

# FT-990

For Service Manuals Contact  
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# Introduction



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This manual provides technical information necessary for servicing the Yaesu FT-990 HF Transceiver. It does not include information on specifications, installation and operation, which are described in the *FT-990 Operating Manual*, provided with each transceiver, or on FT-990 accessories, which are described in manuals provided with each.

Servicing this equipment requires expertise in handling surface mount chip components. Attempts by non-qualified persons to service this equipment may result in permanent damage not covered by warranty.

For the major circuit boards, each side of the board is identified by the type of the majority of components installed on that side. In most cases one side has only chip components, and the

other has either a mixture of both chip and lead components (trimmers, coils, electrolytic capacitors, packaged ICs, etc.), or lead components only.

While we believe the technical information in this manual is correct, Yaesu assumes no liability for damage that may occur as a result of typographical or other errors that may be present. Your cooperation in pointing out any inconsistencies in the technical information would be appreciated.

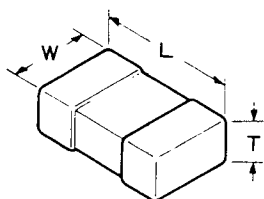
Yaesu Musen reserves the right to make changes in this transceiver and the alignment procedures, in the interest of technological improvement, without notification of the owners.

## Chip Component Information

The diagrams below indicate some of the distinguishing features of common chip components.

### Ceramic Capacitors

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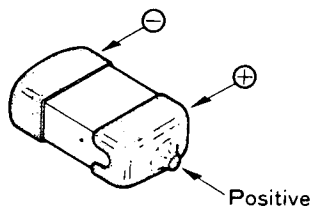


(Unit : mm)

| Type | L   | W    | T         |
|------|-----|------|-----------|
| 3216 | 3.2 | 1.6  | 0.45~0.60 |
| 2125 | 2.0 | 1.25 | 0.35~0.50 |
| 1608 | 1.6 | 0.8  | 0.65~0.95 |

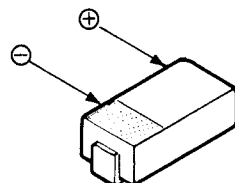
### Tantalum Capacitors

Negative



Positive

Polarized, Unmarked  
(determine value from layout  
and Parts List)

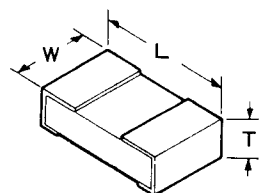


Examples :  
J475 = 6.3V 4.7 $\mu$ F

|   |      |   |     |
|---|------|---|-----|
| G | 4.0V | D | 20V |
| J | 6.3V | E | 25V |
| A | 10V  | V | 35V |
| C | 16V  |   |     |

### Resistors

Type RMC 1/10W, 1/16W  
Marking\* 100, 222, 473.....



(Unit : mm)

| Type | L   | W    | T    |
|------|-----|------|------|
| 1/10 | 2.0 | 1.25 | 0.45 |
| 1/16 | 1.6 | 0.8  | 0.45 |

#### INDICATED LETTERS

1 2 3 4  
5 6 7 8  
9 0 .

| 473      |         |                 |
|----------|---------|-----------------|
| 10' unit | 1' unit | Multiplier code |
| 0        | 0       | 10 <sup>0</sup> |
| 1        | 1       | 10 <sup>1</sup> |
| 2        | 2       | 10 <sup>2</sup> |
| 3        | 3       | 10 <sup>3</sup> |
| 4        | 4       | 10 <sup>4</sup> |
| 5        | 5       | 10 <sup>5</sup> |
| 6        | 6       | 10 <sup>6</sup> |
| 7        | 7       | 10 <sup>7</sup> |
| 8        | 8       | 10 <sup>8</sup> |
| 9        | 9       | 10 <sup>9</sup> |

Examples :

100 = 10 $\Omega$   
222 = 2.2k $\Omega$   
473 = 47k $\Omega$

## Replacing Chip Components

Chip components are installed at the factory by a series of robots. The first one places a spot of adhesive resin at the location where each part is to be installed, and later robots handle and place parts using vacuum suction.

For single-sided boards, solder paste is applied and the board is then baked to harden the resin and flow the solder. For double-sided boards, no solder paste is applied, but the board is baked (or exposed to ultra-violet) to cure the resin before dip soldering.

In our laboratories and service shops, small quantities of chip components are mounted manually by applying a spot of resin, placing with tweezers, and then soldering by very small dual streams of hot air (without physical contact during soldering). We remove parts by first removing solder using a vacuum suction iron, which applies a light, steady vacuum at the iron tip, and then breaking the adhesive with tweezers.

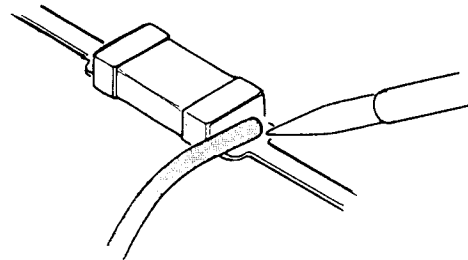
The special vacuum soldering/desoldering equipment is recommended if you expect to do a lot of chip replacements. Otherwise, it is usually possible to remove and replace chip components with only a tapered, temperature-controlled soldering iron, a set of tweezers and braided copper solder wick. Soldering iron temperature should be below 280 °C (536 °F).

## Precautions for Chip Replacement

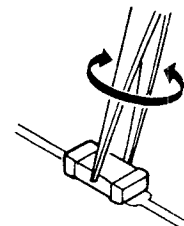
- ✗ Do not disconnect a chip forcefully, or the foil pattern may peel off the board.
- ✗ Never re-use a chip component. Dispose of all removed chip components immediately to avoid mixing with new parts.
- ✗ Limit soldering time to 3 seconds or less to avoid damaging the component and board.

## Removing Chip Components

- ☐ Remove the solder at each joint, one joint at a time, using solder wick whetted with non-acidic flux as shown below. Avoid applying pressure, and do not attempt to remove the tinning from the chip's electrode.



- ☐ Grasp the chip on both sides with tweezers, and gently twist the tweezers back and forth (to break the adhesive bond) while alternately heating each electrode. Be careful to avoid peeling the foil traces from the board. Dispose of the chip when removed.

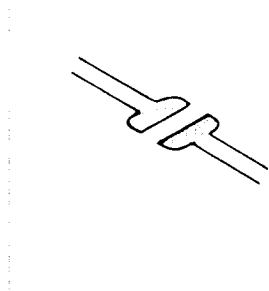


- ☐ After removing the chip, use the copper braid and soldering iron to wick away any excess solder and smooth the land for installation of the replacement part.

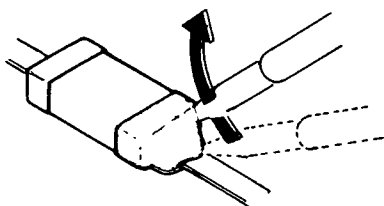
### *Installing a Replacement Chip*

As the value of some chip components is not indicated on the body of the chip, be careful to get the right part for replacement.

- ☐ Apply a small amount of solder to the land on one side where the chip is to be installed. Avoid too much solder, which may cause bridging (shorting to other parts).



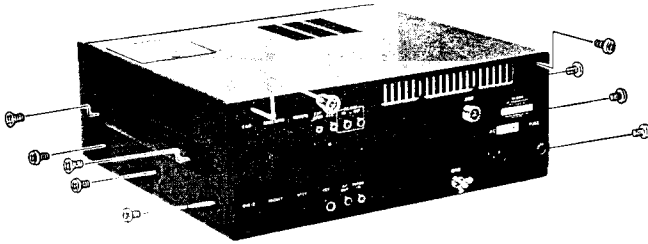
- ☐ Hold the chip with tweezers in the desired position, and apply the soldering iron with a motion line that indicated by the arrow in the diagram below. Do not apply heat for more than 3 seconds.



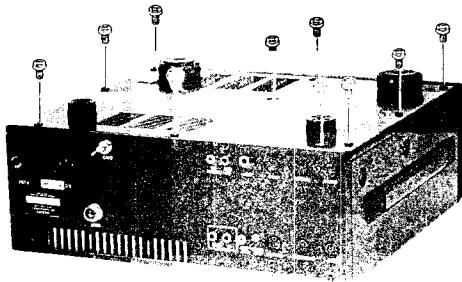
- ☐ Remove the tweezers and solder the electrode on the other side in the manner just described.

# Cover Removal & Board Access

- ❑ To remove the top cover, disconnect all cables, remove the 2 screws affixing the carrying handle, and the 8 screws shown below. Then lift the top cover off.

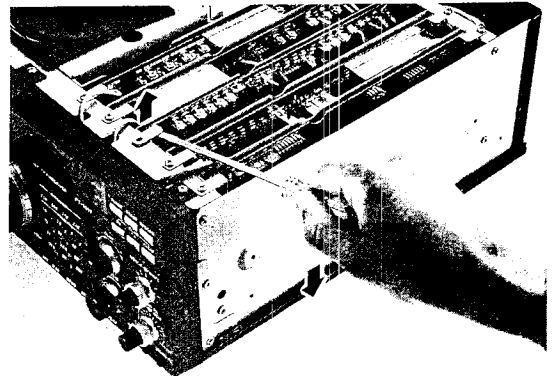


- ❑ To remove the bottom cover, remove the 10 screws shown below.

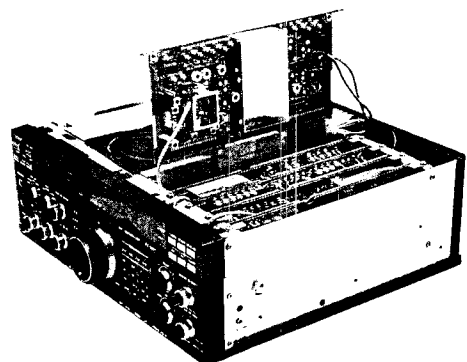
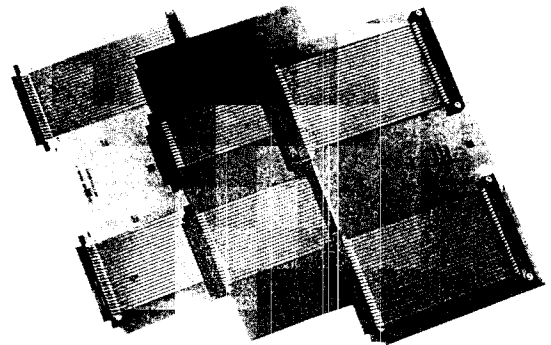


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- ❑ The Cntl, Local, AF, IF and RF Units are accessible with the top cover removed. Remove the access panel label plate, and then the two screws at the front and back edge of the board to be removed (for the Local Unit, coaxial cables at the front and rear edges must first be unplugged). Then alternately pry up on the front and rear mounting tabs.

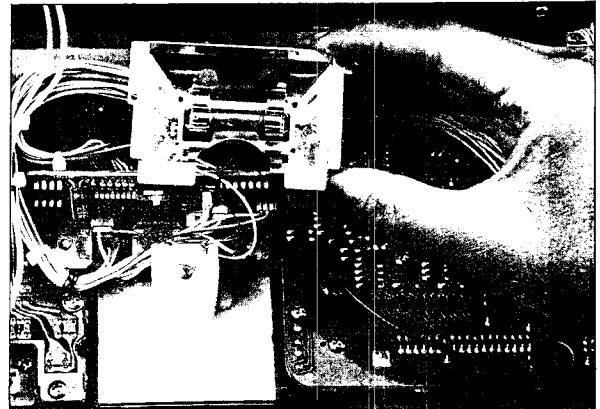
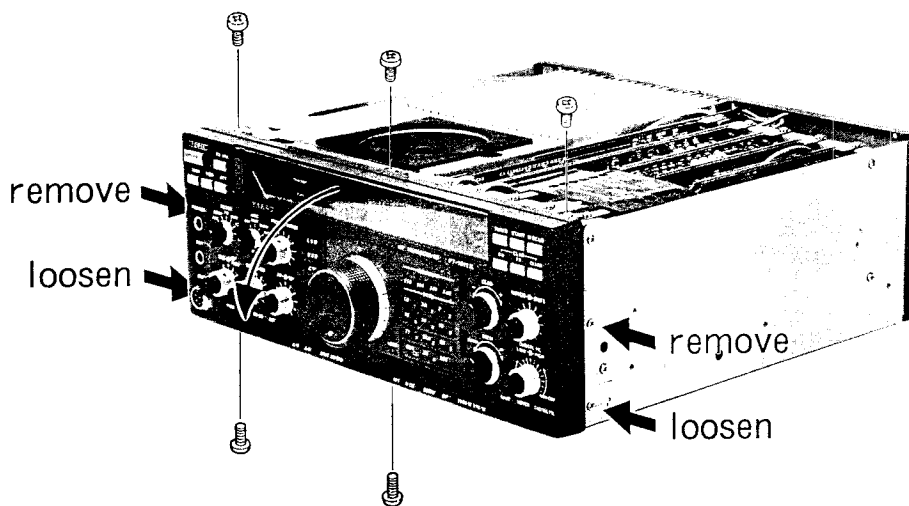


- ❑ Three extender boards are available for adjustments on the plug-in boards: Board #1 is for the RF, IF and Local Units, #2 for the AF Unit, and #3 for the Cntl Unit.



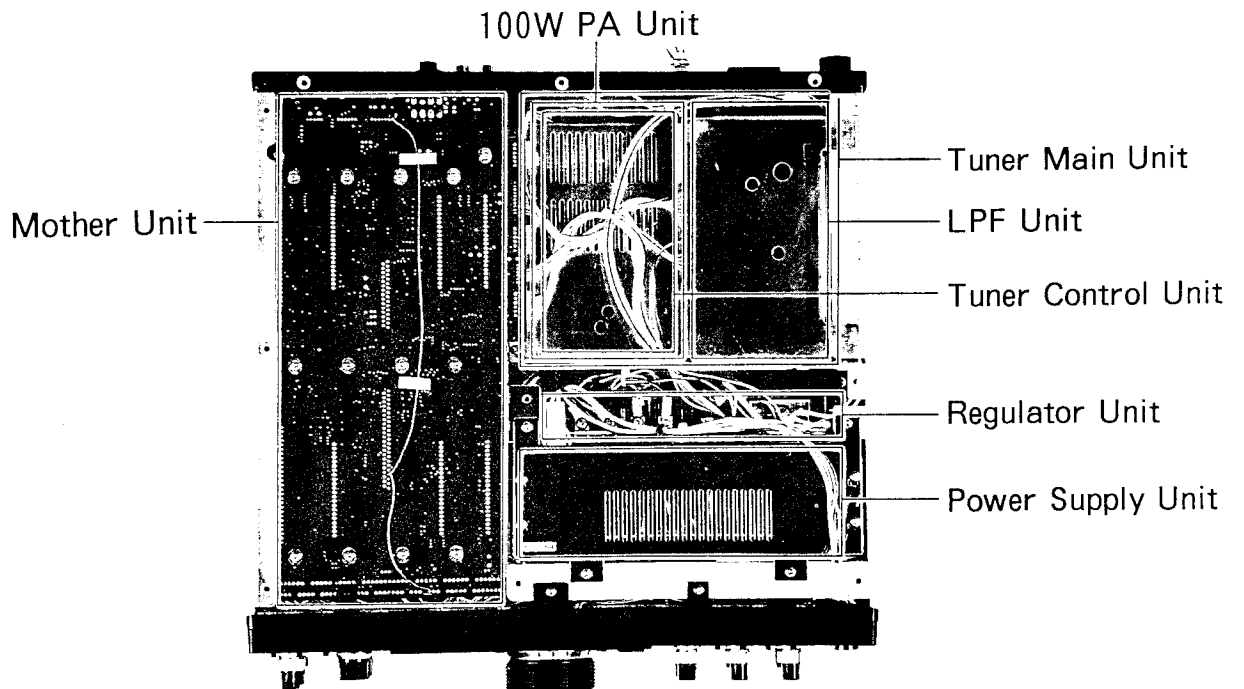
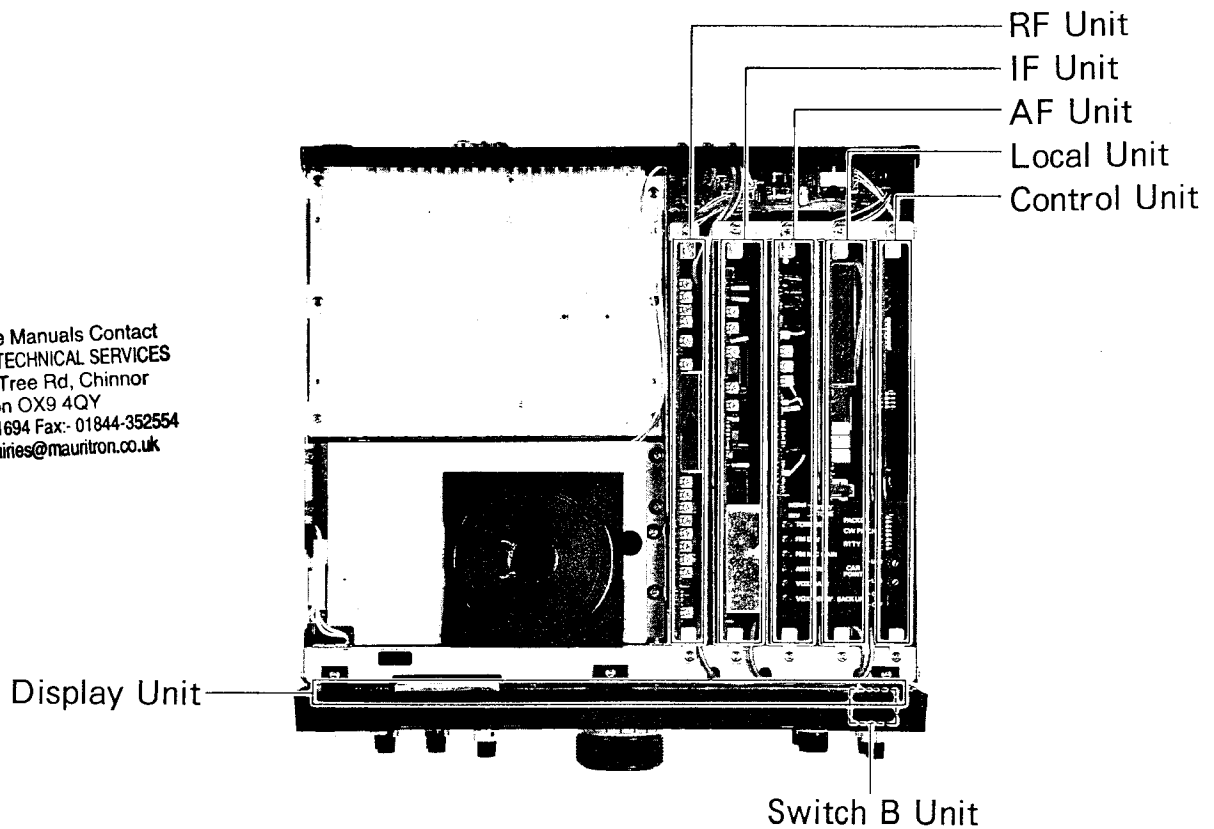
# Pilot Lamp Replacement

- ☐ Disconnect all cables, and remove the top and bottom covers.
- ☐ Remove the 7 screws from the edges of the front panel as indicated below, and loosen the two remaining screws at the lower edge on each side.
- ☐ Fold the front panel forward and down to access the inside.
- ☐ Remove the 2 screws in the lamp reflector, and remove the reflector to access the lamp within.



## Board Locations

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# Alignment

The FT-990 is carefully designed to allow the knowledgeable operator to make nearly all adjustments required for various station conditions, modes and operator preferences simply from the controls on the panels, without opening the case of the transceiver. These adjustments, plus certain internal settings, are described in the *FT-990 Operating Manual*.

The following procedures cover the sometimes critical and tedious adjustments that are not normally required once the transceiver has left the factory. However, if damage occurs and some parts subsequently be replaced, realignment may be required. If a sudden problem occurs during normal operation, it is likely due to component failure; realignment should not be done until after the faulty component has been replaced.

We recommend that servicing be performed only by authorized Yaesu service technicians, experienced with the circuitry and fully equipped for repair and alignment. So if a fault is suspected, you should contact the selling dealer for instructions regarding repair. Authorized Yaesu service technicians have the latest modification information, and realign all circuits and make complete performance checks to ensure compliance with factory specifications after replacing faulty components.

Those who do undertake any of the following alignments are cautioned to proceed at their own risk. Problems caused by unauthorized attempts at realignment are not covered by the warranty policy. Also, Yaesu must reserve the right to change circuits and alignment procedures in the interest of improved performance, without notifying owners.

Under no circumstances should any alignment be attempted unless the normal function and operation of the transceiver are clearly understood, the cause of the malfunction has been clearly pinpointed and any faulty components replaced, and the need for realignment determined to be absolutely necessary.

The following test equipment (and thorough familiarity with its correct use) is necessary for complete realignment. Correction of problems caused by misalignment resulting

from use of improper test equipment is not covered under the warranty policy. While most steps do not require all of the equipment listed, the interactions of some adjustments may require that more complex adjustments be performed afterwards. Do not attempt to perform only a single step unless it is clearly isolated electrically from all other steps. Rather, have all test equipment ready before beginning, and follow all of the steps in a section in the order they are presented.

- ☐ Digital DC Voltmeter (high-Z, >1 M $\Omega$ /V)
- ☐ DC Ammeter
- ☐ RF Millivoltmeter
- ☐ AF Millivoltmeter
- ☐ RF Standard Signal Generator w/calibrated output and dB scale, 0 dB = 0.5  $\mu$ V
- ☐ AF Signal Generator with calibrated output
- ☐ Spectrum Analyzer or receiver (30 MHz)
- ☐ Oscilloscope
- ☐ Frequency Counter
- ☐ 50- $\Omega$  Dummy Load (150 watts)
- ☐ 16.6- $\Omega$  Dummy Load (>150 W)
- ☐ In-Line Wattmeter (25 ~ 150 W, 50- $\Omega$ )
- ☐ Linear Detector
- ☐ RF Attenuator (>150-W, 40-dB) or RF coupler
- ☐ Extender Board Set (part no. A03850001)

## Alignment Preparation & Precautions

A 50- $\Omega$  dummy load and inline wattmeter must be connected to the antenna jack in all procedures that call for transmission, except where specified otherwise. Correct alignment is not possible with an antenna.

Except where specified otherwise, the transceiver should be tuned to 14.2 MHz, USB mode, and these controls set as indicated:

- ☐ **MOX & VOX** buttons OFF (■)
- ☐ **AGC** to FAST
- ☐ **ATT** to OFF
- ☐ **MIC & RF PWR** fully ccw (minimum)
- ☐ **PROC** fully ccw (minimum)



- ☐ SQL fully ccw, NB 12-o'clock
- ☐ AF as required, RF fully cw (maximum)
- ☐ NOTCH & SHIFT to 12-o'clock

After completing one step, read the following step to determine whether the same test equipment will be required. If not, remove the test equipment (except dummy load and wattmeter, if connected) before proceeding.

Correct alignment requires that the ambient temperature be the same as that of the transceiver and test equipment, and that this temperature be held constant between 20 and 30 °C (68 ~ 86 °F). If the transceiver is brought into the shop from hot or cold air it should be allowed some time for thermal equalization with the environment before alignment.

Alignments must only be made with oscillator shields and circuit boards firmly affixed in place. Only one extender board should be installed at a time for access to the board being aligned. Also, the test equipment must be thoroughly warmed up before beginning.

*Note: Signal levels in dB referred to in alignment are based on 0 dBμ = 0.5 μV.*

*Table note: DC voltages should be within ± 10% of those listed in the voltage tables.*

## Local Unit (requires Extender Board #1)

### 3rd Local BPF

Connect the RF millivoltmeter to pin 1 of J4003 on the Local Unit (see photo on next page), and adjust T4011 and T4012 for peak (>70 mV<sub>rms</sub>).

### Reference Frequency

Connect the frequency counter to pin 1 of J4003. Adjust the TCXO-2 trimmer (if installed) or TC4001, for 10.48576 MHz ± 5 Hz.

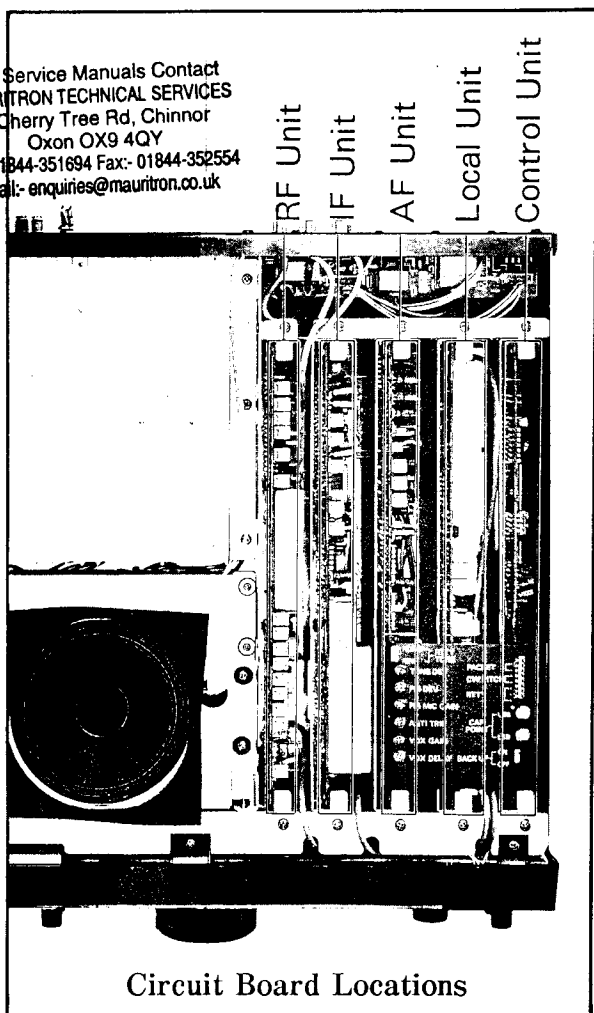
### 36.269-MHz 2nd Local Buffer

- ☐ Connect the RF millivoltmeter to TP4003.
- ☐ Preadjust T4017 for maximum on the meter (at least 1 V<sub>rms</sub>).
- ☐ Remove the coaxial plug from J4004 and connect a 50-Ω resistor across the socket. Connect the RF millivoltmeter across the resistor, and adjust T4018 and T4019 for maximum on the meter (> 0.3 V<sub>rms</sub>).
- ☐ Now adjust T4017 for 224 mV<sub>rms</sub> (0 dBm) ± 10 mV<sub>rms</sub> on the meter.
- ☐ Connect the frequency counter to J4004 and confirm 36.269 MHz ± 600 Hz.
- ☐ Replace the plug in J4004.

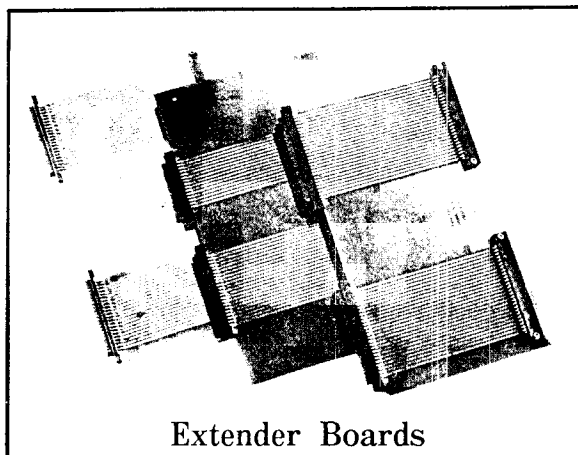
### 41.84-MHz PLL Local BPF

- ☐ Tune to 14.030 MHz, USB mode.

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Circuit Board Locations



Extender Boards

- Connect the RF millivoltmeter to TP4002 and adjust T4013 ~ T4016 for peak. Final voltage should be at least 60 mV<sub>rms</sub>.

## PLL VCV (Varactor Control Voltage)

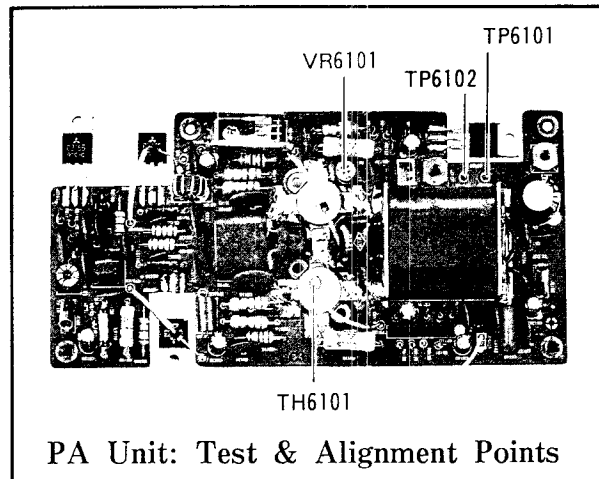
With the USB mode selected, connect the DC voltmeter to TP4001. Tune the display to each adjustment frequency in the following table and adjust the corresponding coil for  $8.0 \pm 0.1$  V on the meter. Then retune to the check frequency and confirm 1.4 ~ 2 V. Repeat at each listed frequency.

| Adj. Freq. (VCO#) | Adjust for 8 V<br>@TP4001 | Check Freq.<br>(for 1.4 ~ 2 V) |
|-------------------|---------------------------|--------------------------------|
| 3.999 MHz (VCO1)  | T4005                     | 0.100 MHz                      |
| 7.499 MHz (VCO2)  | T4004                     | 4.000 MHz                      |
| 14.499 MHz (VCO3) | T4003                     | 7.500 MHz                      |
| 21.499 MHz (VCO4) | T4002                     | 14.500 MHz                     |
| 29.999 MHz (VCO5) | T4001                     | 21.500 MHz                     |

## PA Unit (RF Power Amplifier)

### Final Idling Current

Temporarily disconnect the jumper between TP6101 and TP6102, and connect the ammeter in its place. Key the transmitter in an SSB mode, and with no microphone input, adjust VR6101 for  $200 \pm 50$  mA. Then reinstall the jumper.



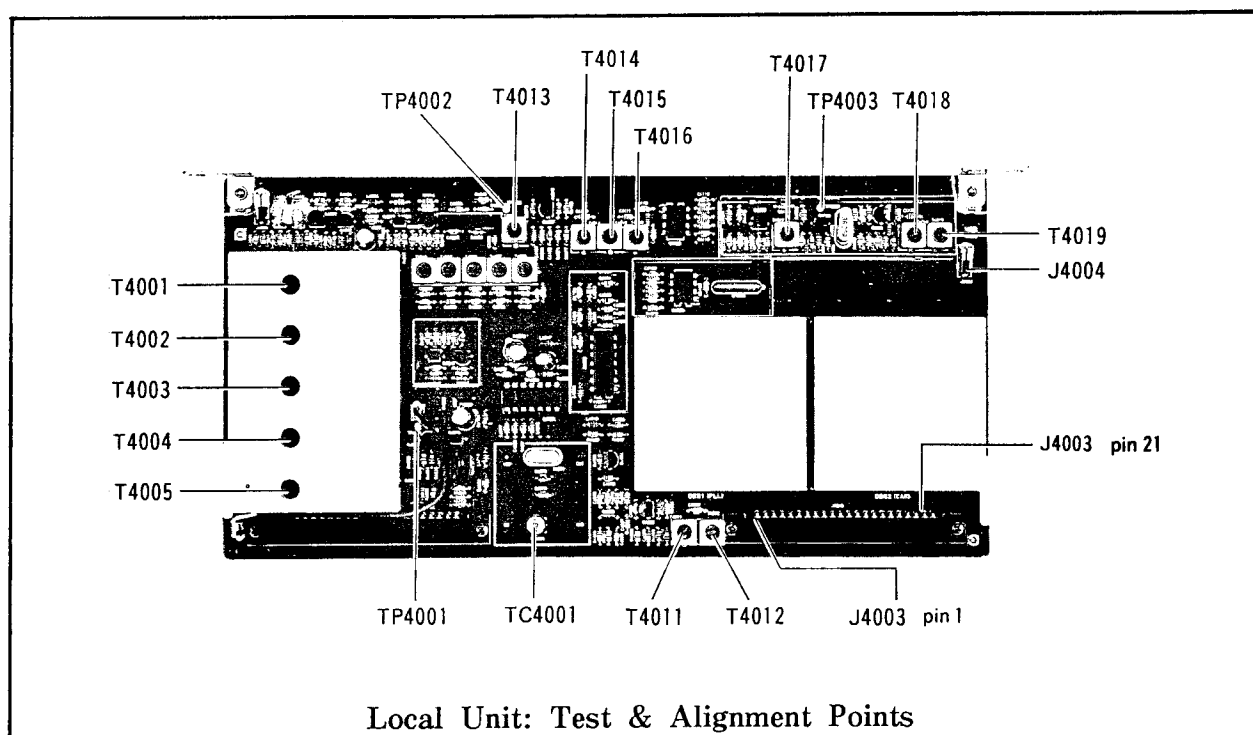
## LPF Unit

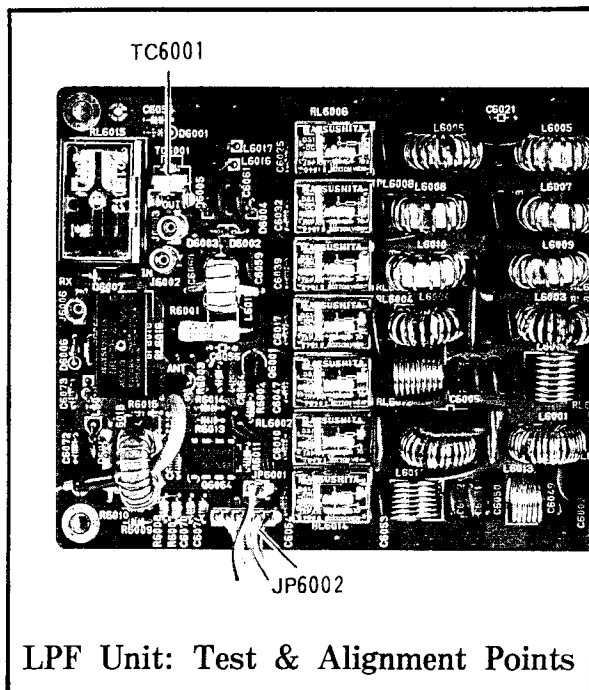
### CM Coupler Balance

With the 50-Ω dummy load connected to the **ANT** jack, tune the transceiver to 14.2 MHz, and select the CW mode. Connect the DC voltmeter between pins 1 (–) and 3 (+) of JP6002 (see photo next page), key the transmitter and adjust TC6001 for *minimum* on the voltmeter.

## Tuner Unit

On the front panel, set the **METER** selector to **SWR**, and the **DRIVE** and **RF PWR** controls fully clockwise (maximum).





LPF Unit: Test & Alignment Points

## Tuning Capacitor/Motor (Mechanical Check, Setting & Adjustment)

- ☐ Loosen all setscrews in the shaft coupler, and turn the coupler by hand to confirm it moves freely (the motor and capacitor should not move). If the coupler binds, check the motor mounting position (it is soldered in place) and the capacitor mounting (screws).
- ☐ Turn the power switch off, and jump TP-6501 to chassis ground.
- ☐ Turn the power switch on — the motor should rotate, and then stop.

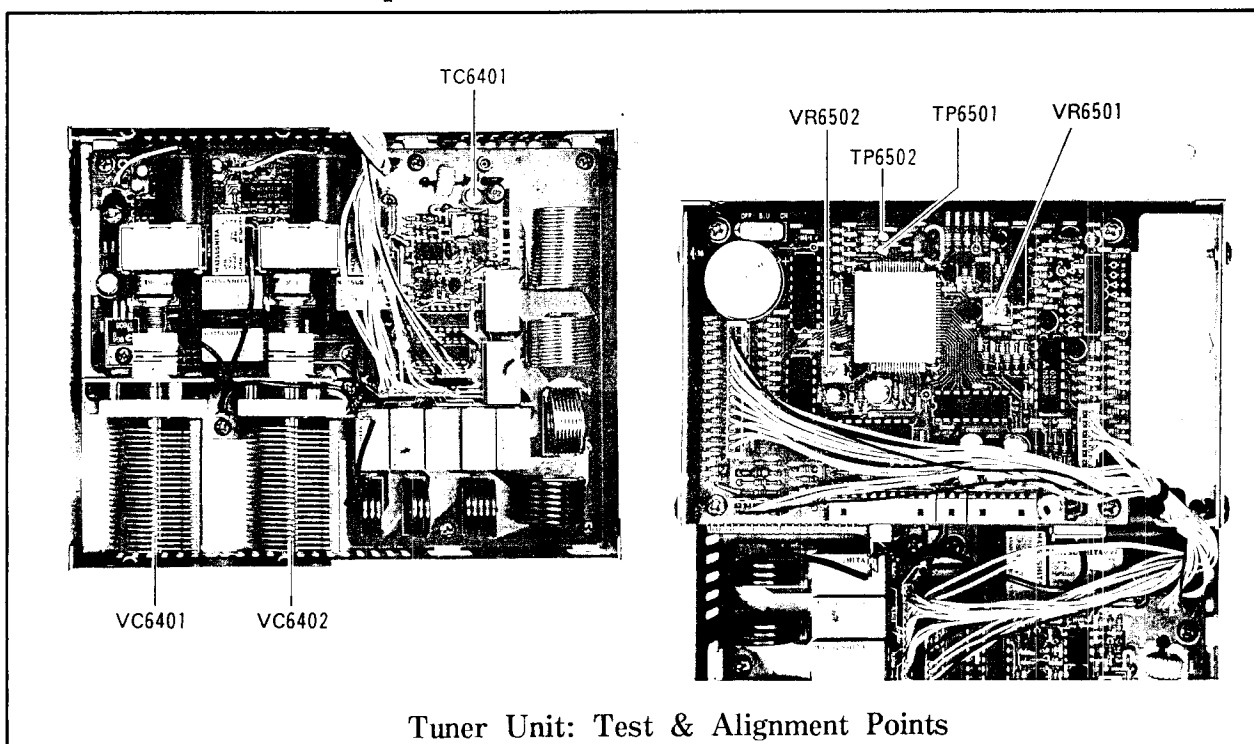
- ☐ Set the capacitor to its maximum capacitance position (plates fully meshed) by hand, and tighten all shaft coupler setscrews, using care not to disturb the capacitor or motor positions.
- ☐ Turn the power off, and jumper TP6502 to chassis ground (along with TP6501).
- ☐ Turn the power back on. The motor should move 180°, and the capacitor should be then at minimum capacitance (fully unmeshed).
- ☐ Remove the grounding jumpers from TP6501 and TP6502.

## SWR Meter Calibration

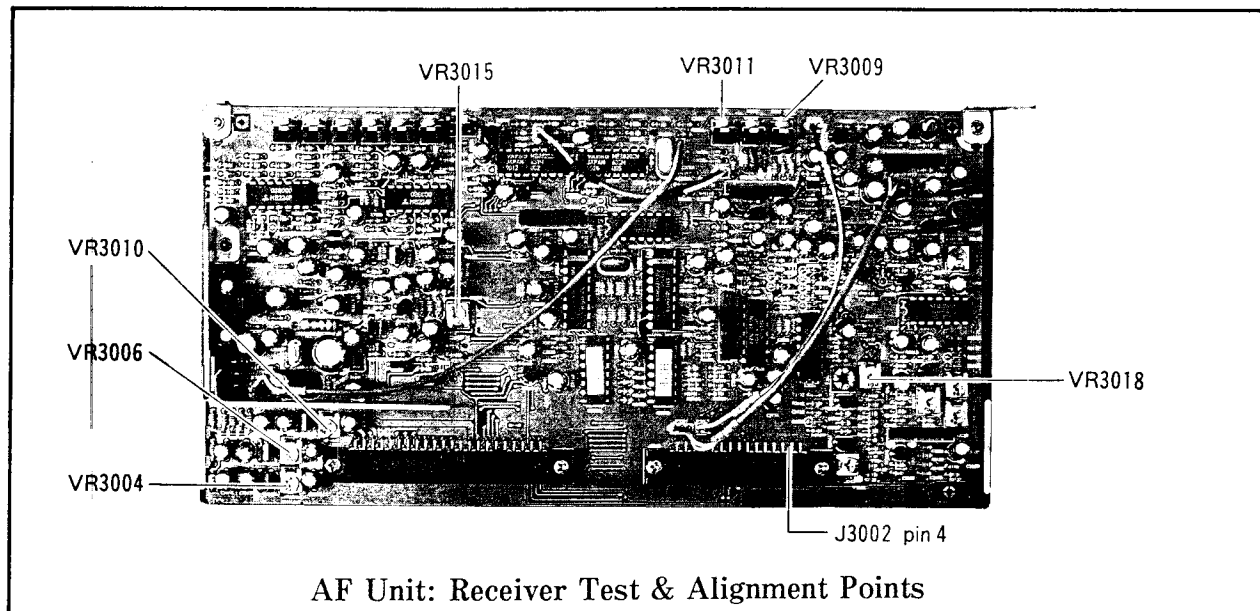
With the **METER** selector set to **SWR**, the antenna tuner *off*, and no connection to the **ANT** jack, tune the transceiver to 1.84 MHz, CW mode. Press the **MOX** button and adjust VR6501 for full scale meter deflection.

## Tuner Impedance

- ☐ Connect the 50-Ω dummy load and wattmeter to the **ANT** jack, tune the transceiver to 3.75 MHz, CW mode.
- ☐ Press the **START** button and confirm that the **TUNER** and **WAIT** LEDs come on, the transmitter is activated, and the **HI SWR** LED *does not* come on. Then press the **MOX** button and confirm that the S-meter shows an SWR of 1.1 or better. If not, adjust TC6401 (on the



Tuner Unit: Test & Alignment Points



Tuner Main Unit) so that it does, and press **START** again.

## High SWR Sensing

- ☐ Connect the 16.6-Ω dummy load to the **ANT** jack and tune the transceiver to 1.84 MHz, CW mode, with the **TUNER** switch off.
- ☐ Press the **MOX** button and adjust VR6502 so that the **HI SWR** LED just comes on.

## Default Beeper & Sidetone Levels

- ☐ The default Key Beeper level is the 10-o'clock position of VR3011 (AF Unit, top edge).
- ☐ The default sidetone level is set by connecting an AF millivoltmeter across an 8-Ω load to the **EXT SP** jack, and adjusting VR3009

(AF Unit, top edge) for 200 mV ( $\pm 10$  mV) with the **SPOT** button pressed.

## IF Unit (requires Extender Board #1)

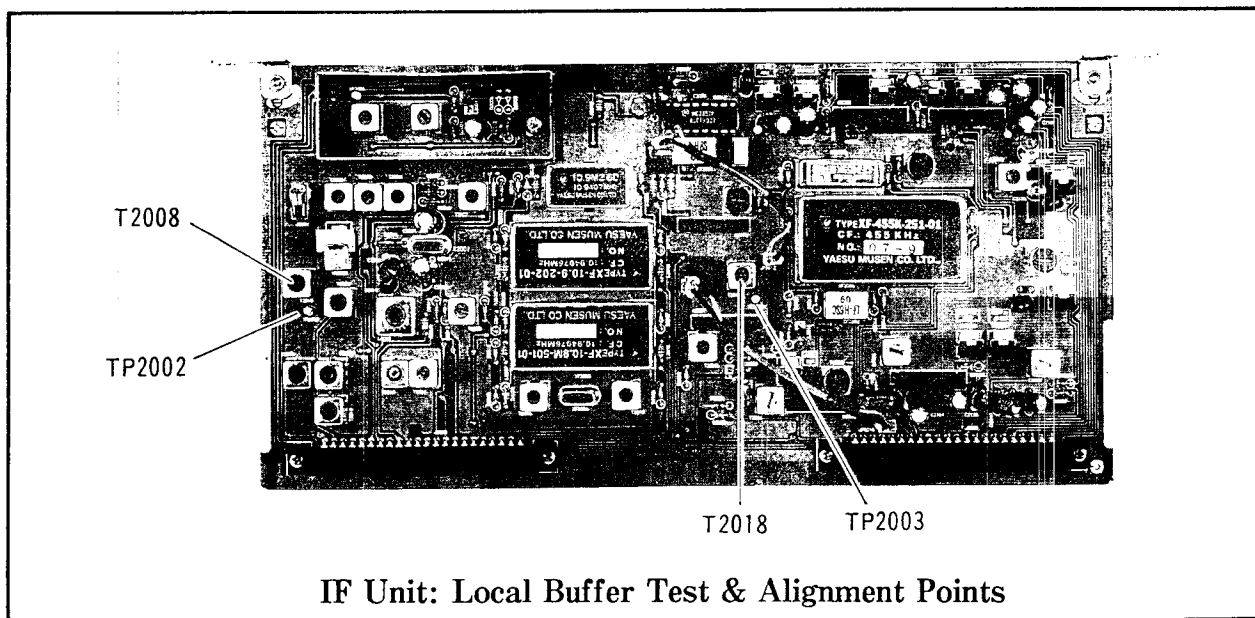
### 2nd Local Buffer Level

Connect the RF millivoltmeter to TP2002 and adjust T2008 for peak (at least 250 mV<sub>rms</sub>).

### 3rd Local Buffer Level

Connect the RF millivoltmeter to TP2003 and adjust T2018 for peak (at least 80 mV<sub>rms</sub>).

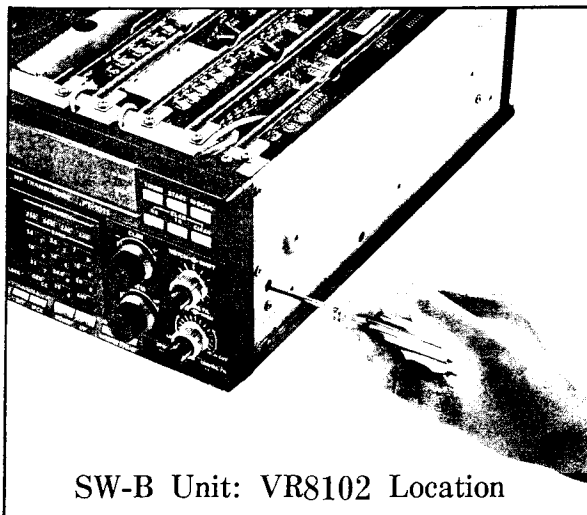
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## Receiver Circuits

### IF Shift Zero Set (on SW-B Unit)

- ☐ Connect the frequency counter to pin 21 of Local Unit board connector J4003. Tune to 14.200 MHz, USB mode, and set the **MIC** gain and **RF PWR** to minimum (ccw). Set the **SHIFT** control to precisely 12 o'clock.
- ☐ Adjust VR8102 while both receiving and transmitting, so that the counter shows the same frequency (within  $\pm 20$  Hz).



SW-B Unit: VR8102 Location

### SSB Carrier Balance (AF Unit on Ext. Bd. #2)

Connect the RF millivoltmeter to pin 4 of board connector J3002 on the AF Unit, and adjust VR3018 for minimum voltage.

### S-Meter Zero Set

Adjust VR2005 on the top edge of the IF Unit to just below the S-meter threshold.

IF Interstage Transformers (RF, then IF Unit on Ext. Bd. #1)

- ☐ Inject 20 dB $\mu$  at 14.200 MHz from the RF signal generator to the **ANT** jack.
- ☐ Put the RF Unit on the Extender and adjust T1005, T1010, T1011 and T1013 on the RF Unit, several times, for peak on the S-meter.
- ☐ Move the Extender to the IF Unit, and adjust T2003 ~ T2007, T2017, T2021, T2022 and T2023, several times for S-meter peak.

### AM Wide Filter Matching (IF Unit on Ext. Bd. #1)

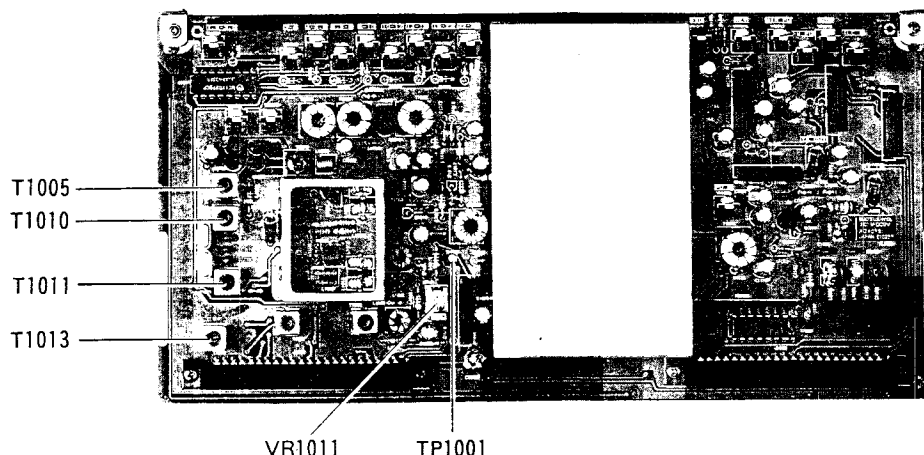
With the same setup as in the last step, select the AM mode and adjust T2015 and T2016 on the IF Unit for peak S-meter deflection.

### IF Notch Depth (IF Unit on Ext. Bd. #1)

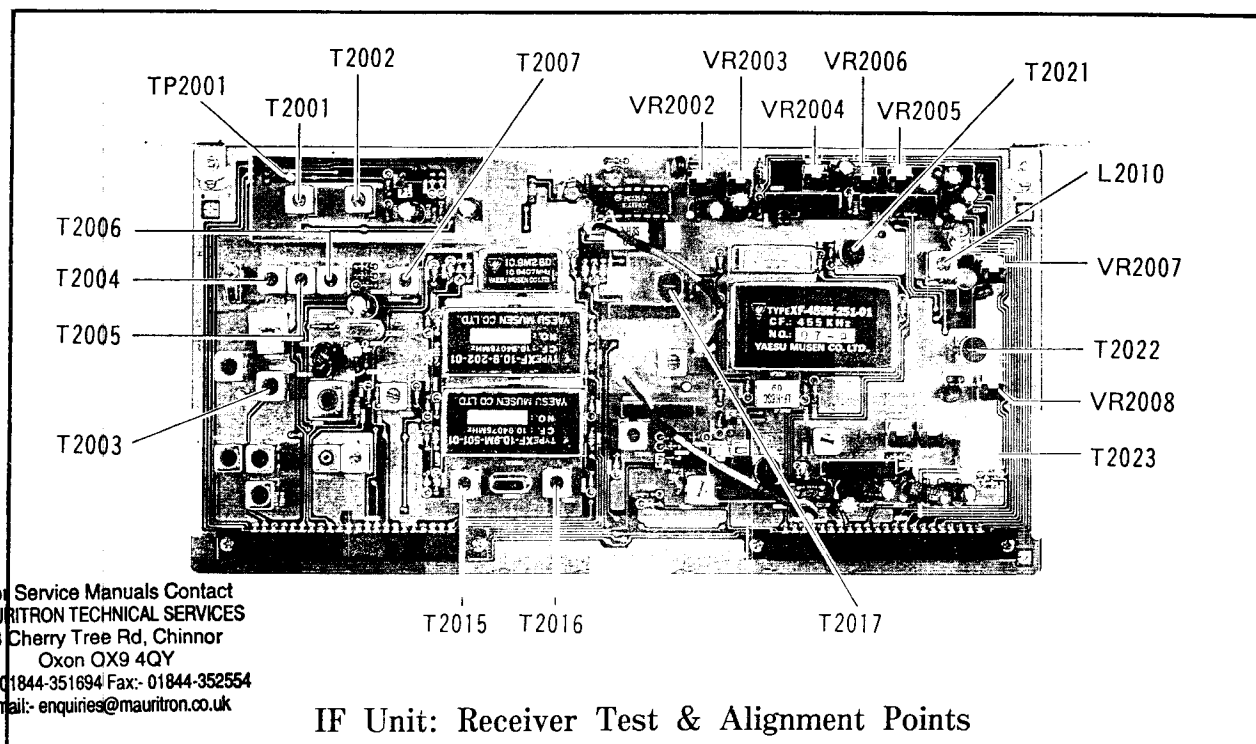
- ☐ Inject 40 dB $\mu$  at 14.200 MHz from the RF signal generator to the **ANT** jack. Select USB mode and tune to 14.20150 MHz (so a 1500-Hz heterodyne is heard).
- ☐ Press the **NOTCH** button and, with the **NOTCH** control centered, adjust L2010 and VR2007 alternately several times for minimum S-meter deflection.

### IF Gain (IF Unit on Ext. Bd. #1)

Inject 6 dB $\mu$  at 14.200 MHz from the RF signal generator to the **ANT** jack, and adjust VR2008 on the IF Unit for S-1 deflection.



RF Unit: Receiver Test & Alignment Points



**RF AGC, & S-Meter Calibration** (RF Unit on Ext. Bd. #1)

- ☐ Connect the DC voltmeter to TP1001 on the RF Unit.
- ☐ Inject 100 dBμ at 14.200 MHz from the RF signal generator to the **ANT** jack, and adjust VR1011 on the RF Unit for  $5.5 \pm 0.1$ -V DC.
- ☐ Adjust VR2006 on the top edge of the IF Unit for S-9 + 60-dB on the S-meter.

**Noise Blanker** (IF Unit on Ext. Bd. #1)

- ☐ With the transceiver tuned to 14.2 MHz, press the **NB** button. Inject 20 dBμ at 14.2 MHz to the **ANT** jack, and connect the DC voltmeter to TP2001 on the IF Unit.
- ☐ Adjust T2001 and T2002 on the IF Unit for minimum voltage on the meter.

**FM Detector Output Level**

- ☐ Connect the AF millivoltmeter across an 8-Ω load to the **EXT SP** jack, and inject 40 dBμ at 14.200 MHz, without modulation, from the RF signal generator to the **ANT** jack.
- ☐ Select the USB mode, and tune the transceiver for a 1-kHz heterodyne. Note the millivoltmeter reading.
- ☐ Now switch to FM mode and modulate the signal generator output with  $\pm 1.765$ -kHz

deviation of a 1-kHz tone (without changing the level).

- ☐ Adjust VR2003 on the top edge of the IF Unit for the same level on the millivoltmeter noted in the USB mode (within  $\pm 1$  dB).

**SSB Squelch Threshold**

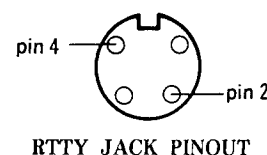
In the USB mode, with no signal at the **ANT** jack, set the **SQL** control to the 11-o'clock position, and adjust VR2004 (IF Unit, top edge) so that the squelch just closes.

**FM Squelch Threshold**

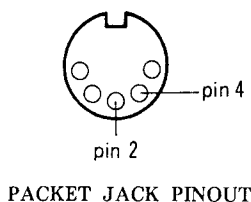
In the FM mode, with no signal at the **ANT** jack, set the **SQL** control to the 10-o'clock position, and adjust VR2002 (IF Unit, top edge) so that the squelch just closes.

**RTTY & PKT Jack Receiver AF Out Levels** (AF Unit on Ext. Bd. #2)

- ☐ In the RTTY mode, inject 40 dBμ at 14.2 MHz to the **ANT** jack, and tune the transceiver for a 2000-Hz heterodyne.
- ☐ Connect a 600-Ω resistor in parallel with the AF millivoltmeter between pins 2 and 4 of the rear panel **RTTY** jack, and adjust VR3004 on the AF Unit for  $60 \pm 10$  mV<sub>rms</sub>.

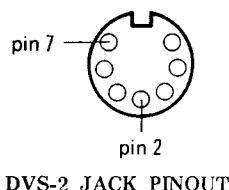


- Now select the PKT-LSB mode, move the AF millivoltmeter and resistor to pins 2 and 4 of the **PKT** jack, and adjust VR-3006 on the AF Unit for  $60 \pm 10$  mV<sub>rms</sub> on the meter.



## AF OUT & DVS-2 Jack Receiver AF Out Levels (AF Unit on Ext. Bd. #2)

- In the USB mode, inject 40 dBu at 14.2 MHz to the **ANT** jack, and tune the transceiver for a 1000-Hz heterodyne.
- Connect a 600-Ω resistor in parallel with the AF millivoltmeter across the rear panel **AF OUT** jack, and adjust VR3010 on the AF Unit for  $100 \pm 10$  mV<sub>rms</sub> on the meter.
- Now move the RF millivoltmeter and resistor to pins 2 and 7 of the **DVS-2** jack, and adjust VR3015 on the AF Unit for  $2.5 \pm 0.2$  mV<sub>rms</sub> on the meter.



## Transmitter

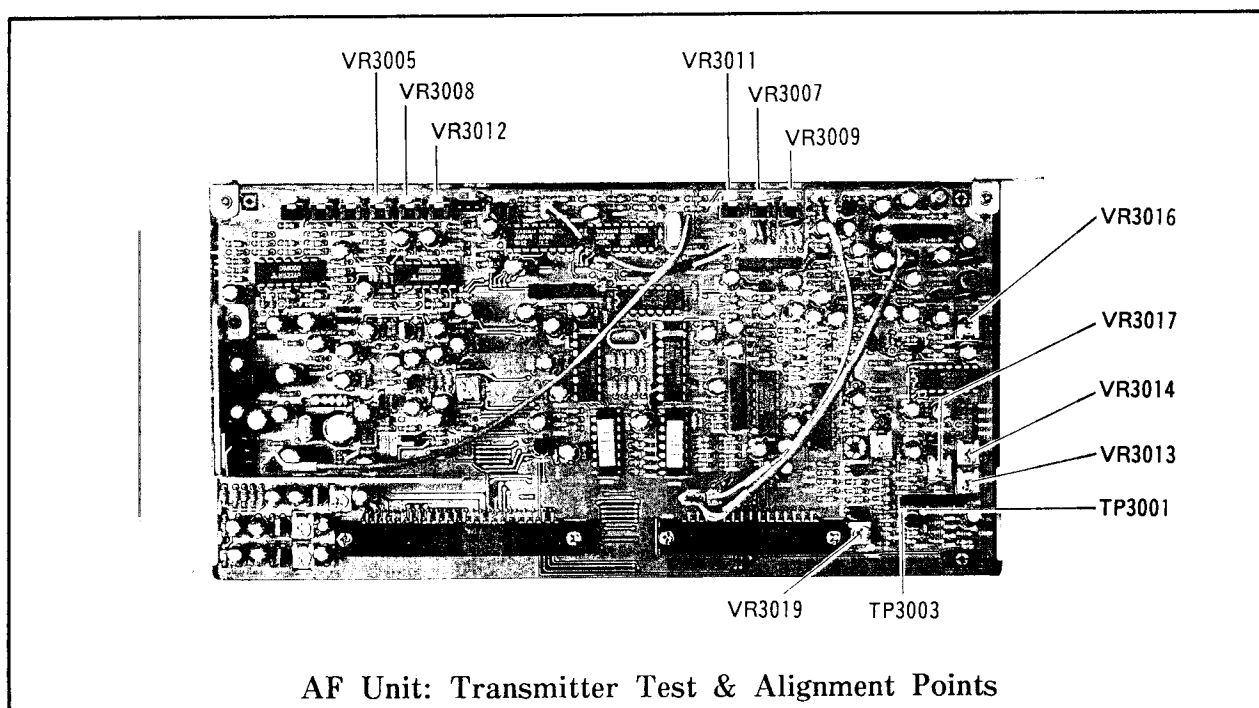
Connect the 50-Ω dummy load to the **ANT** jack for all procedures.

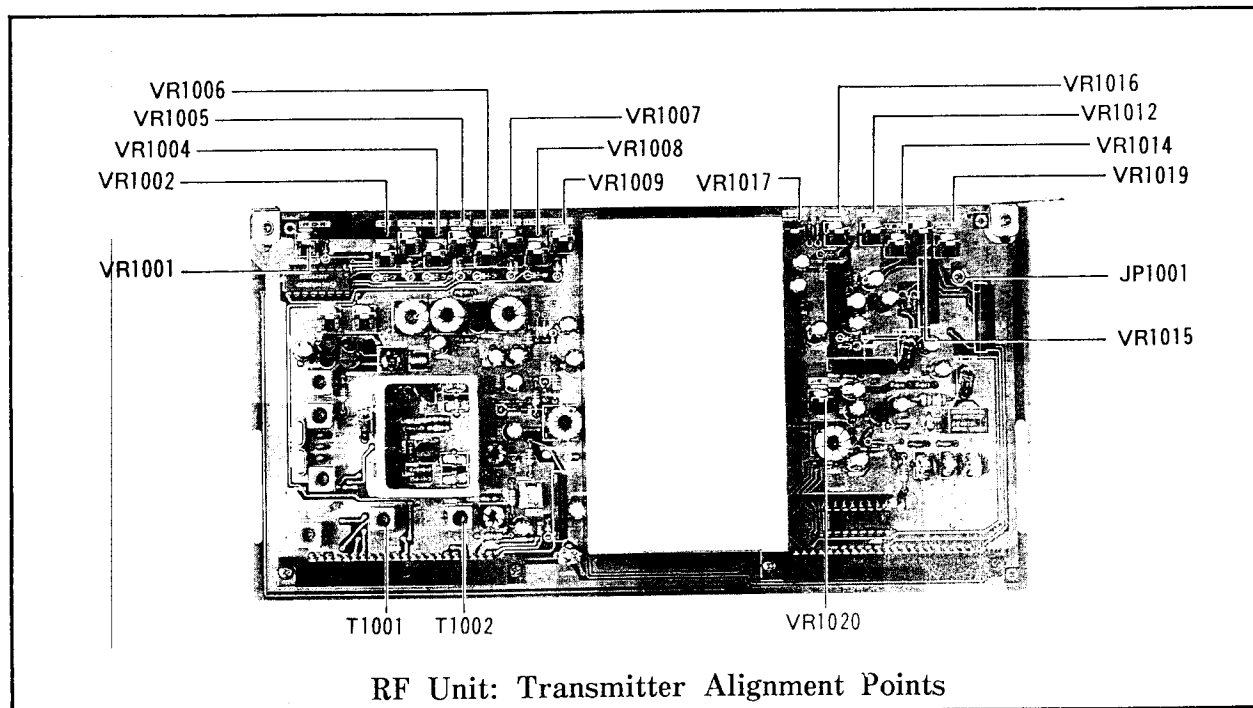
### Carrier Level (AF Unit on Ext. Bd. #2)

Tune to 12.200 MHz, USB mode. Connect the RF millivoltmeter to TP3003 on the AF Unit, then key the transmitter and adjust VR3019 on the AF Unit for  $110 \pm 5$  mV<sub>rms</sub>.

### Transmitter IF Interstage Transformers (RF, then IF Unit on Ext. Bd. #1)

- With the inline wattmeter and 50-Ω dummy load connected to the **ANT** jack, set the **RF PWR** control fully ccw (minimum), and select the ALC meter function.
- Put the RF Unit on the Extender and, in the CW mode, key the transmitter and adjust T1001 and T1002, several times, for peak on the wattmeter (or ALC scale). If the ALC meter deflection is nil or full scale (and a wattmeter is not available), adjust VR1007 for midscale deflection.
- Move the Extender to the IF Unit, key the transmitter, and adjust T2010 ~ T2014, T2019 and T2020 (see photos next page) for peak on the wattmeter (or ALC scale). If ALC deflection is insufficient, connect the RF millivoltmeter to pin 11 of IF Unit board connector J2002 to adjust the IF Unit transformers.





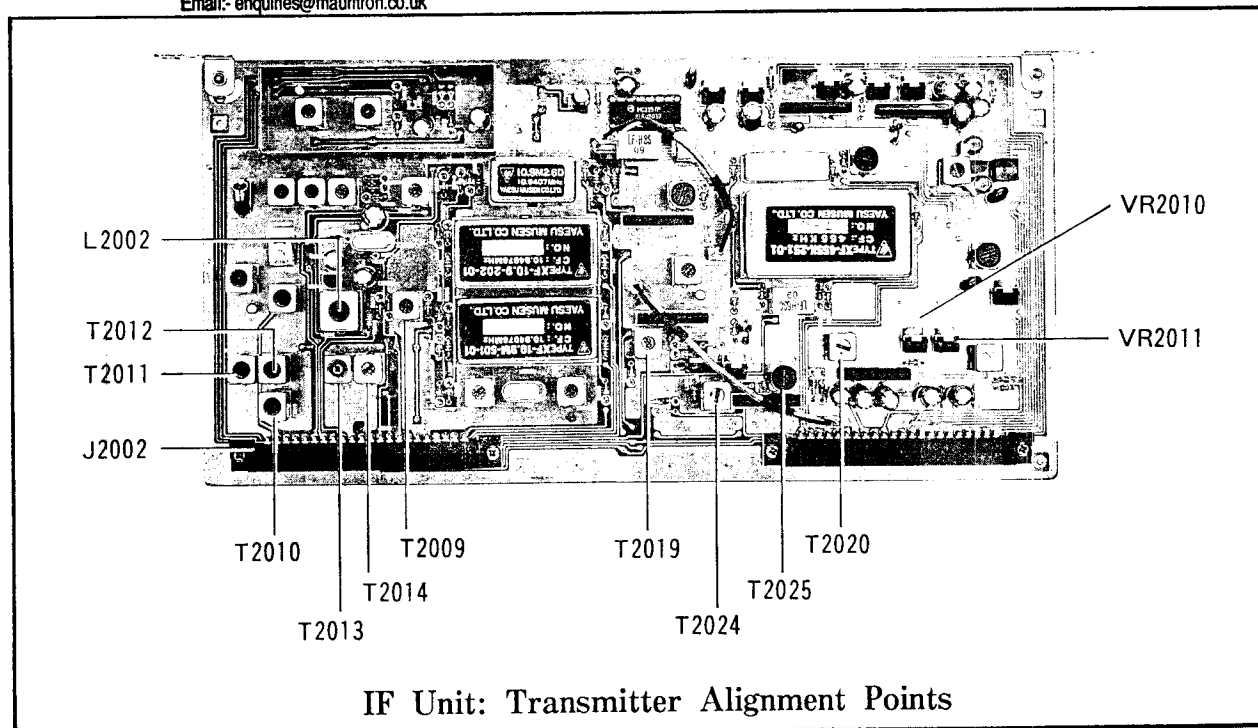
## IC Meter Zero Set

- ☐ With the transceiver tuned to 14.0 MHz, USB mode, set the **MIC** control fully ccw (minimum), and set the **METER** selector to the **IC** position.
- ☐ Key the transmitter and adjust VR9003 on the Regulator Unit (see photo next page) so the meter deflects to S-1 to S-2 (on the S-meter scale).

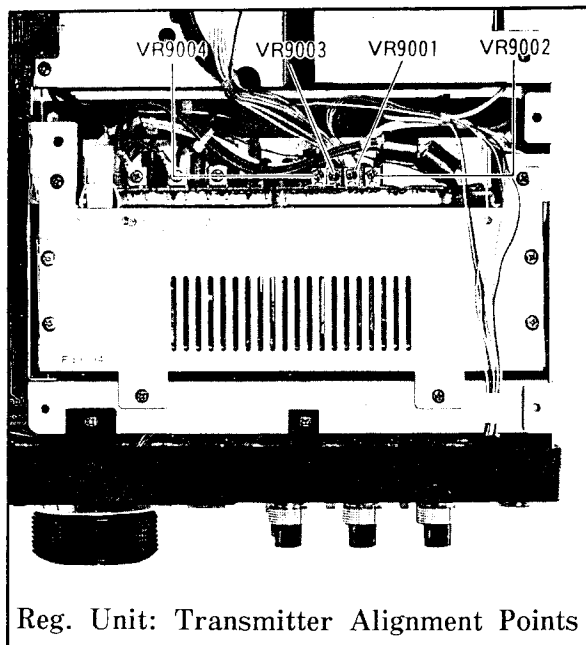
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## Overcurrent ALC

- ☐ With the inline wattmeter and 50-Ω dummy load connected to the **ANT** jack, preset VR-1017 on the top edge of the RF Unit fully ccw, and VR9004 on the Regulator Unit fully clockwise. Also set the **RF PWR** control fully clockwise, and tune the transceiver to 14.200 MHz, CW mode.
- ☐ Key the transmitter and adjust VR9004 for 130 watts on the wattmeter. Perform the following procedure to realign VR1017.







Reg. Unit: Transmitter Alignment Points

## Forward ALC (Max RF Output)

Perform the previous procedure, and with the same setup, key the transmitter and adjust VR1017 on the top edge of the RF Unit for 100 to 110 watts on the wattmeter. Confirm that the ALC meter deflects.

## AM Peak Output (AF Unit on Ext. Bd. #2)

With the transceiver tuned to 14.2 MHz, AM mode, and the wattmeter and 50-Ω dummy load connected to the **ANT** jack, set the **RF PWR** control fully clockwise. Key the transmitter and adjust VR1014 on the top edge of the RF Unit for  $27 \pm 1$  watts output. If the ALC function of the meter does not deflect, adjust VR3013 on the AF Unit so that it does.

## Reverse ALC (SWR Turndown)

Connect the inline wattmeter and a 16.6-Ω dummy load (or three 50-Ωs in parallel) to the **ANT** jack, and set the **RF PWR** control fully clockwise (maximum). With the transceiver set to the CW mode on 14.200 MHz, key the transmitter and adjust VR1016 (RF Unit, top edge) for 50 watts on the wattmeter.

## Transmitter IF Gain I (14 MHz) (AF Unit on Ext. Bd. #2)

- ☐ Inject 3 mV of a 1-kHz audio tone from the AF generator to pin 8 of the **MIC** jack, and connect the AF millivoltmeter to TP3001 on the AF Unit.

- ☐ With the transceiver tuned to 14.2 MHz, USB mode, and the 50-Ω dummy load connected to the **ANT** jack, set the **RF PWR** control fully clockwise, and select the ALC meter function.
- ☐ Key the transmitter and adjust the **MIC** gain control for 30 mV at TP3001, then adjust VR1007 on the top edge of the RF Unit so that the ALC meter just begins to deflect.

## ALC Meter Calibration

- ☐ With the transceiver tuned to 14.2 MHz, USB mode, set the **METER** selector to **ALC**, and inject 30 mV at 1 kHz to pin 8 of the **MIC** jack with the AF signal generator.
- ☐ Key the transmitter and adjust VR1019 on the top edge of the RF Unit so that the ALC meter deflects to the top edge of the ALC zone (S-9 on the S-meter scale).

## PO Meter Calibration (RF Unit on Ext. Bd. #1)

With the inline wattmeter and 50-Ω dummy load connected to the **ANT** jack, and the transceiver tuned to 14.2 MHz, CW mode, set the **METER** selector to the **PO** position. Key the transmitter and adjust VR1020 on the RF Unit so that the PO meter indication matches the wattmeter with 100 watts output.

## SSB Modulator Balance (AF Unit on Ext. Bd. #2)

With the transceiver tuned to 14.2 MHz, USB mode, connect the 50-dB attenuator and spectrum analyzer (or 50-Ω dummy load and sampling coupler) to the **ANT** jack. Alternatively, a separate receiver can be used, with the transceiver connected to the dummy load. Set the **MIC** control fully ccw (minimum), and adjust VR3017 on the AF Unit for minimum power output (carrier leakage) as indicated on the analyzer or external receiver.

## CW Carrier Level (AF Unit on Ext. Bd. #2)

With the transceiver tuned to 14.2 MHz, CW mode, and the wattmeter and 50-Ω dummy load connected to the **ANT** jack, set the **RF PWR** control fully clockwise, and select the ALC meter function. Key the transmitter

and adjust VR3014 on the AF Unit for maximum deflection on the meter.

### AM Carrier Level (AF Unit on Ext. Bd. #2)

With the transceiver tuned to 14.2 MHz, AM mode, and the wattmeter and 50-Ω dummy load connected to the **ANT** jack, set the **RF PWR** control fully clockwise, and select the ALC meter function. Key the transmitter and adjust VR3013 on the AF Unit for maximum deflection on the meter.

### AM Modulation Level (AF Unit on Ext. Bd. #2)

Connect the 50-dB attenuator and oscilloscope to the **ANT** jack, and set the **RF PWR** and **MIC** gain controls fully clockwise. Inject 10 mV at 1 kHz to pin 8 of the **MIC** jack with the AF signal generator.

With the transceiver tuned to 14.2 MHz, AM mode, key the transmitter and adjust VR3016 on the AF Unit for 100% modulation on the oscilloscope.

### Tx AFSK Tone Level

With the transceiver tuned to 14.2 MHz, RTTY-LSB mode, and the wattmeter and 50-Ω dummy load connected to the **ANT** jack, set the **RF PWR** control fully CW (maximum). Set the **METER** selector to **ALC**, key the transmitter, and adjust VR3007 on the top edge of the AF Unit so that the meter indicates at the top edge of the blue ALC zone (S-9 on the S-meter scale).

### Transmitter IF Gain II

- ☐ With the transceiver set to CW mode, and the 50-Ω dummy load connected to the **ANT** jack, set the **RF PWR** control fully clockwise, and select the ALC meter function.
- ☐ Tune to each of the following frequencies, key the transmitter and adjust the corresponding potentiometer on the top edge of the RF Unit for peak ALC deflection.

| Tune to ... | and adjust ... |
|-------------|----------------|
| 1.840 MHz   | VR1001         |
| 3.750 MHz   | VR1002         |
| 7.050 MHz   | VR1004         |
| 10.125 MHz  | VR1006         |
| 21.200 MHz  | VR1008         |
| 29.000 MHz  | VR1009         |

### Transmitter Frequency (IF Unit on Ext. Bd. #1)

Connect the 50-dB attenuator and frequency counter to the **ANT** jack. Tune to 29.000 MHz, FM mode, key the transmitter and adjust L2002 on the IF Unit so that the difference between transceiver display and the frequency counter is less than 50 Hz.

### FM & CTCSS Deviation

- ☐ Connect the attenuator and linear detector to the **ANT** jack. Tune to 29.000 MHz, FM mode, and set the **FM MIC GAIN** (inside the top access panel) to the 12-o'clock position.
- ☐ Inject 10 mV at 1 kHz from the AF generator to pin 8 of the **MIC** jack, key the transmitter, and adjust VR3008 on the top edge of the AF Unit for  $\pm 2.3$ -kHz deviation ( $\pm 100$  Hz).
- ☐ Remove the AF injection, press the **RPT** button (to activate the CTCSS tone generator), and adjust VR3012 on the top edge of the AF Unit for  $\pm 0.5$ -kHz deviation ( $\pm 100$  Hz).
- ☐ Repeat both adjustments several times.

### FM Mic Gain (in Top Panel Access)

- ☐ With the attenuator and linear detector connected to the **ANT** jack, and with the transceiver tuned to 29.000 MHz, FM mode, inject 1.5 mV at 1 kHz from the AF generator to pin 8 of the **MIC** jack.

Key the transmitter and adjust the **FM MIC GAIN** (VR3005 on the AF Unit, inside the top access panel) for  $\pm 1.75$ -kHz deviation ( $\pm 100$  Hz).

### Speech Processor (IF Unit on Ext. Bd. #1)

- ☐ Set the **RF PWR** control fully clockwise, and the **PROC** and **MIC** controls to their 12-o'clock positions, and select the USB mode on 14.2 MHz. Select the ALC meter function, and press the **PROC** button to activate the speech processor.

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- ☐ Inject 10 mV audio at 1 kHz to pin 8 of the **MIC** jack with the AF signal generator, key the transmitter and adjust T2024 on the IF Unit for peak meter deflection (adjust the **PROC** control setting, if necessary, to maintain deflection just below mid-scale).
- ☐ Adjust the **PROC** control so the meter deflects just below mid-scale, and adjust T2025 on the IF Unit for peak deflection (reduce the **PROC** control setting, if necessary, to maintain deflection just below mid-scale).
- ☐ Turn the **PROC** control fully clockwise and adjust T2009 on the IF Unit for peak ALC meter deflection.

#### COMP Meter Calibration (IF Unit on Ext. Bd. #1)

- ☐ With the same test equipment setup as in the previous step (14.2 MHz, USB mode, ALC meter selection), set the **PROC** control to the 12-o'clock position, and set the **MIC** gain control fully clockwise.
- ☐ Inject 3 mV audio at 1 kHz to pin 8 of the **MIC** jack with the AF signal generator.
- ☐ Key the transmitter and adjust the **RF PWR** control so the ALC indication on the meter deflects to the 100-watt marking on the PO scale. Then adjust the **MIC** gain control so the ALC indication on the meter deflects to the 50-watt marking on the PO scale.
- ☐ Switch the meter to the **COMP** scale and adjust VR2011 on the IF Unit so the meter just begins to deflect.
- ☐ Increase the AF injection to 30 mV, and adjust VR2010 for 20-dB indication on the **COMP** scale.

#### VCC Meter Calibration

Set the **METER** selector to the **VCC** position. In the USB mode, with no microphone input, press the **MOX** button and adjust VR9002 on the Regulator Unit so that the transceiver's meter deflects to the 13.5-volt mark on the VCC scale.

#### IC Meter Calibration

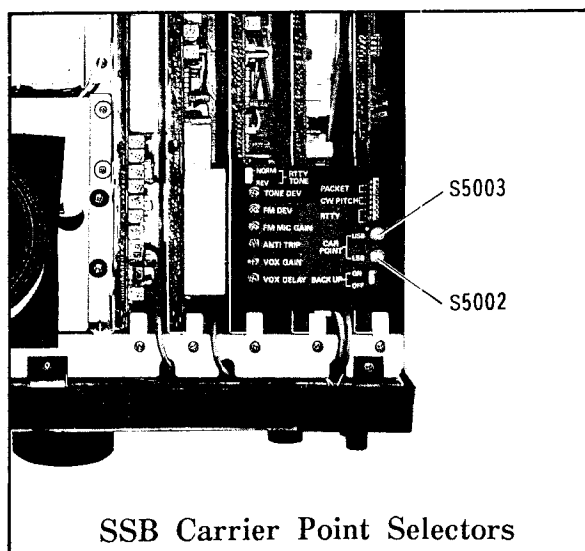
Set the transceiver to CW mode at 14.200 MHz, and set the **RF PWR** control fully clockwise. Set the **METER** selector to the **IC** position, and adjust VR9001 on the Regulator Unit so that the transceiver's meter deflects to the 16-amp mark on the IC scale.

#### Antenna Tuner Power

Tuned to 14.2 MHz with the wattmeter and dummy load connected, set the **RF PWR** control fully ccw (minimum). Press the **START** button and, while the tuner has the transmitter activated, adjust VR1012 on the top edge of the RF Unit, if necessary, for  $5 \pm 0.5$  W output.

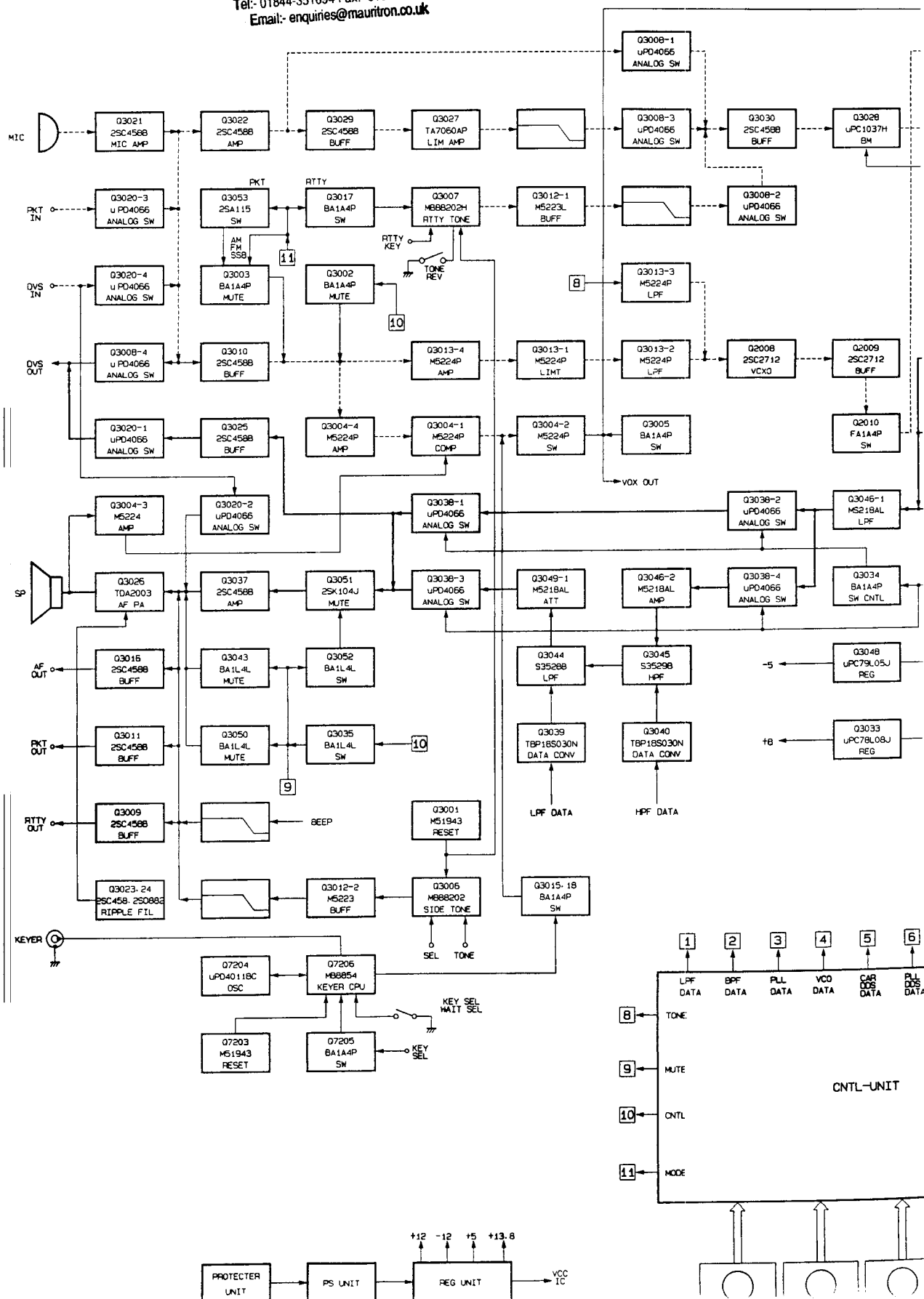
#### Transmitter Carrier Point

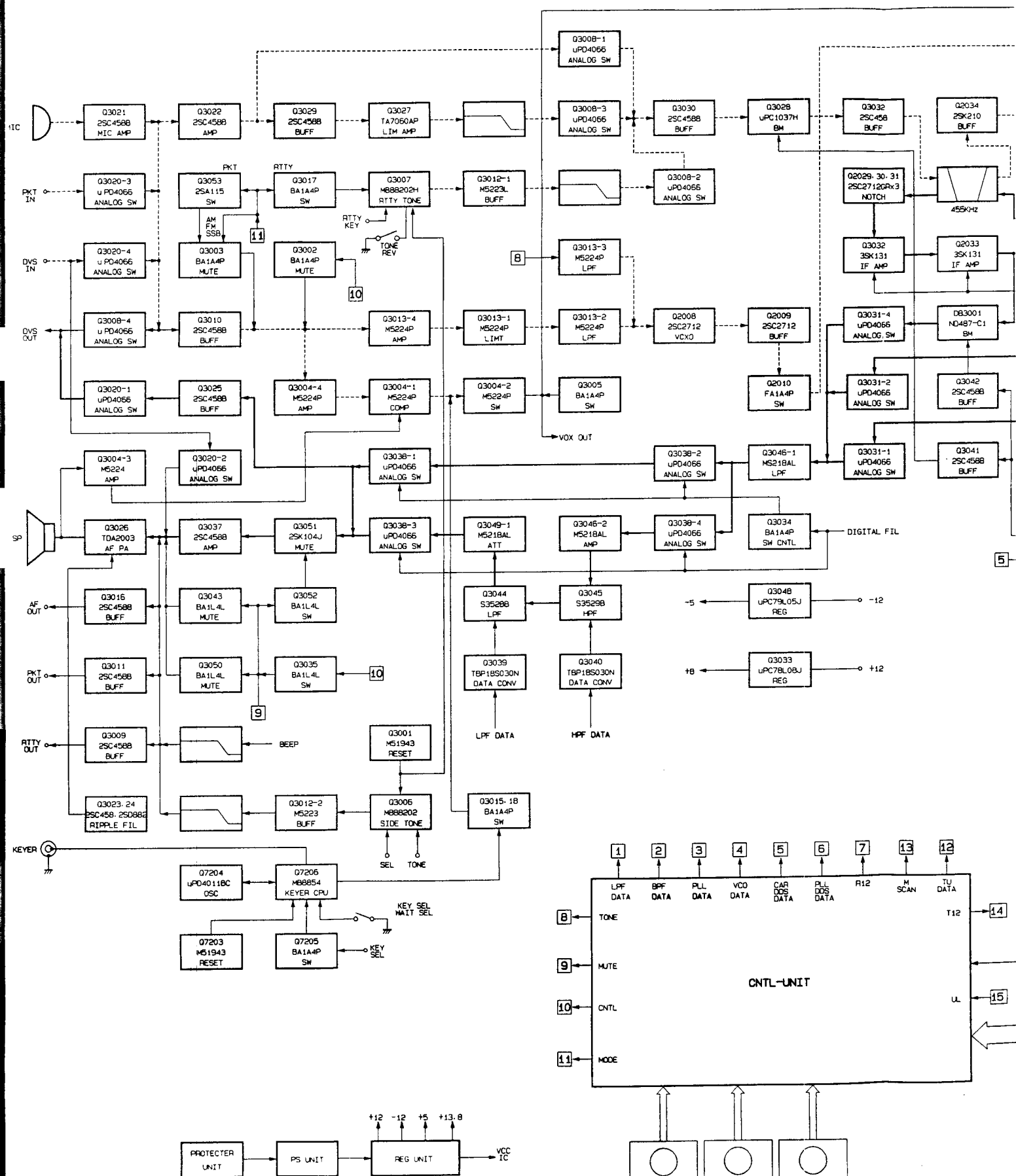
- ☐ Connect the AF signal generator to pin 8 of the **MIC** jack, and set the transceiver to LSB mode. Set the **MIC** gain and **RF PWR** controls fully CW (maximum). Key the transmitter and adjust the AF injection *frequency* for maximum output power, and then adjust the injection *level* for 80 watts output.
- ☐ Tune the AF generator to 350 Hz, and adjust rotary selector S5002 (on the Control Unit, accessible from the top panel) for 20 watts output.
- ☐ Now select the USB mode and adjust selector S5003 for 20 watts output.
- ☐ Retune the AF generator to 2600 Hz, and confirm at least 20 watts output in both LSB and USB modes.

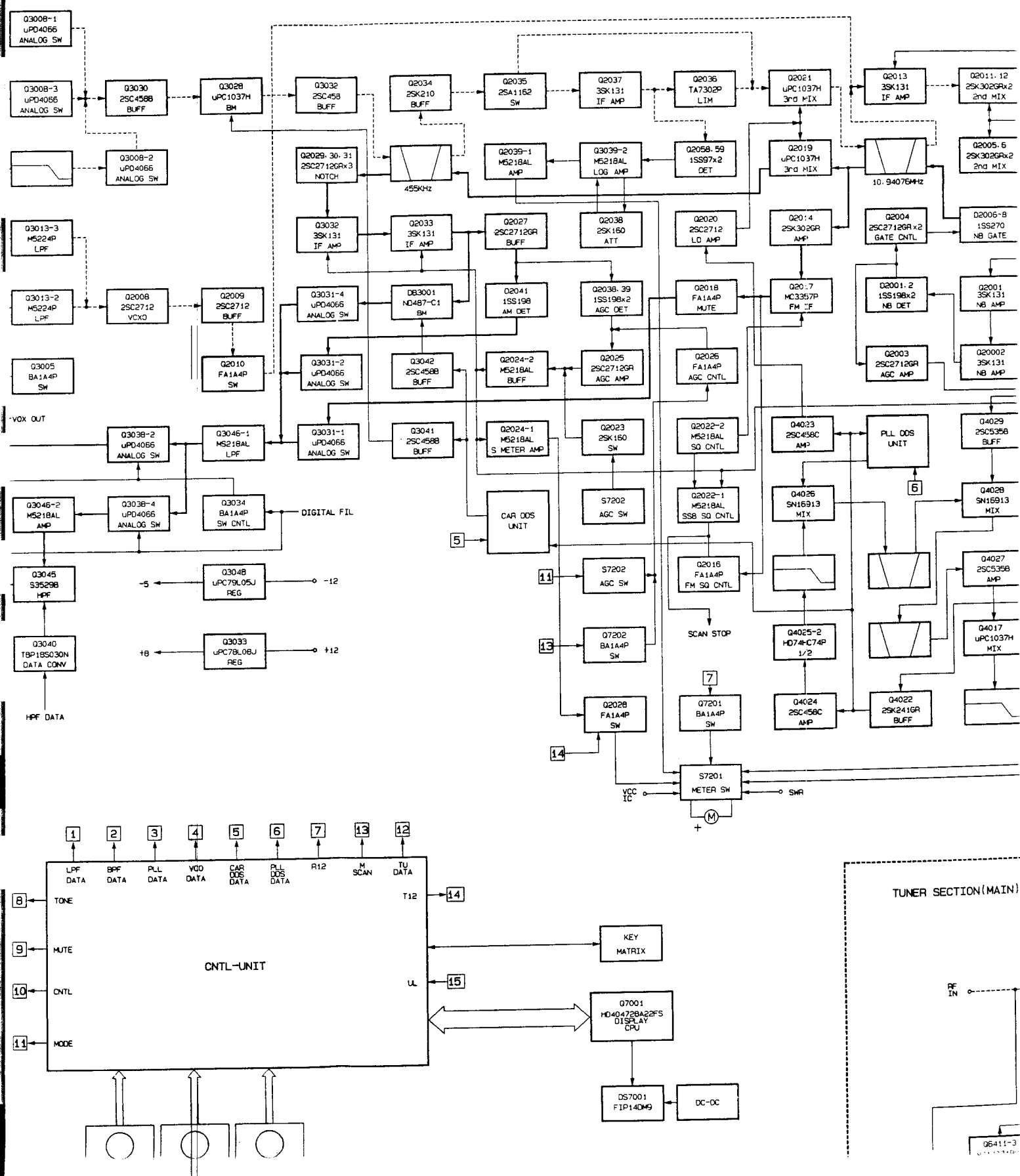


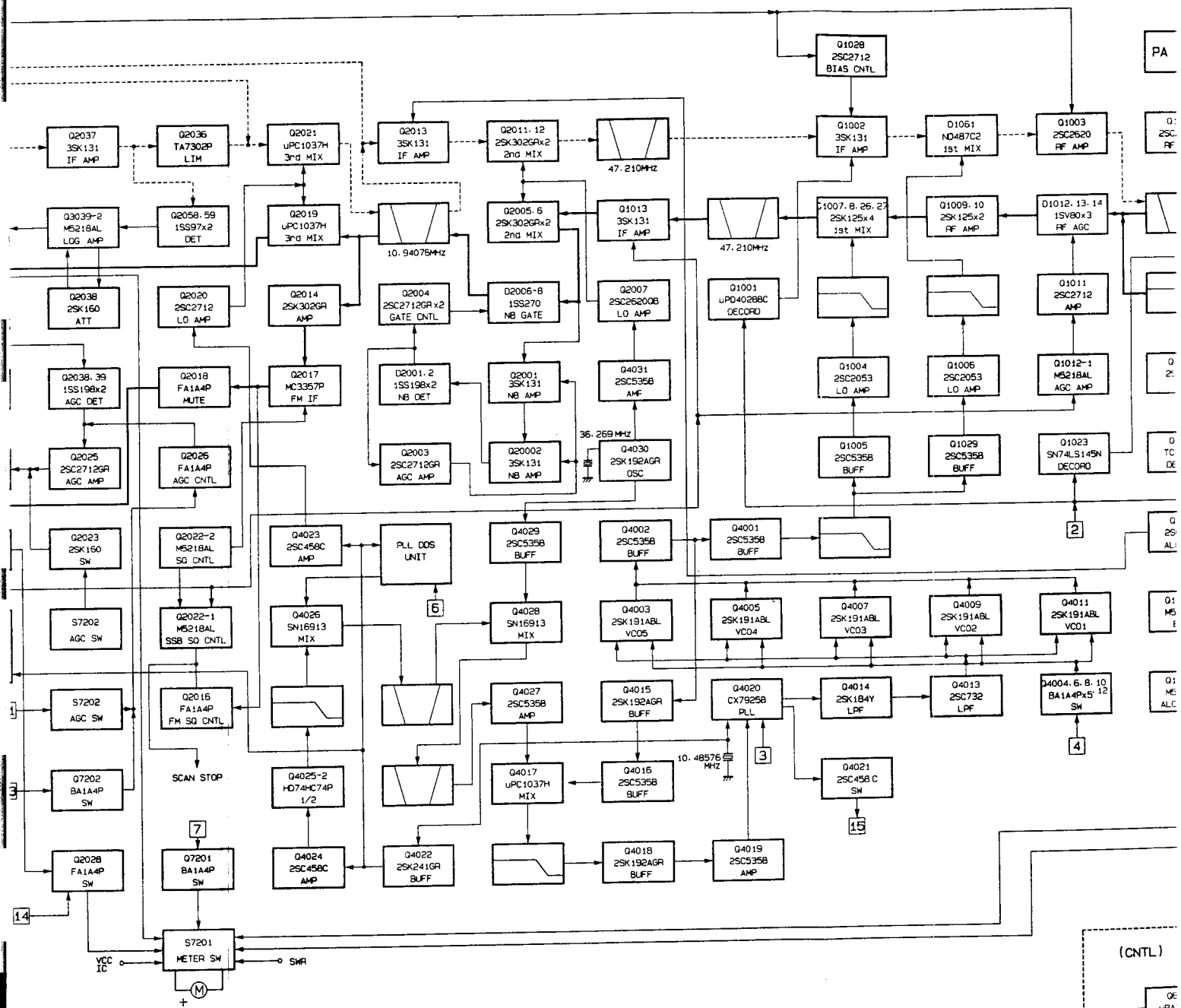
SSB Carrier Point Selectors

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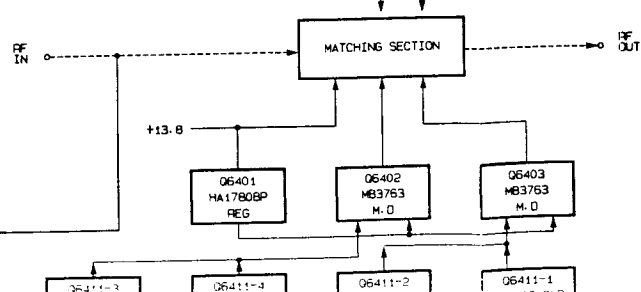




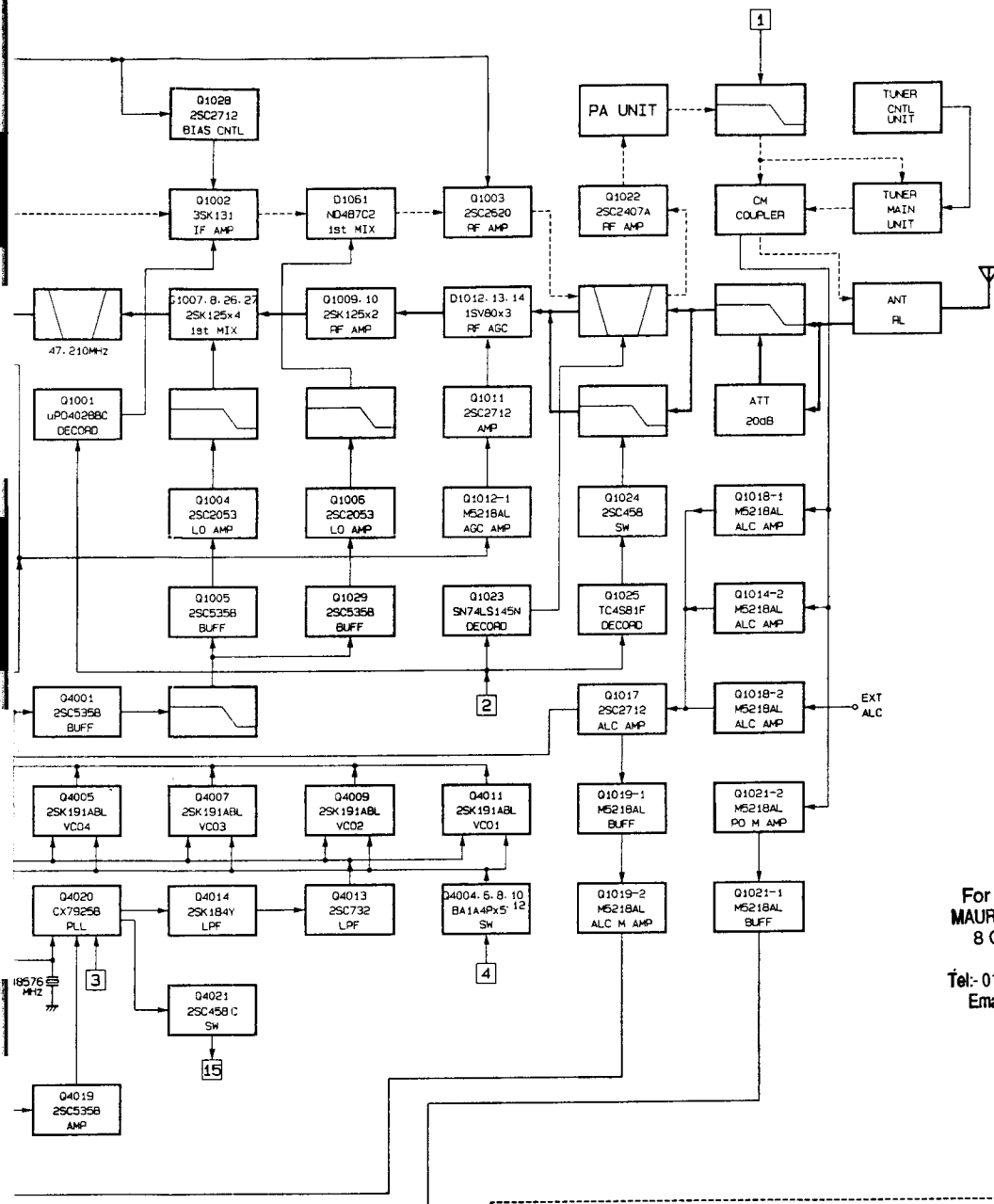




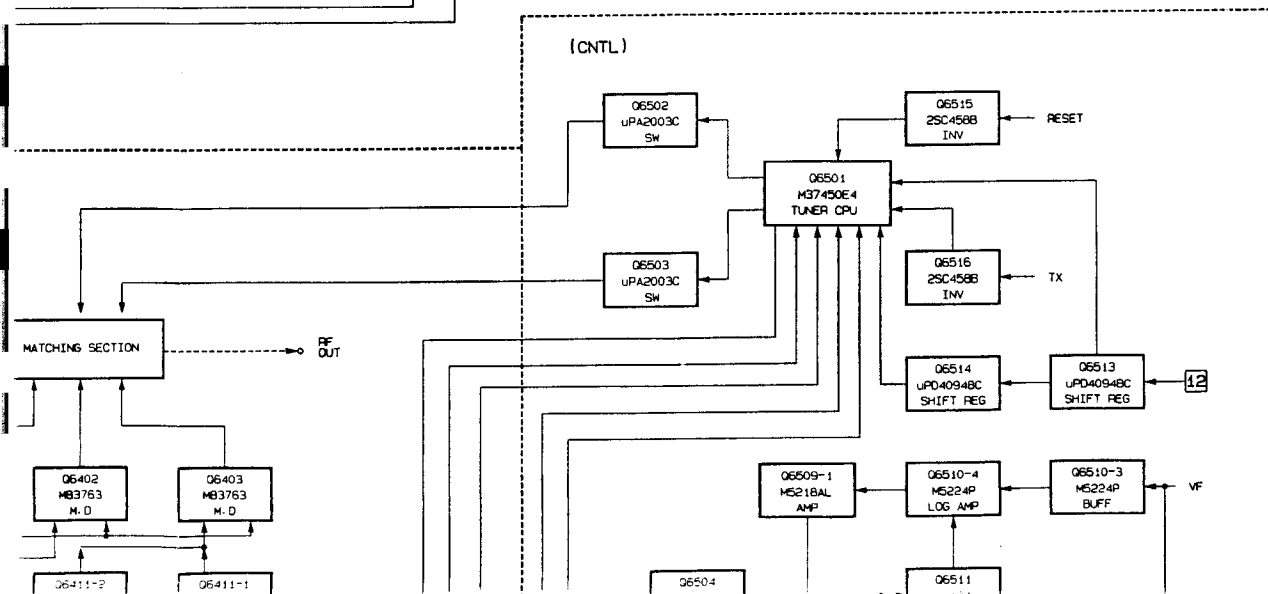
### TUNER SECTION (MAIN)



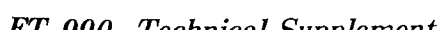
### Block Diagram

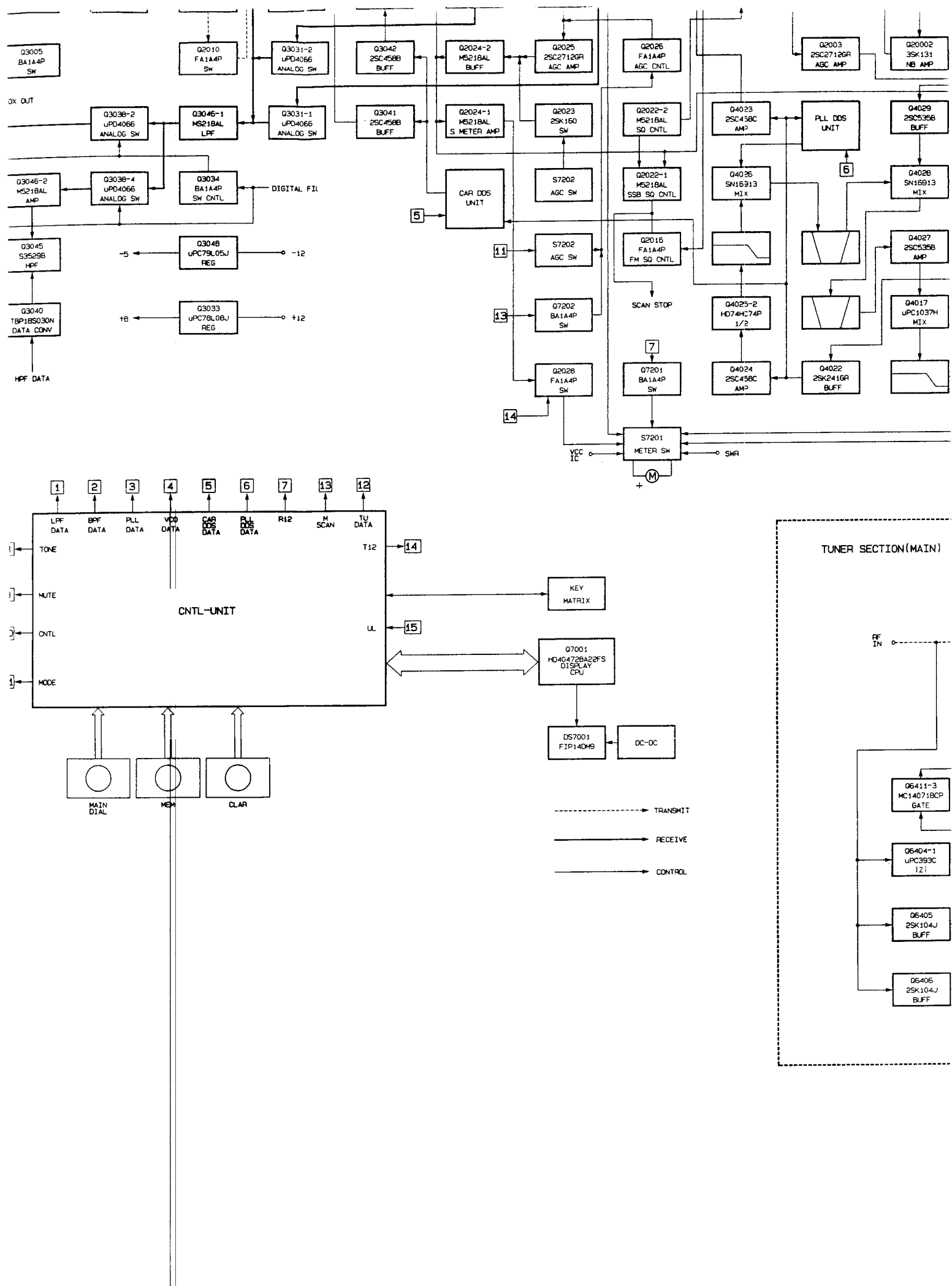


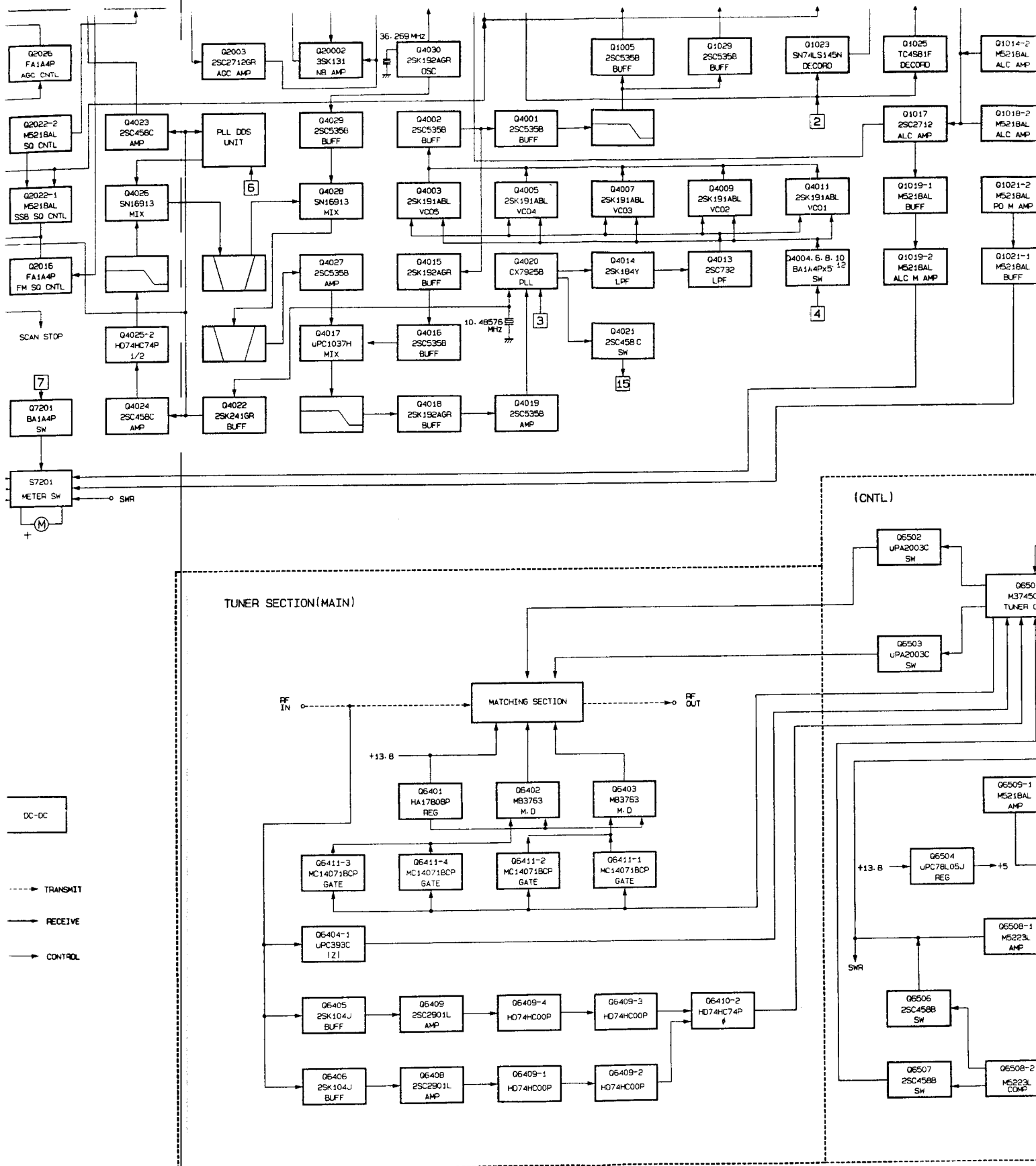
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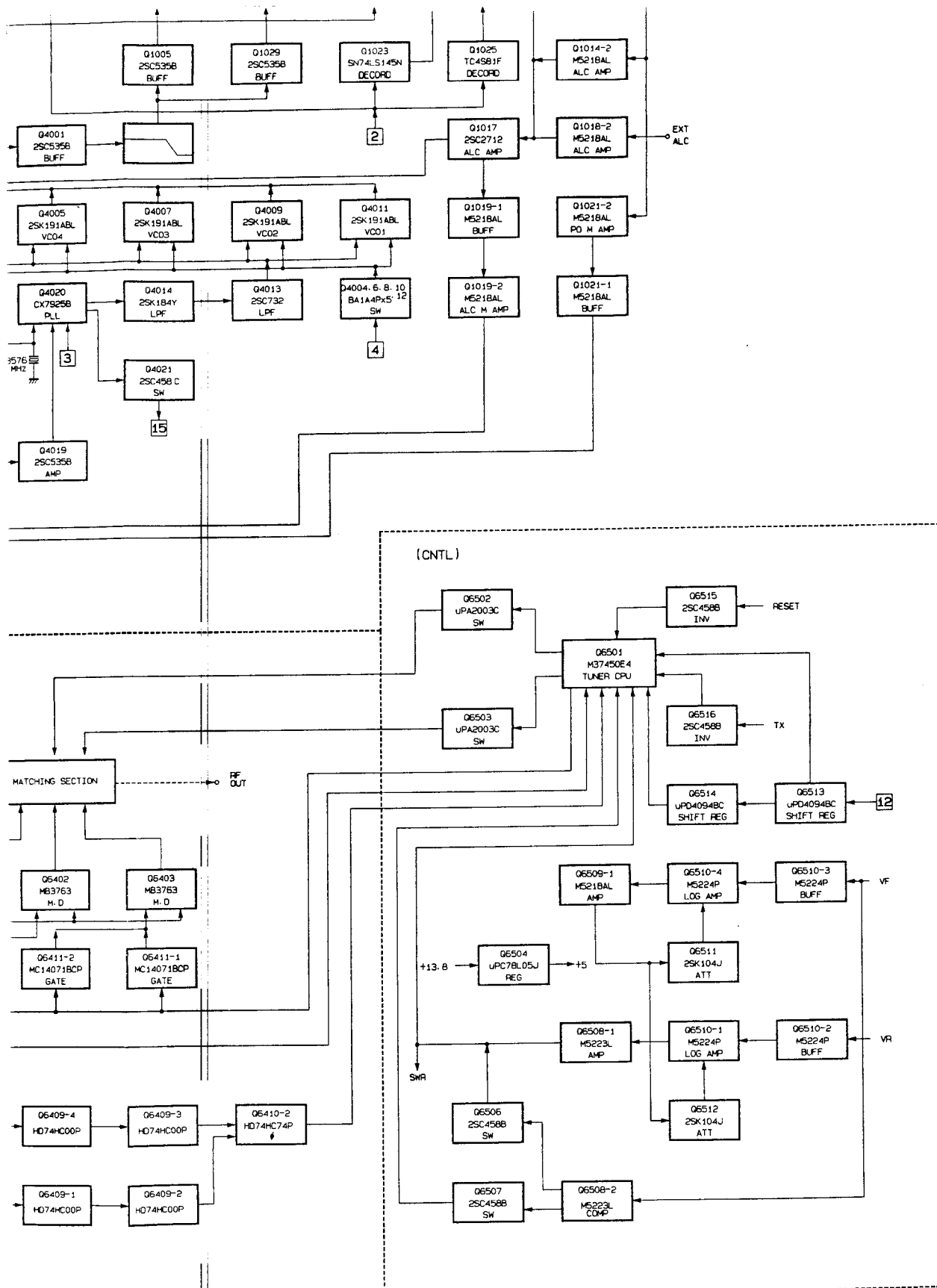




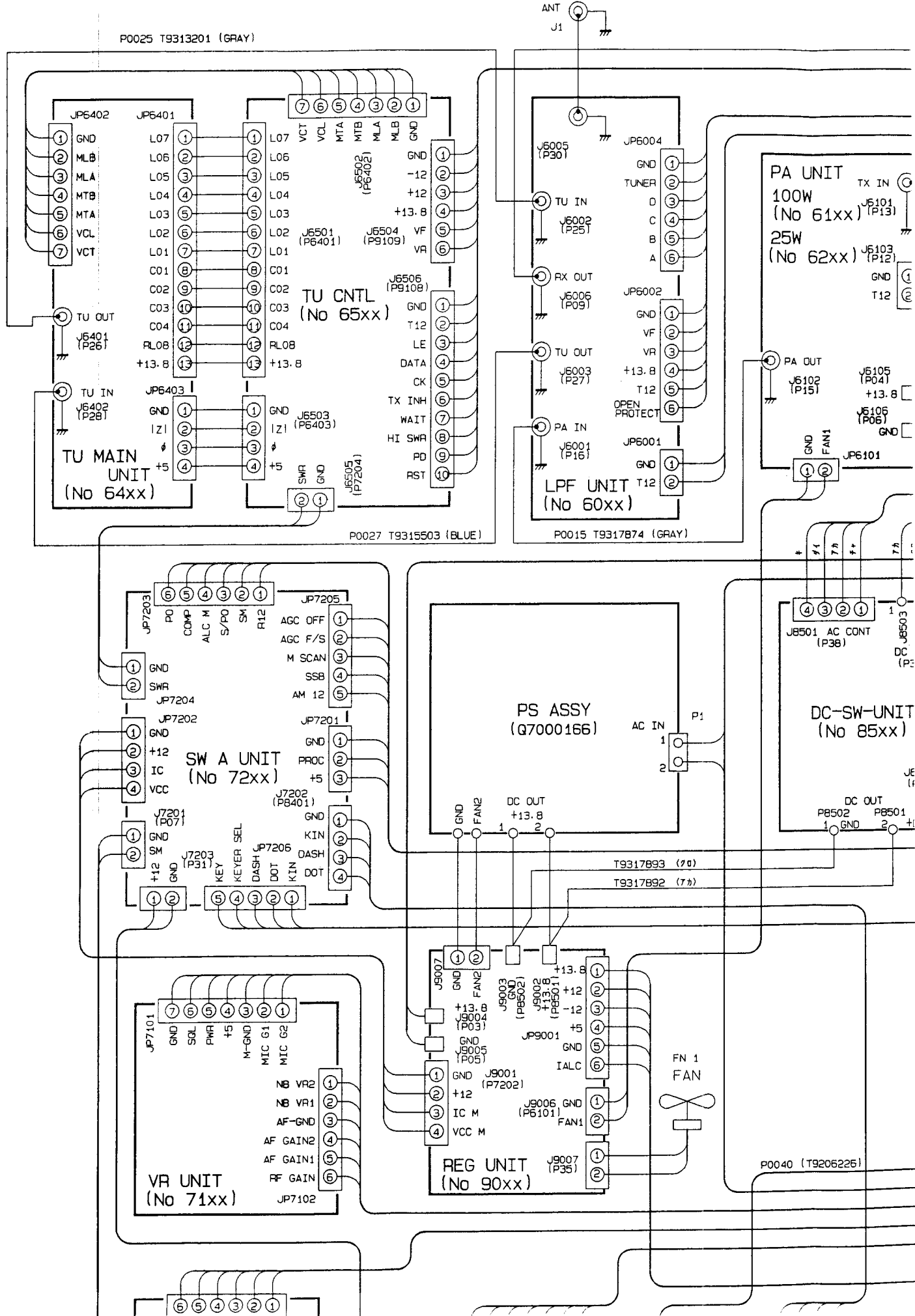


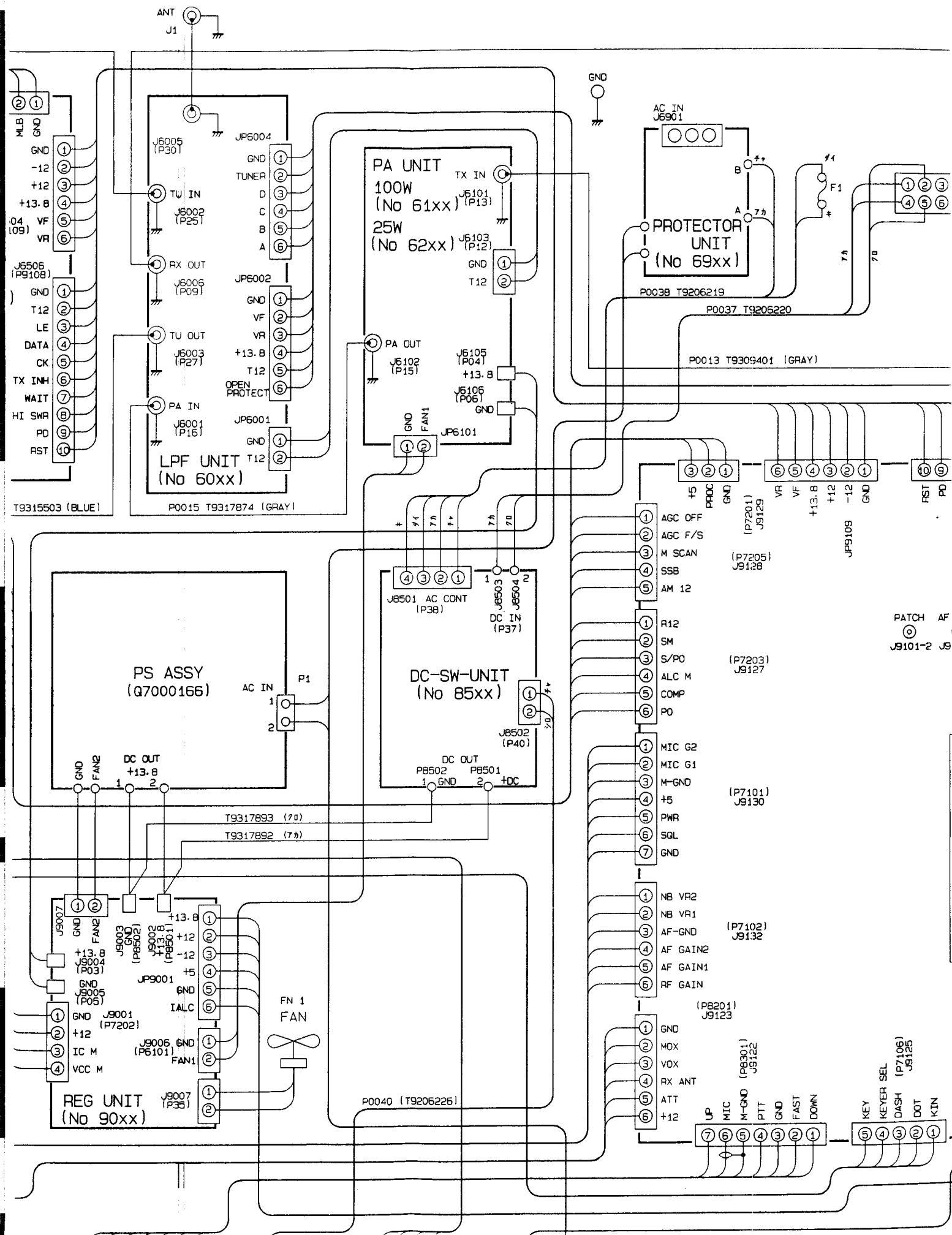


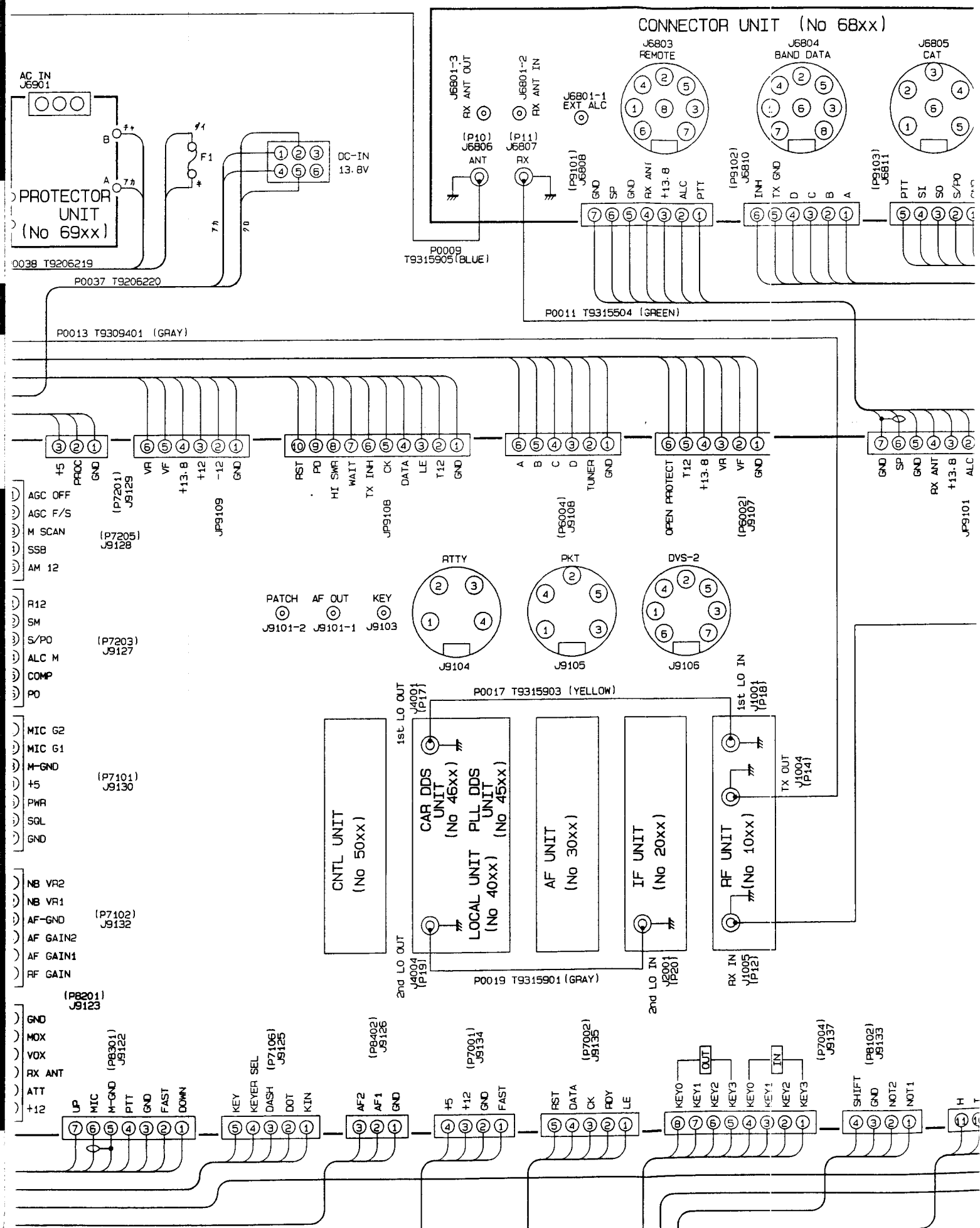
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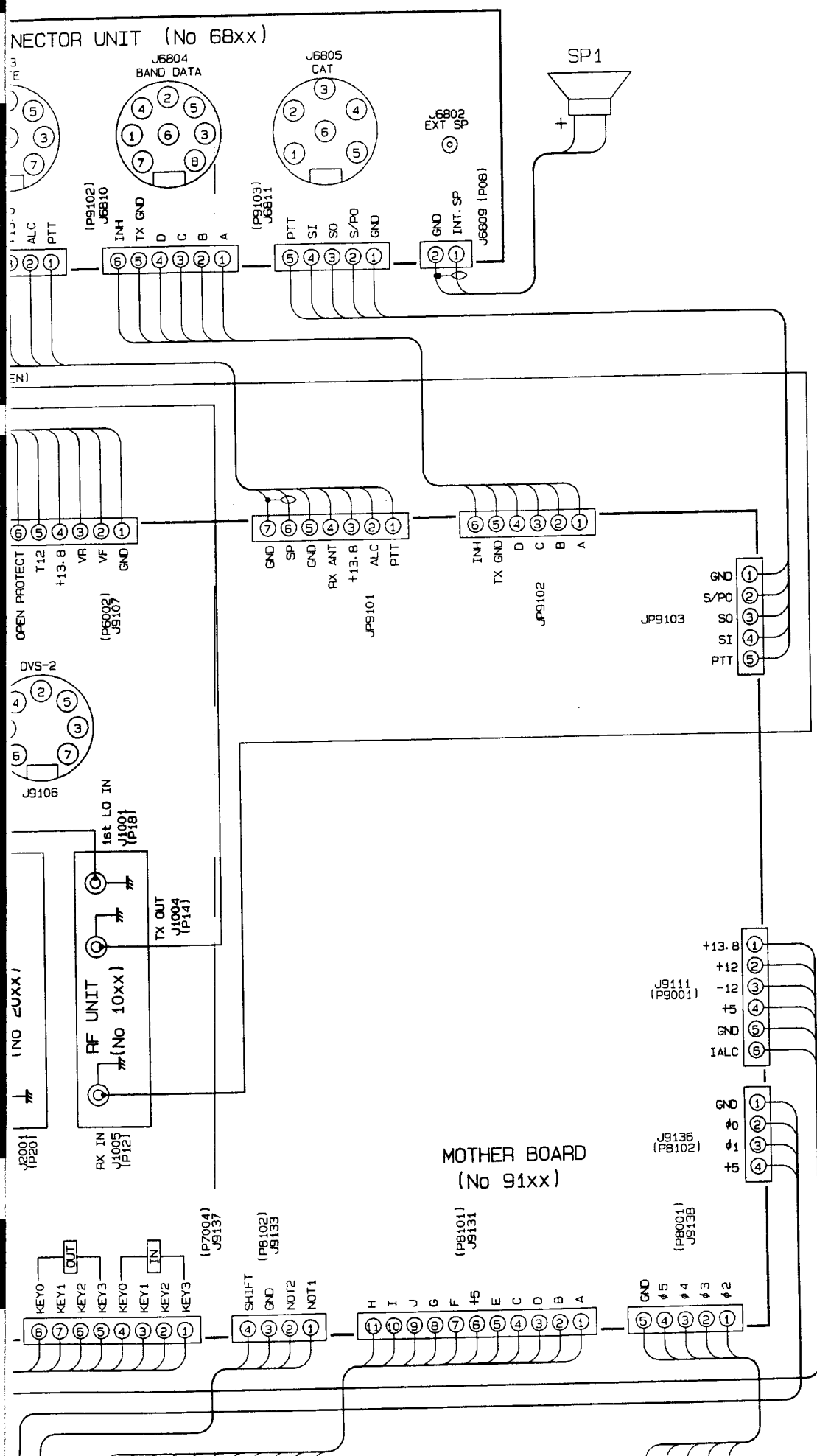


BLOCK DIAGRAM

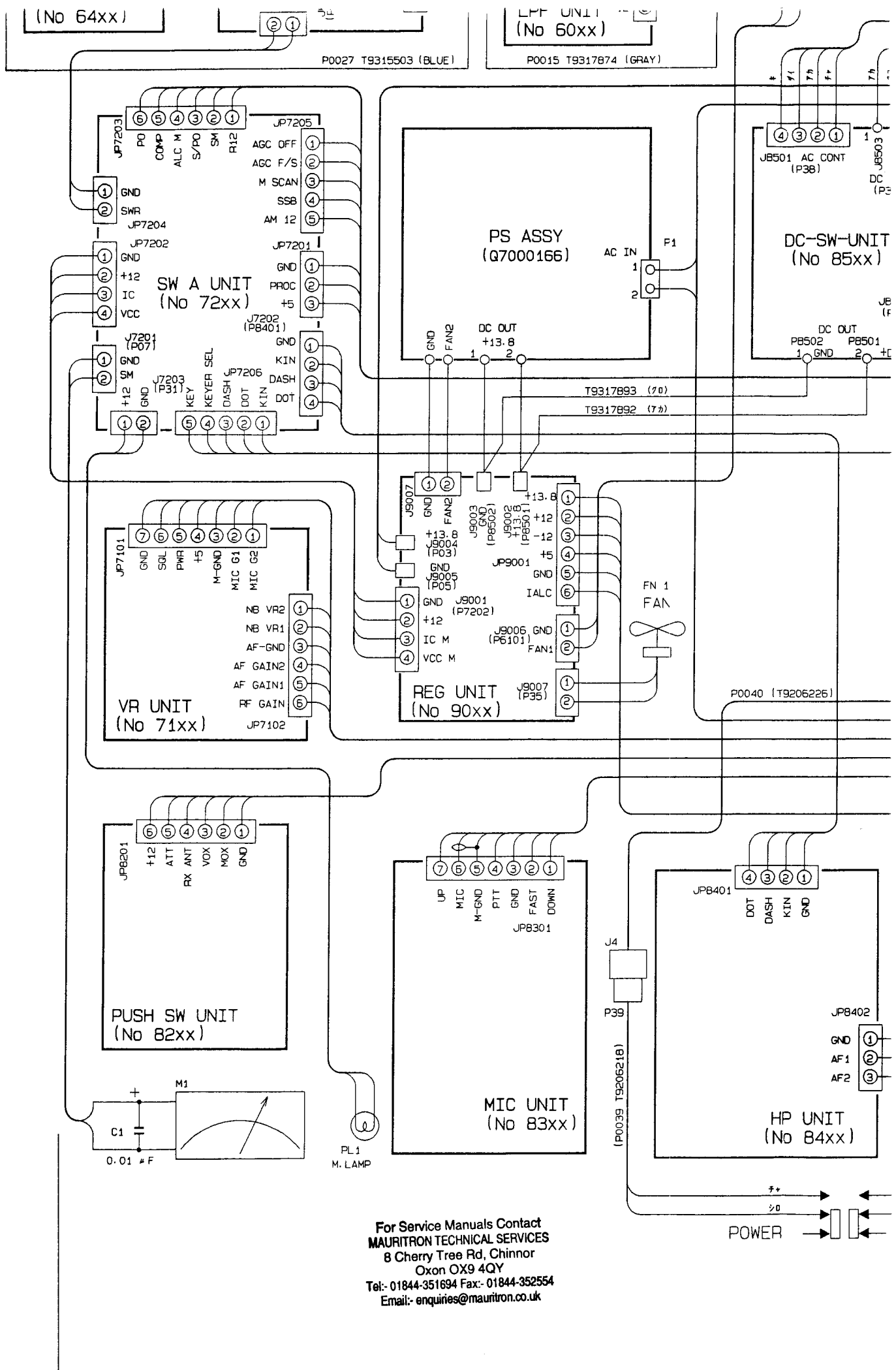


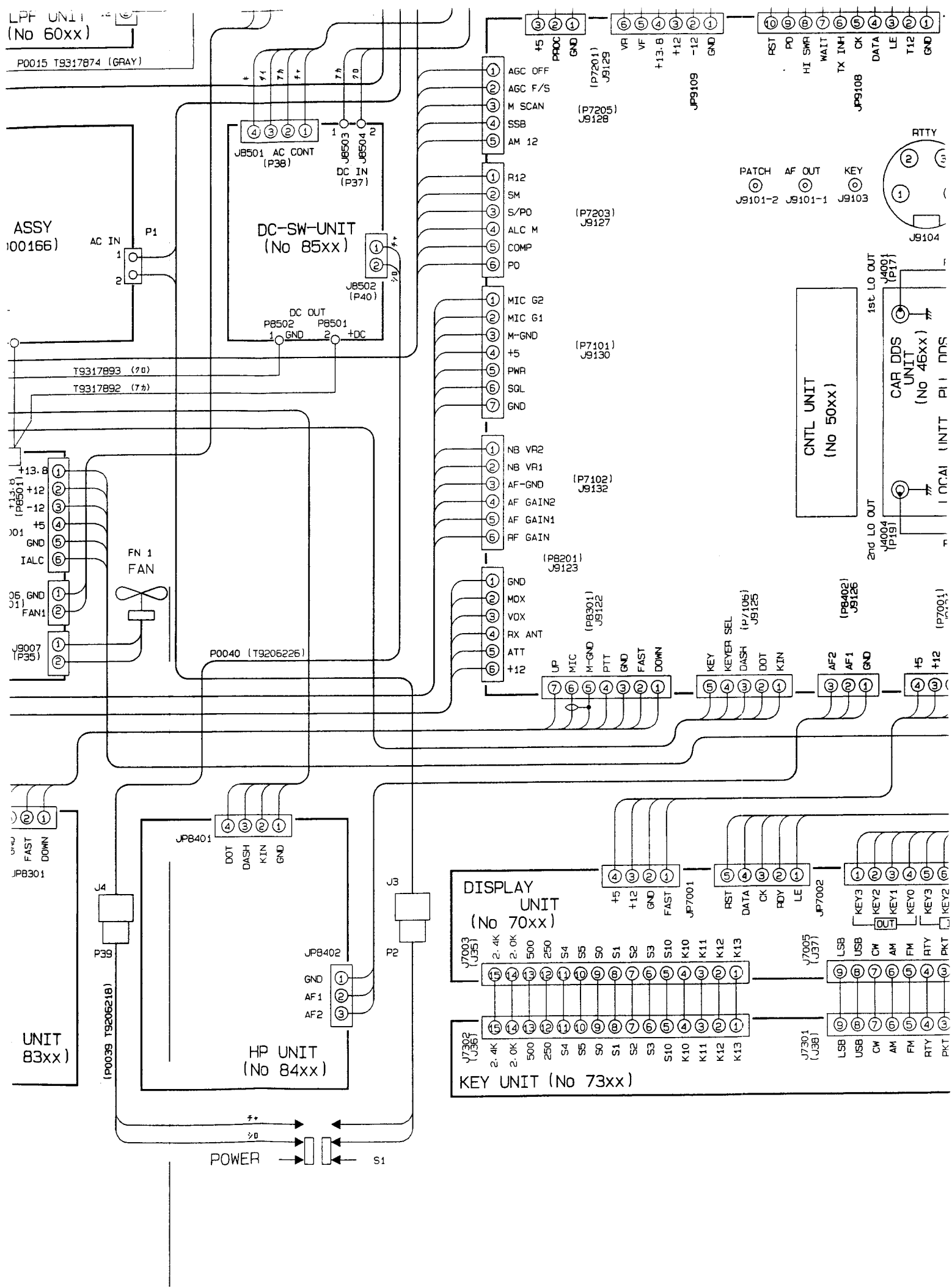


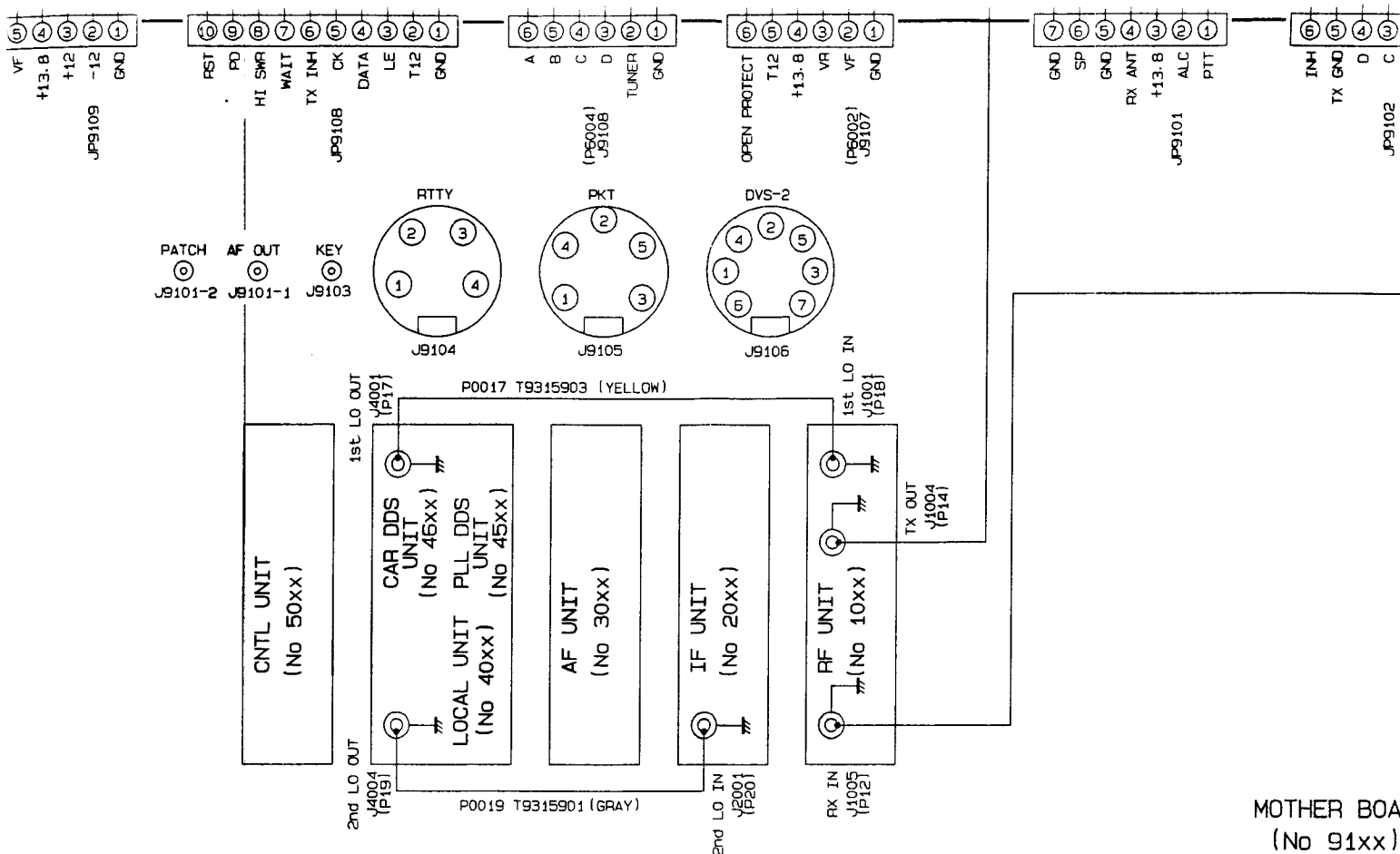




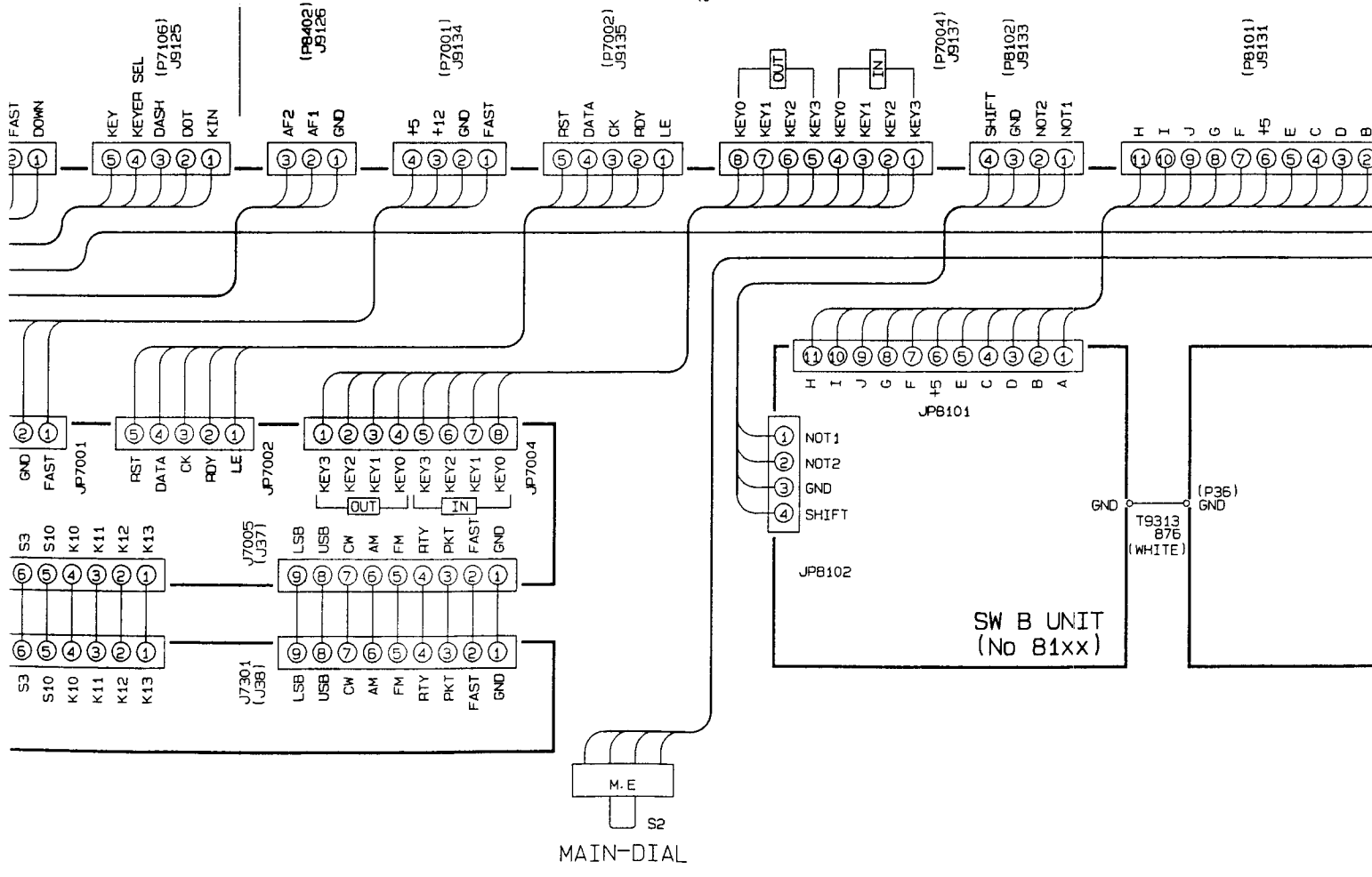




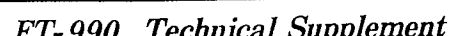




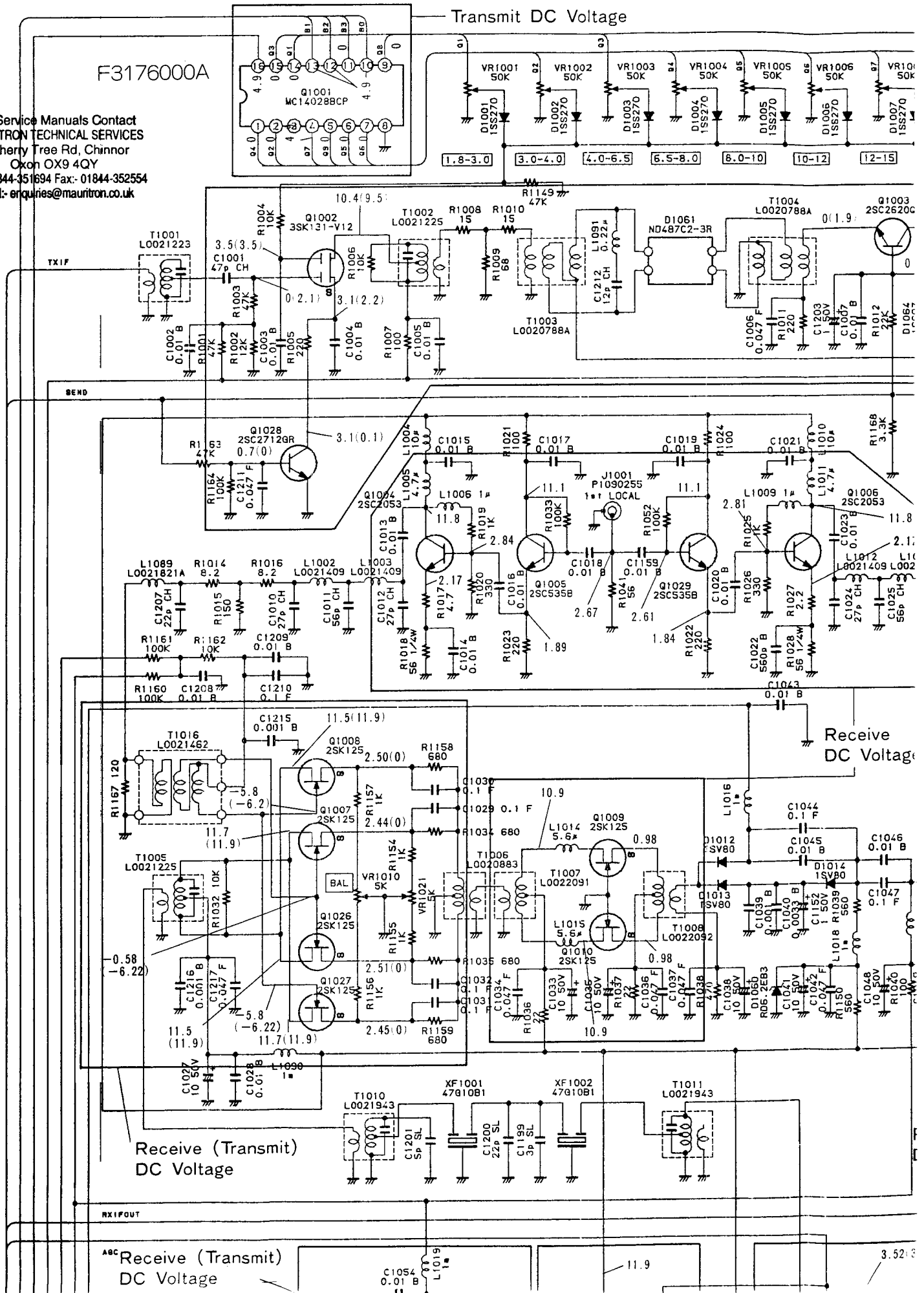
MOTHER BOA  
(No 91xx)

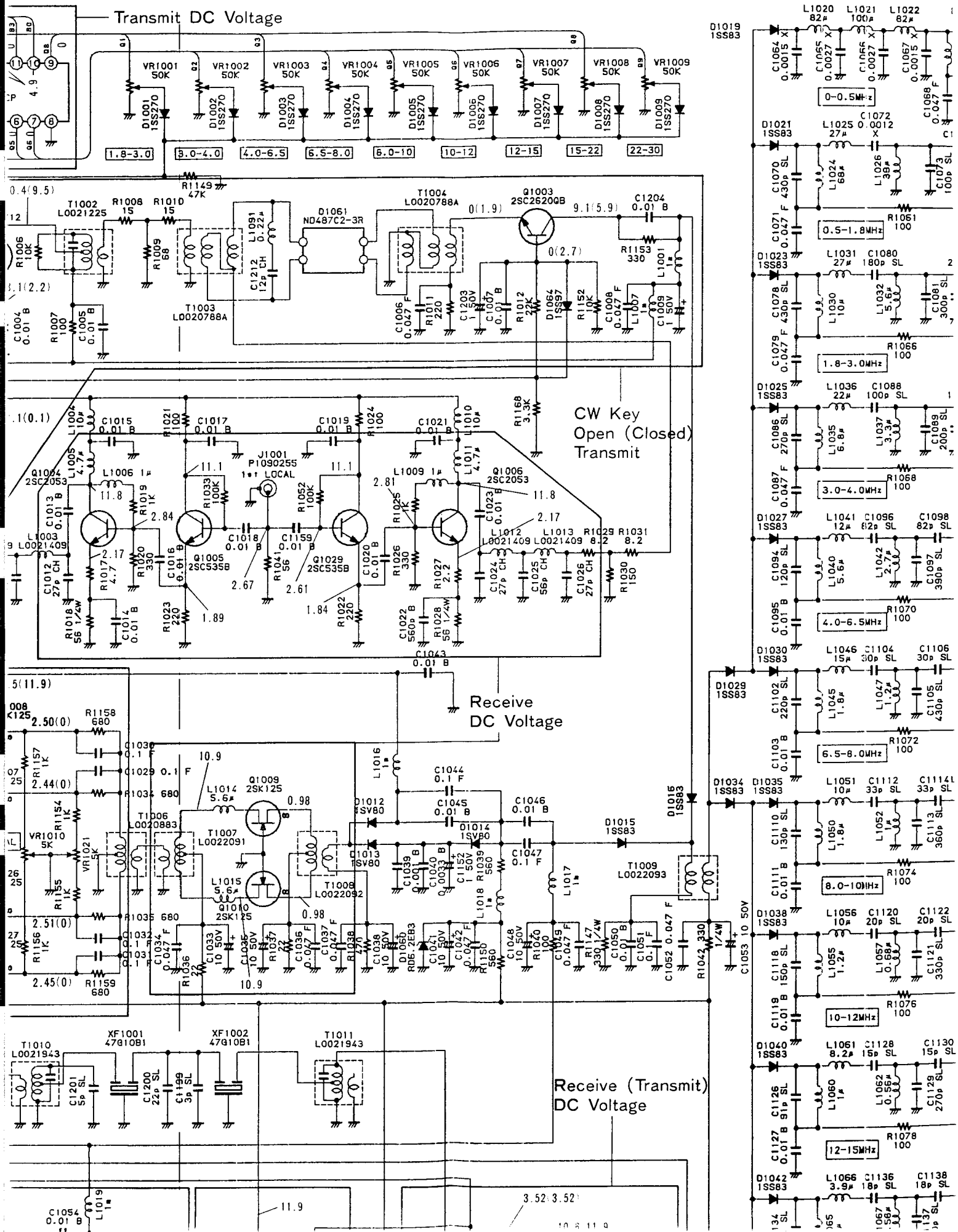


M.E  
S2  
MAIN-DIAL



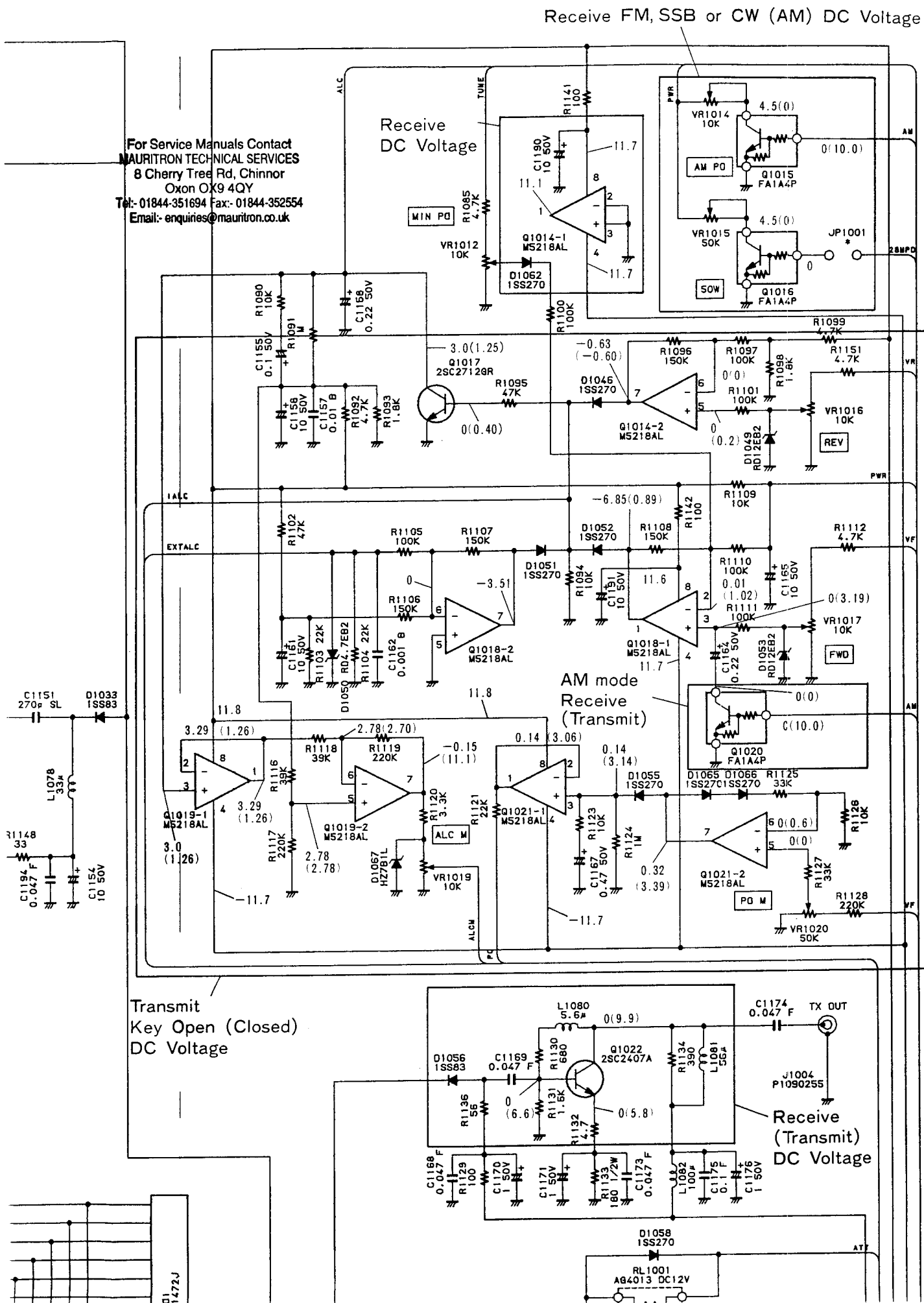
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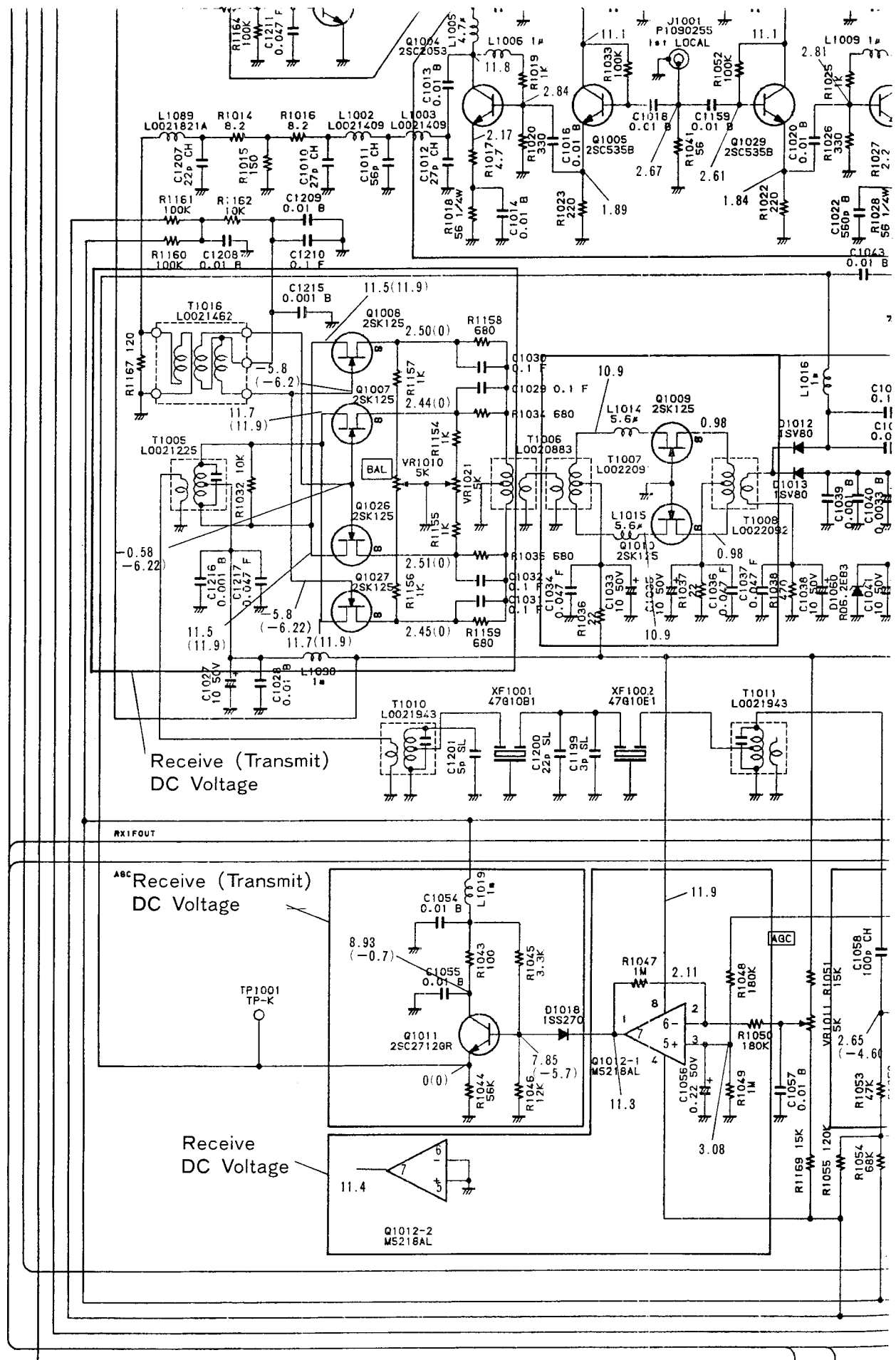




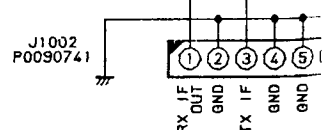
**For Service Manuals Contact**  
**MAURITRON TECHNICAL SERVICES**  
8 Cherry Tree Rd, Chinnor  
Oxon OX9 4QY  
**Tel: 01844-351694 Fax: 01844-352554**  
**Email: enquiries@mauritron.co.uk**

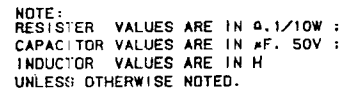
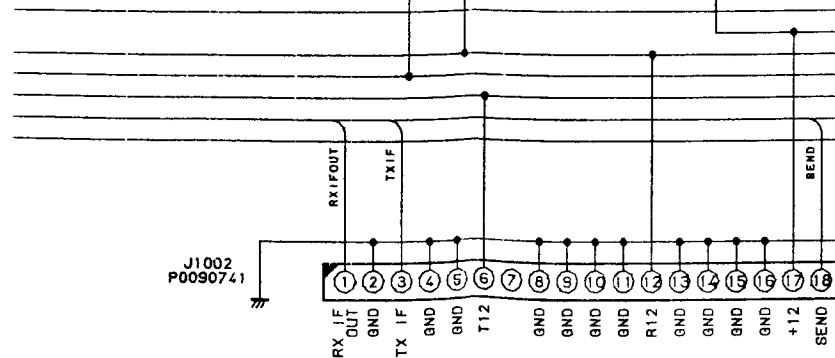


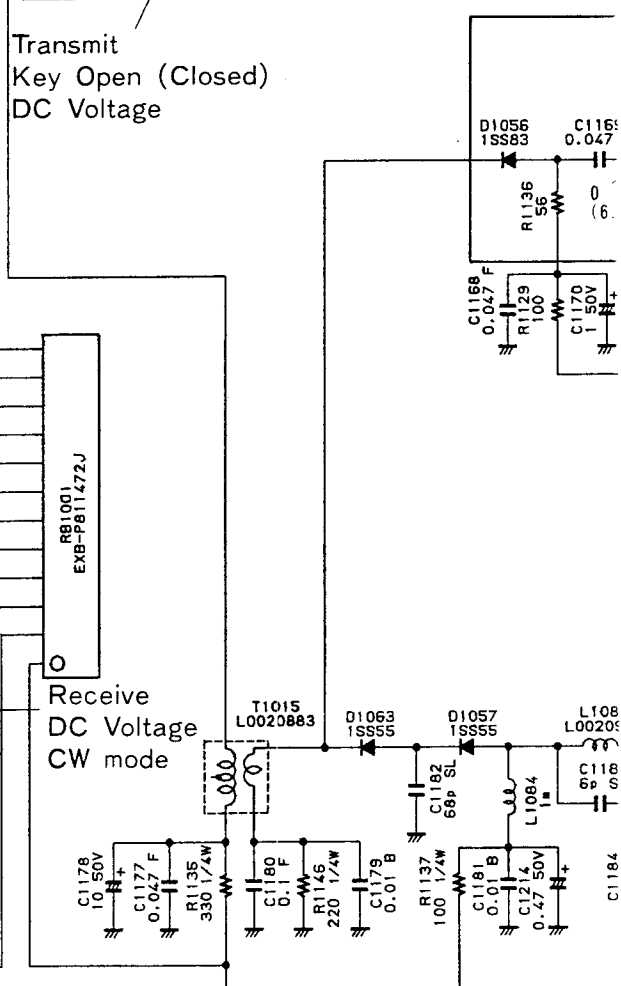
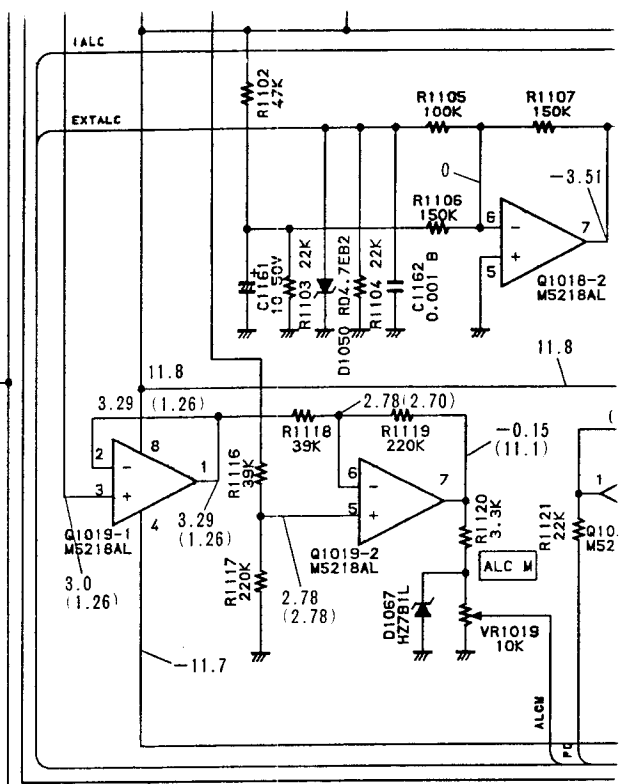
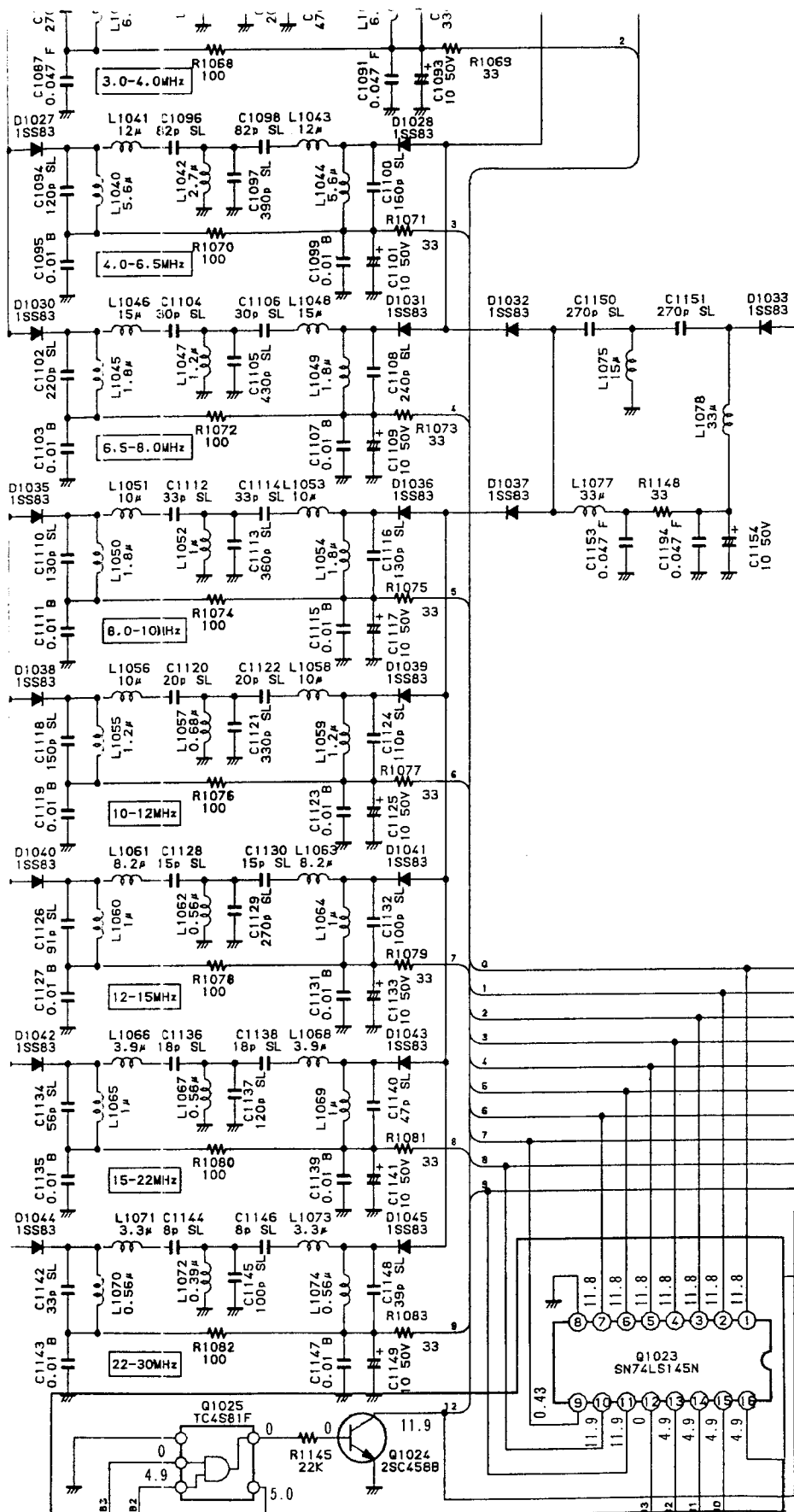




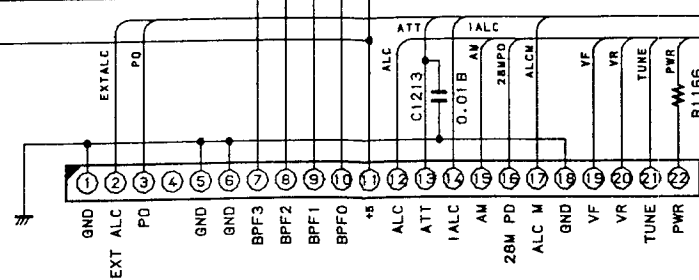
Measuring Conditions  
Frequency: 14.200MHz  
Mode: CW





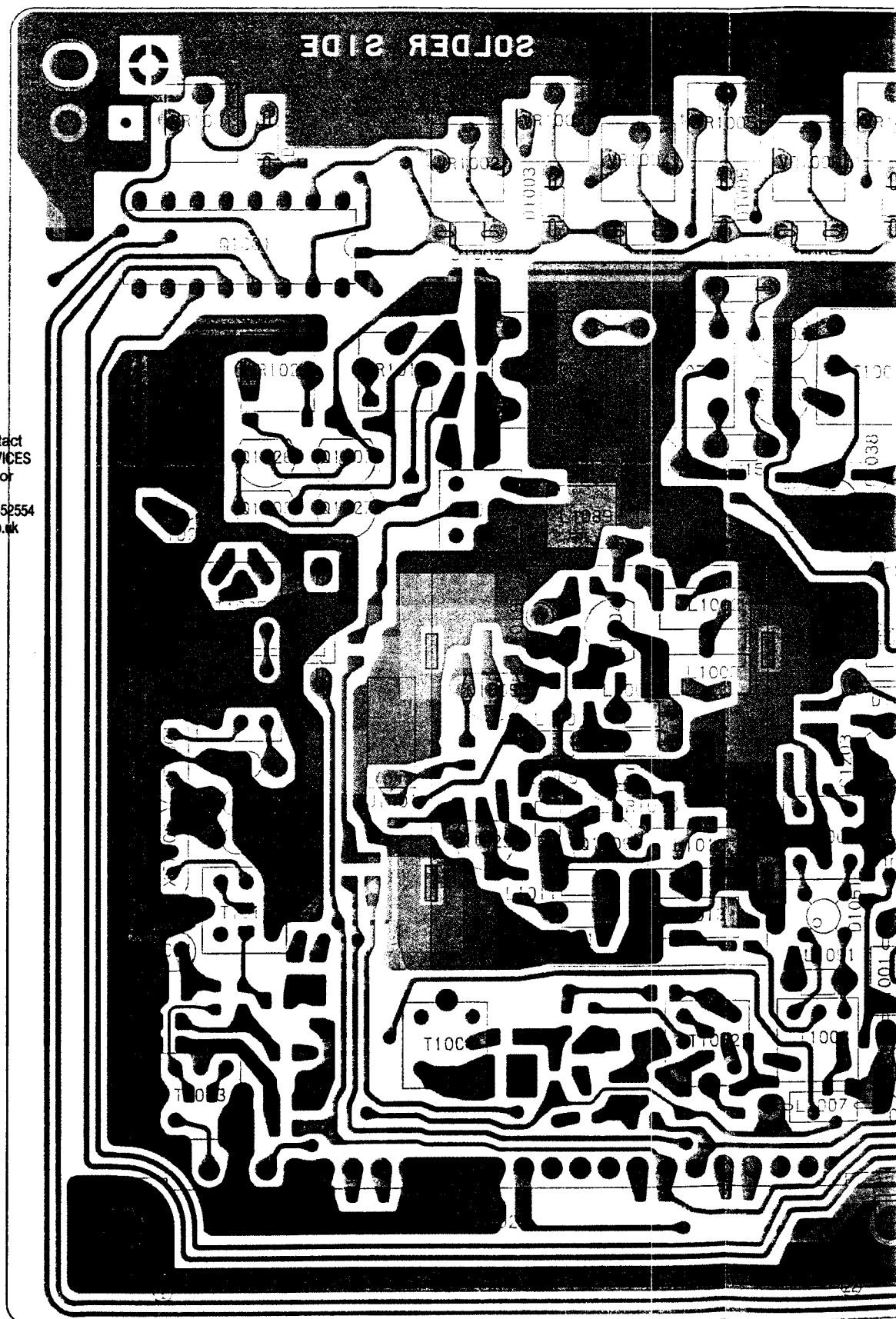


NOTE:  
RESISTOR VALUES ARE IN  $\Omega$ , 1/10W ;  
CAPACITOR VALUES ARE IN  $\mu$ F, 50V ;  
INDUCTOR VALUES ARE IN H  
UNLESS OTHERWISE NOTED.

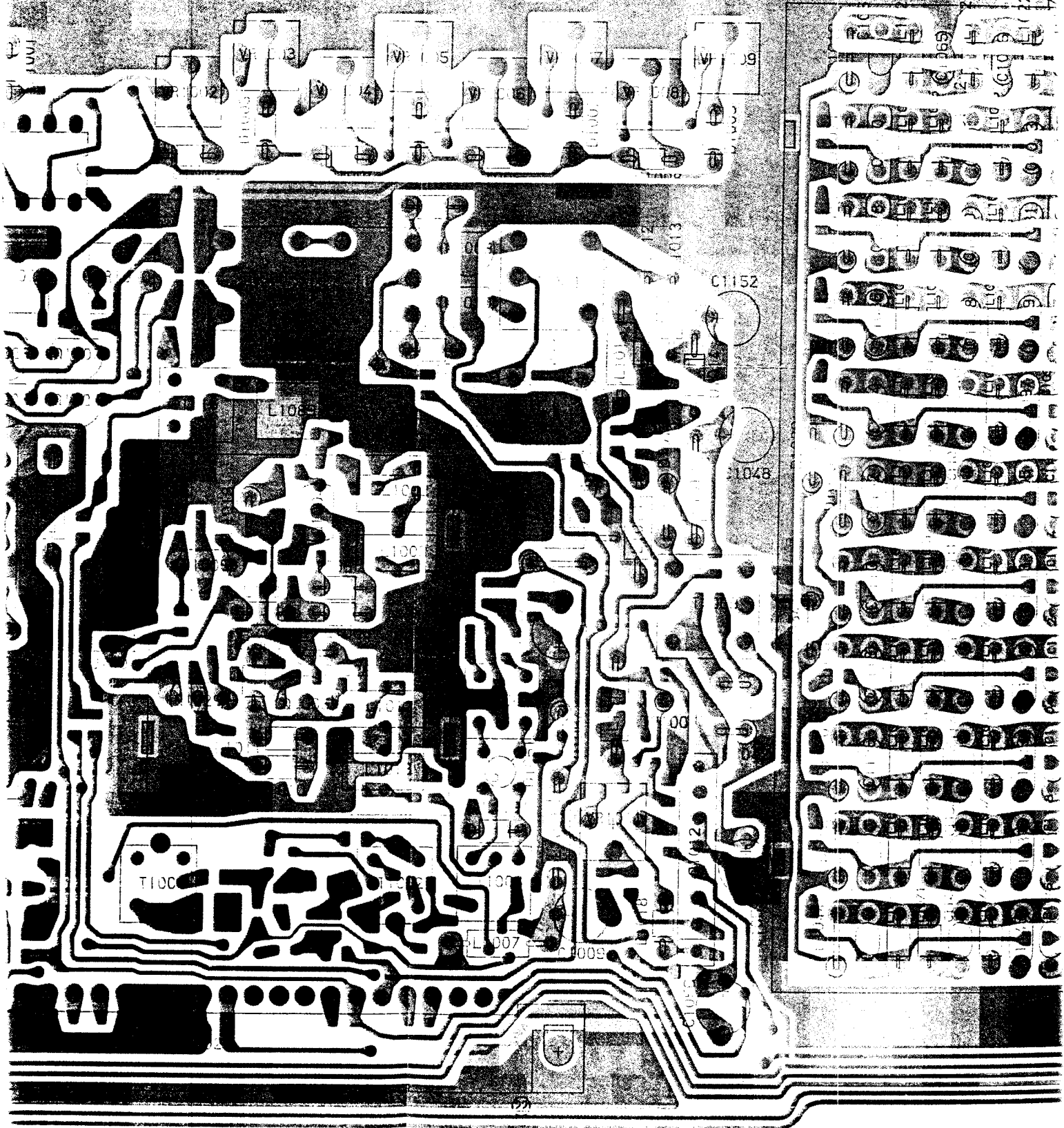


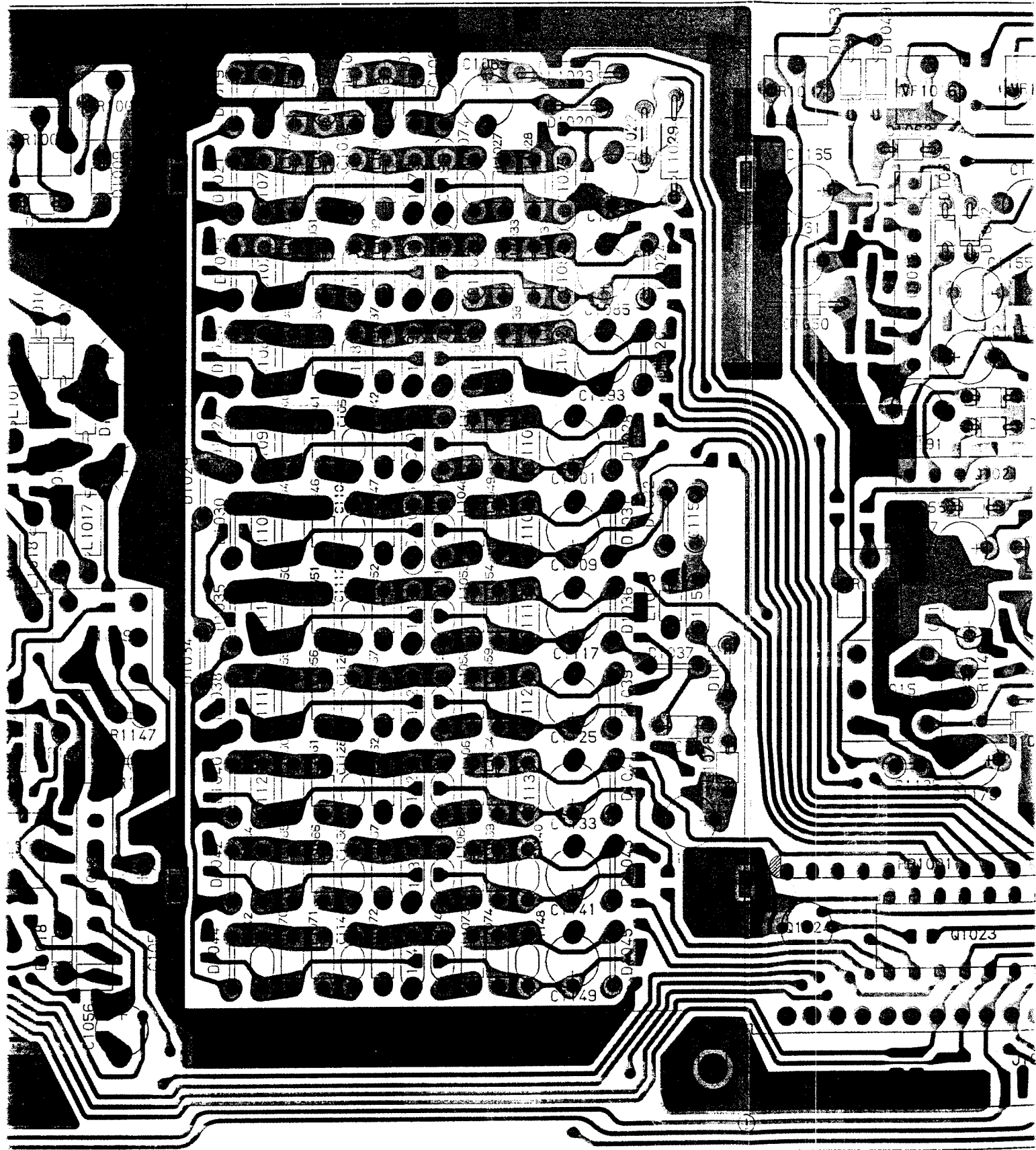


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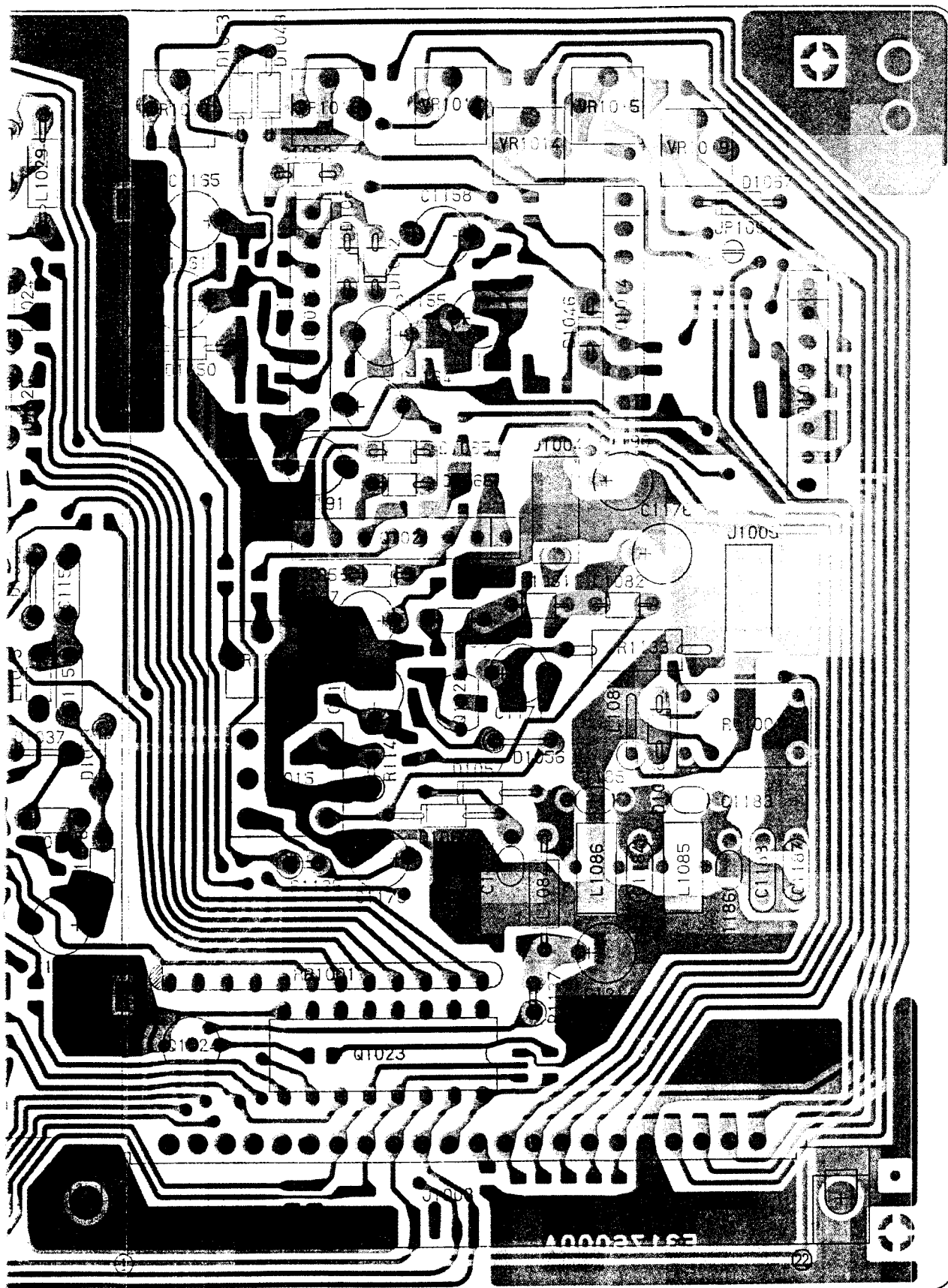


3012 830102



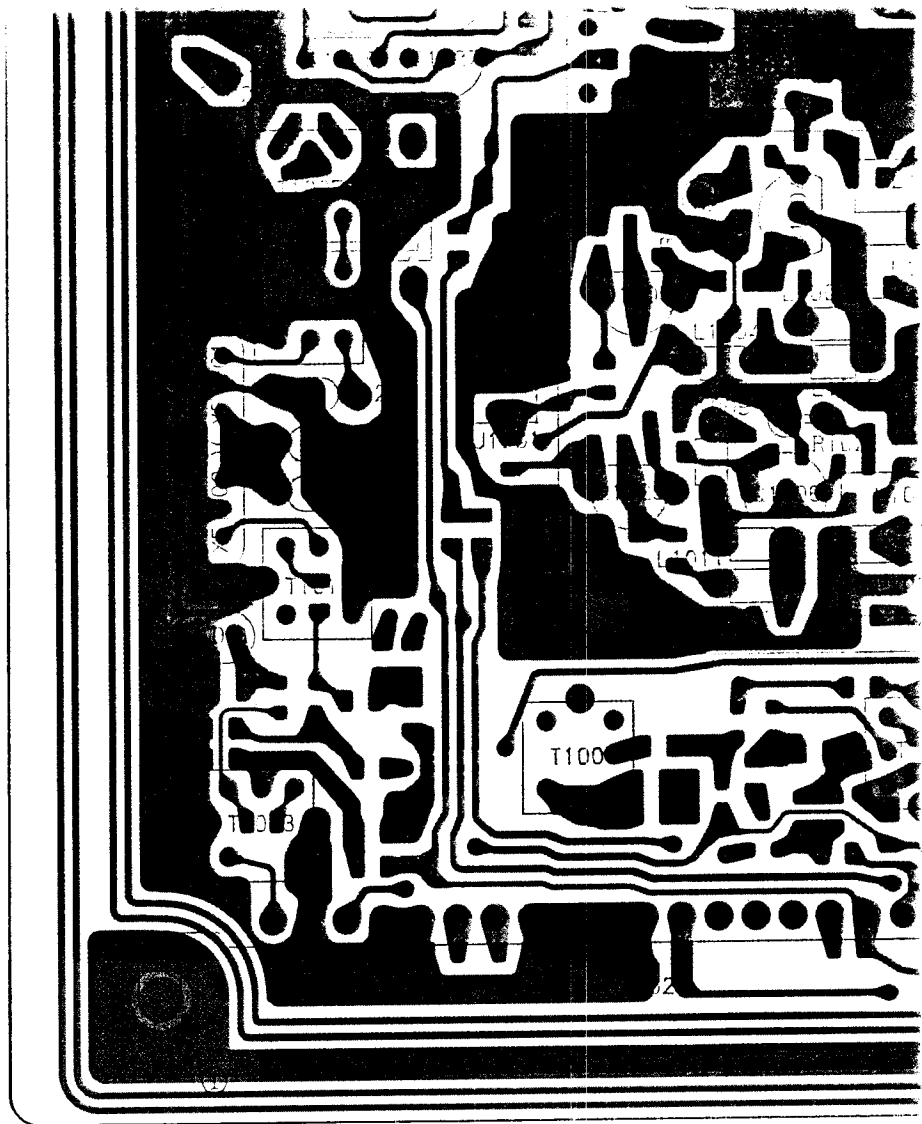




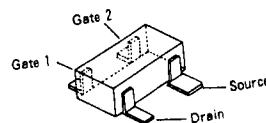


("component" side)





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 Email:- [enquiries@mauritron.co.uk](mailto:enquiries@mauritron.co.uk)

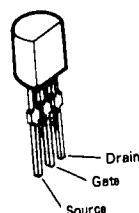


3SK131(V12)  
 (Q1002)  
 3SK179(V02)  
 (Q1013)

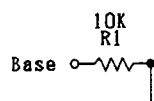
Collec

2SC2620  
 (Q1003)  
 2SC2712  
 (Q1011,

FA1A4P  
 (Q1015,



2SK125  
 (Q1007, 1008, 1009,  
 1010, 1026, 1027)



FA1A4P CI

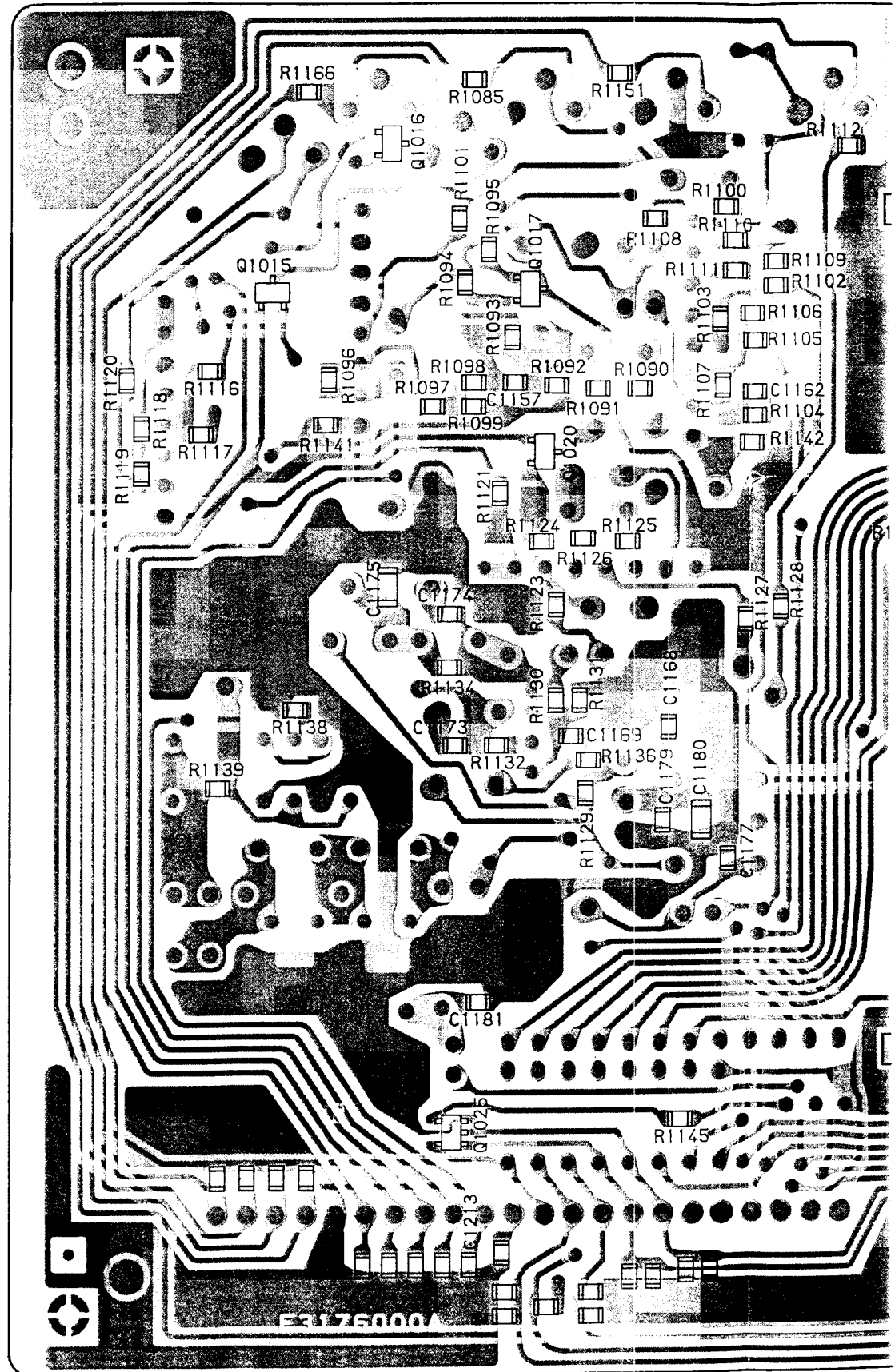


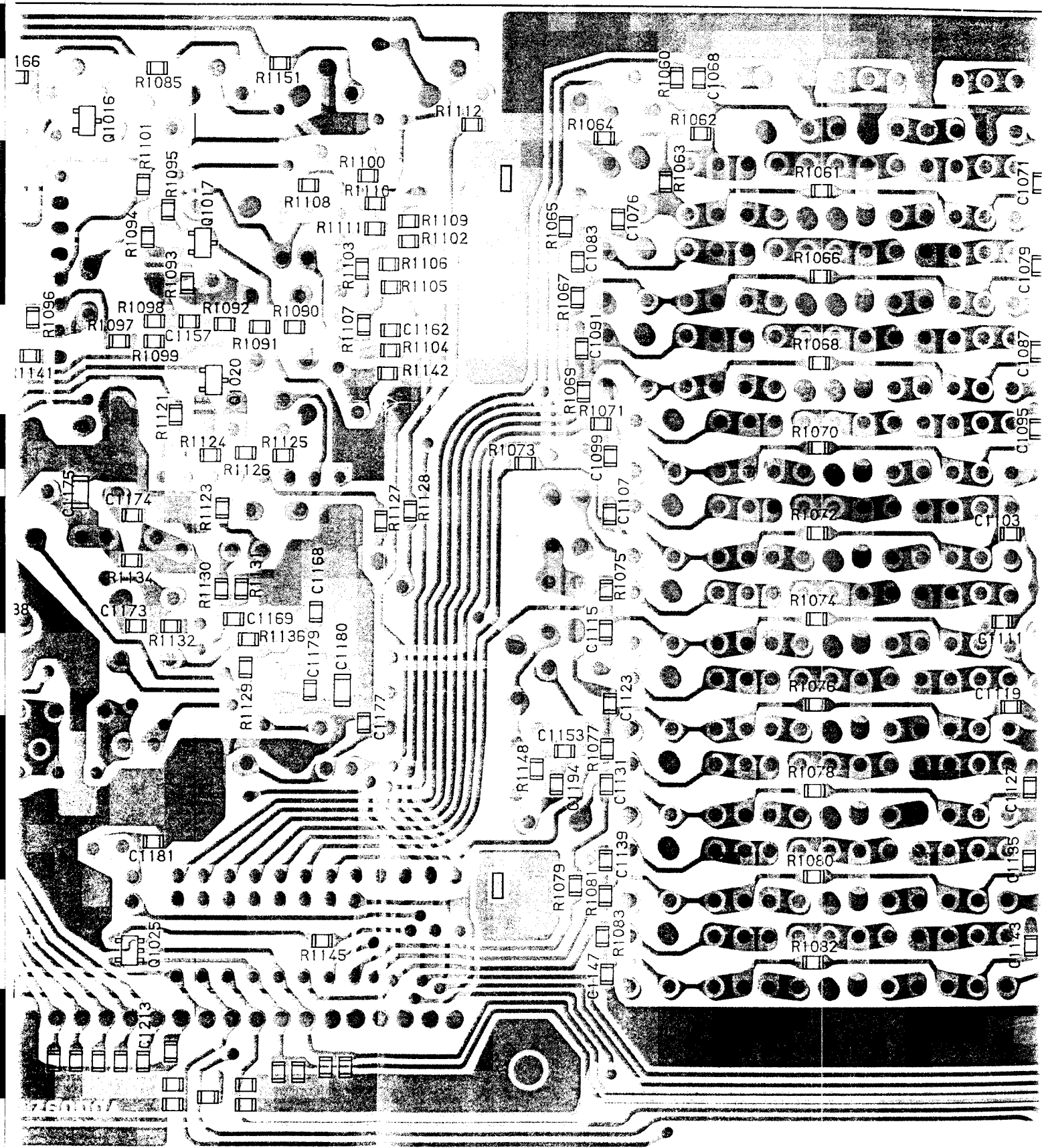


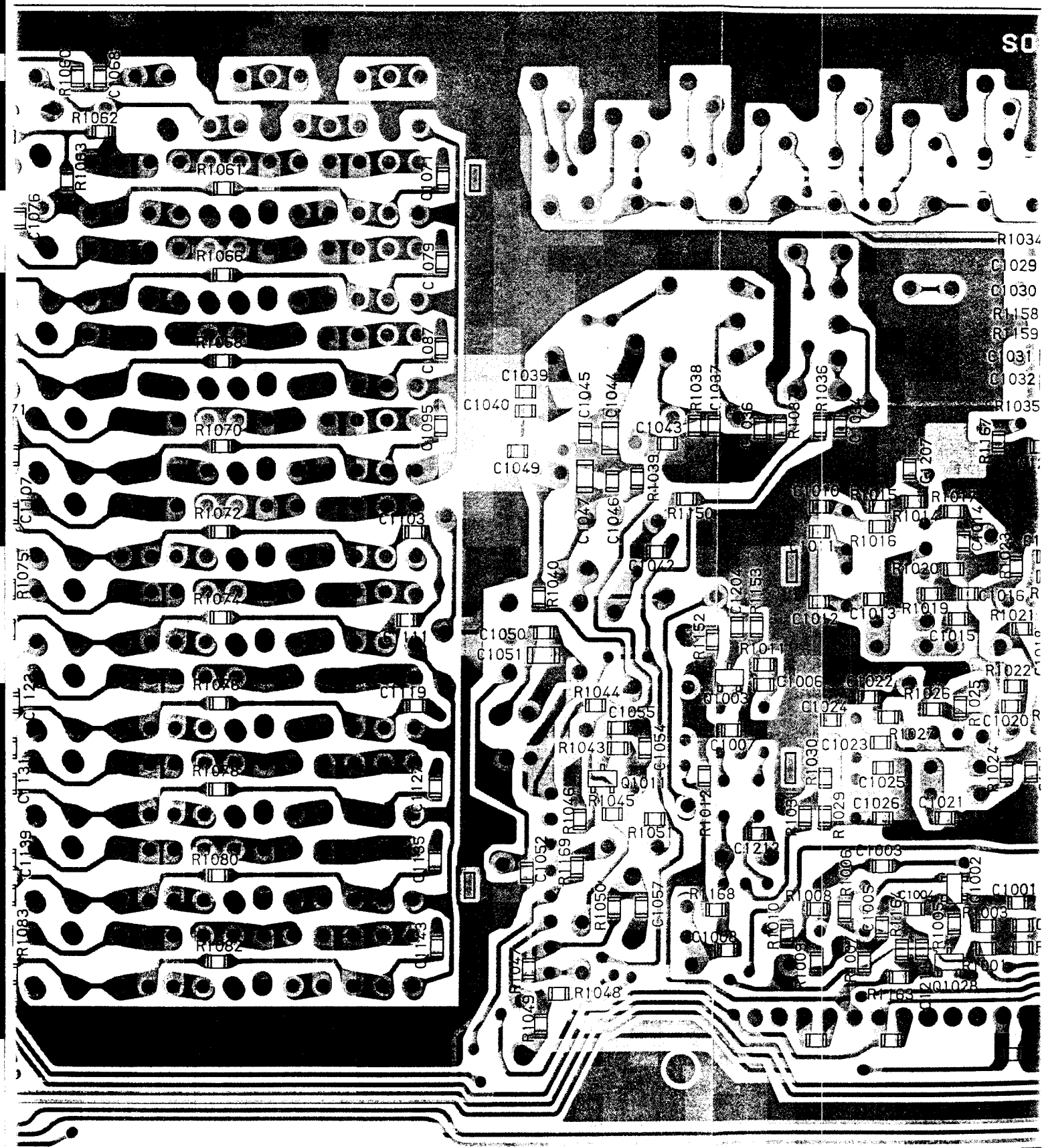


# RF Unit

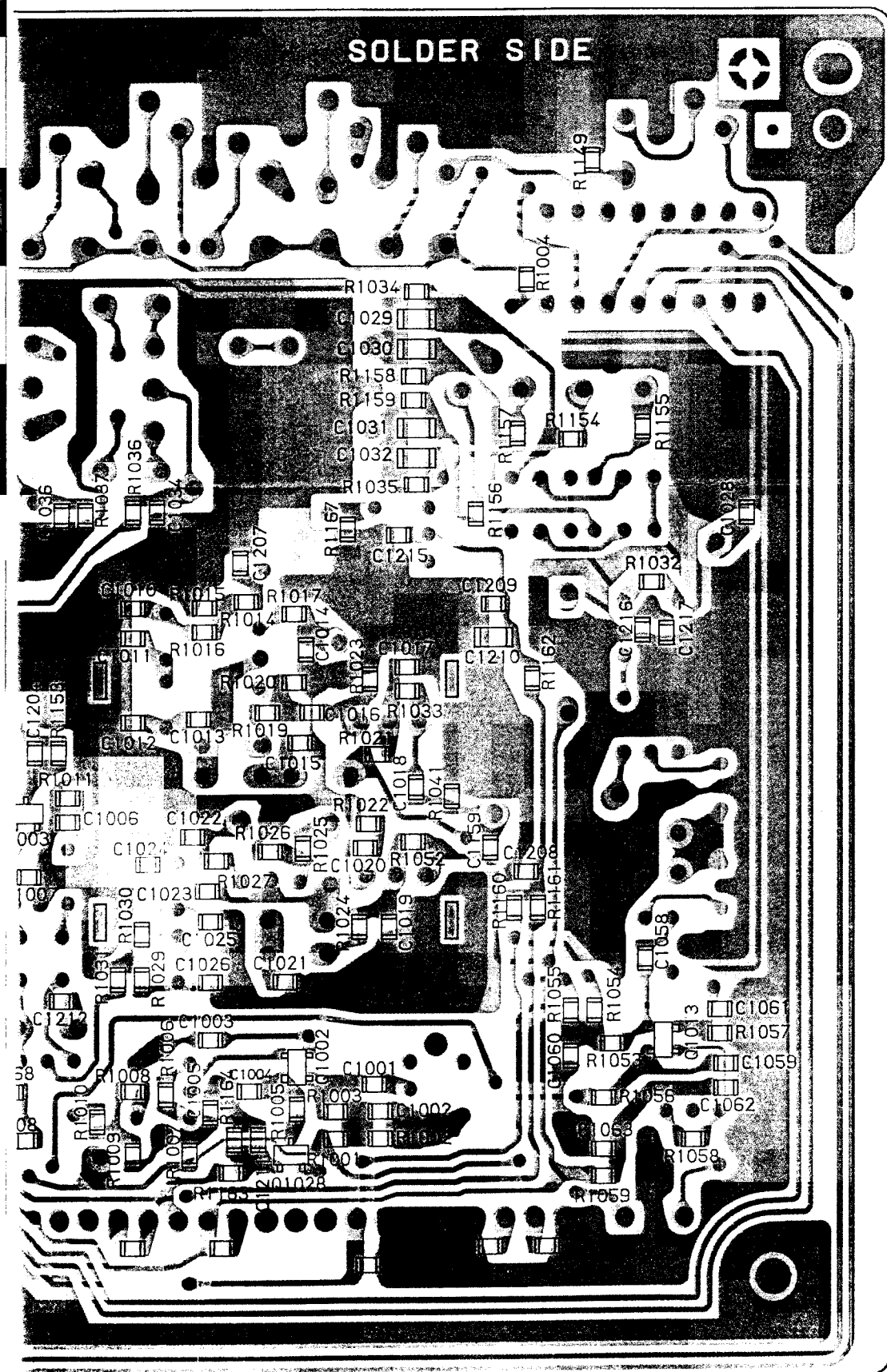
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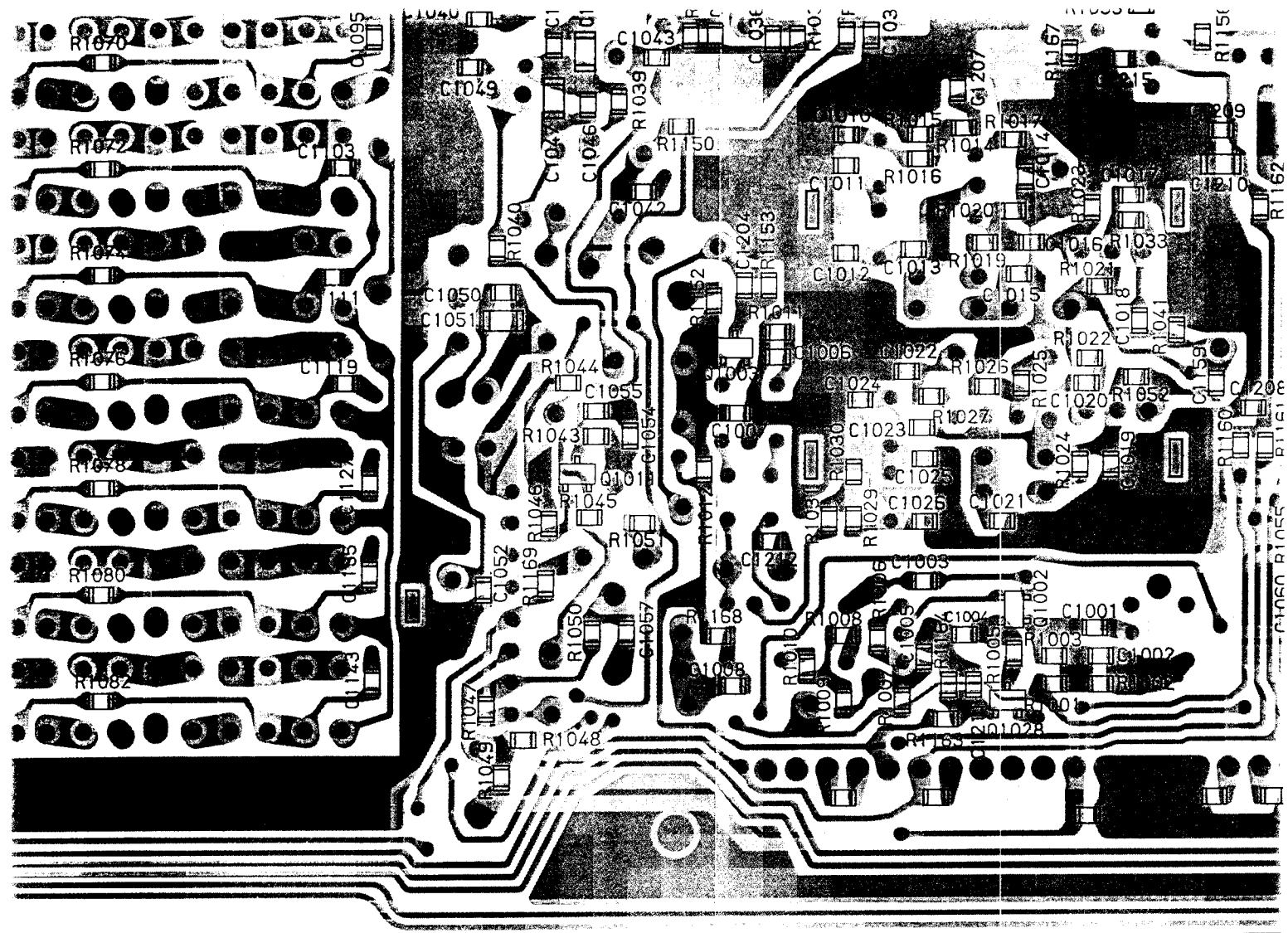


(“chip only” side)



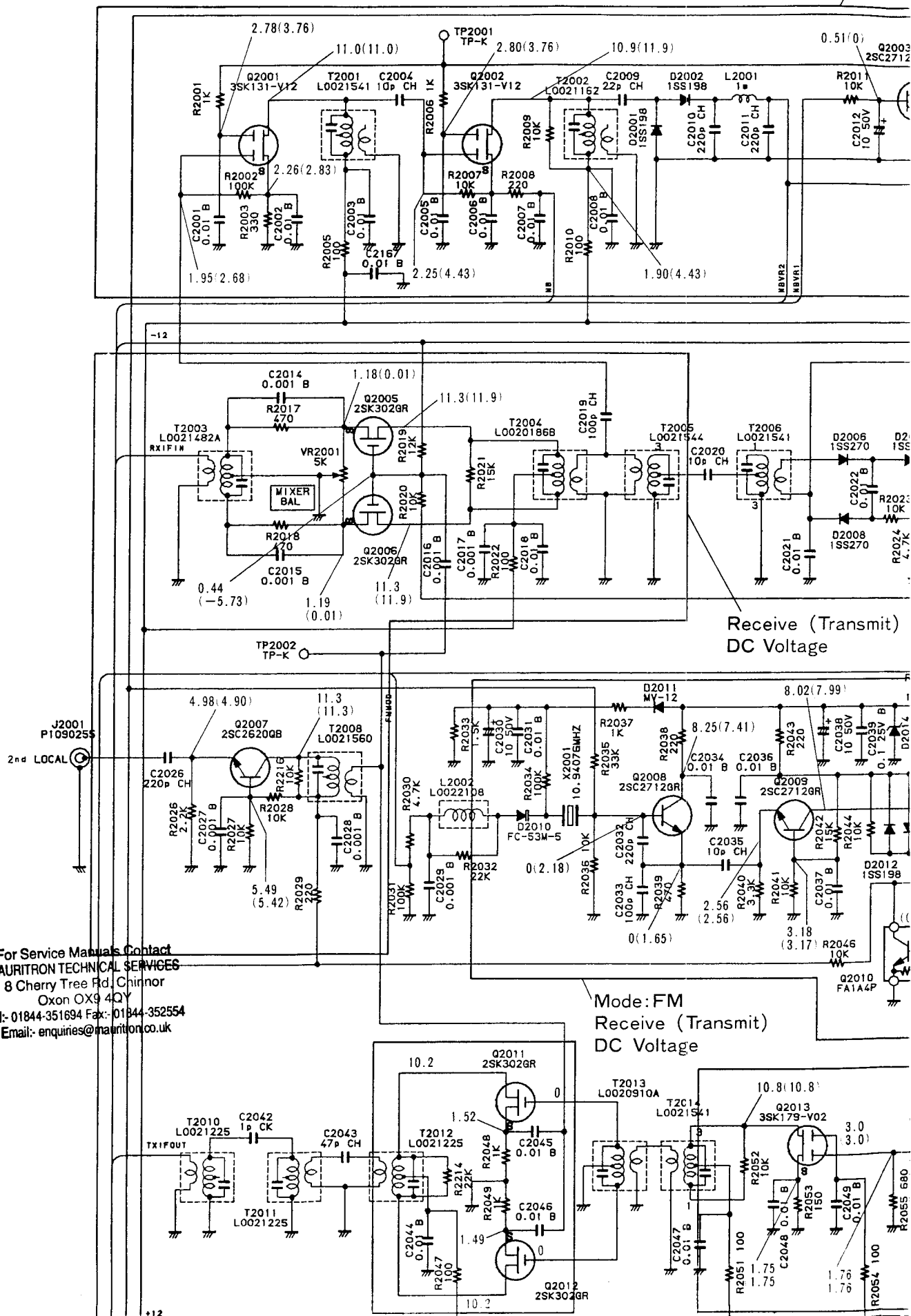




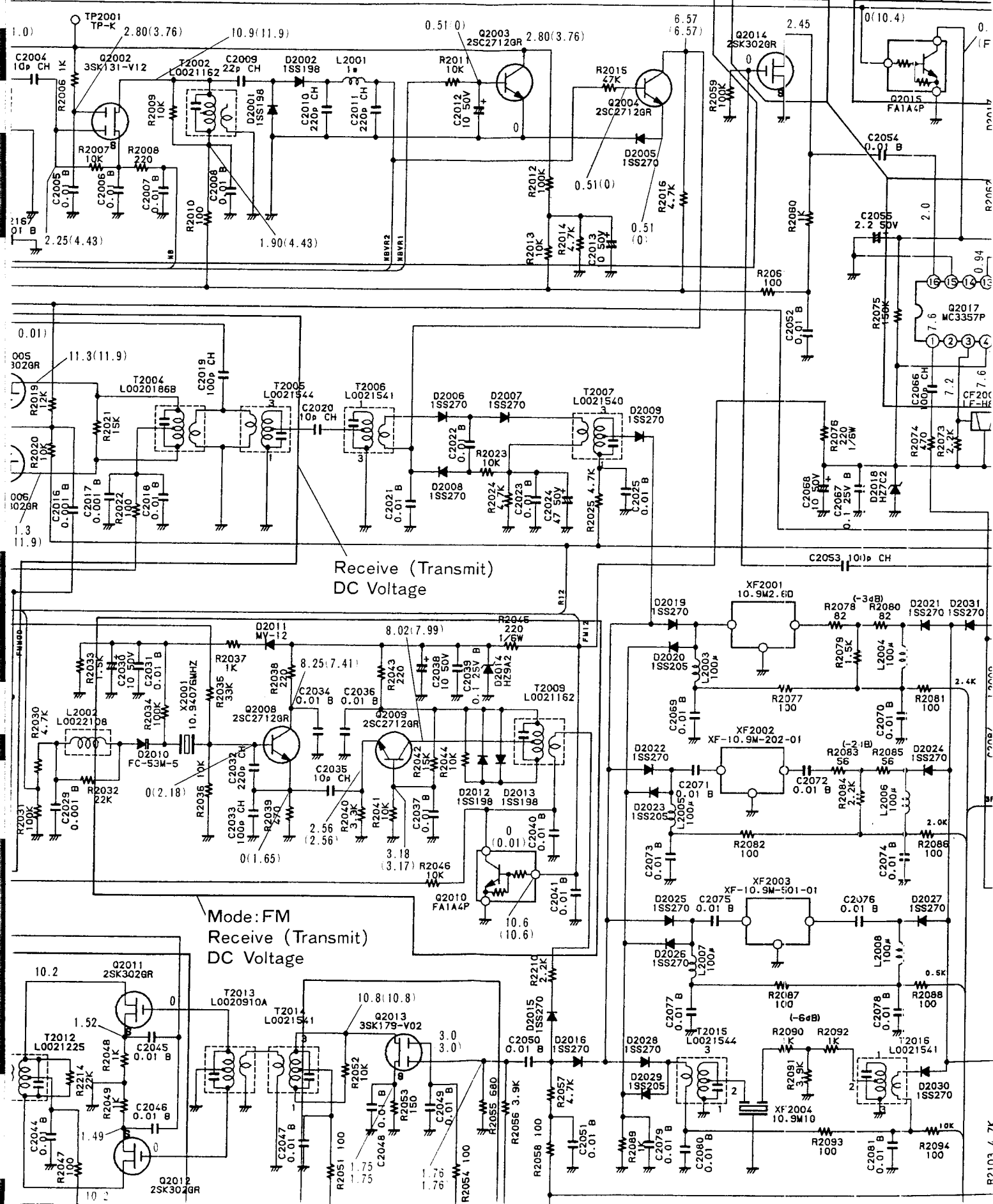




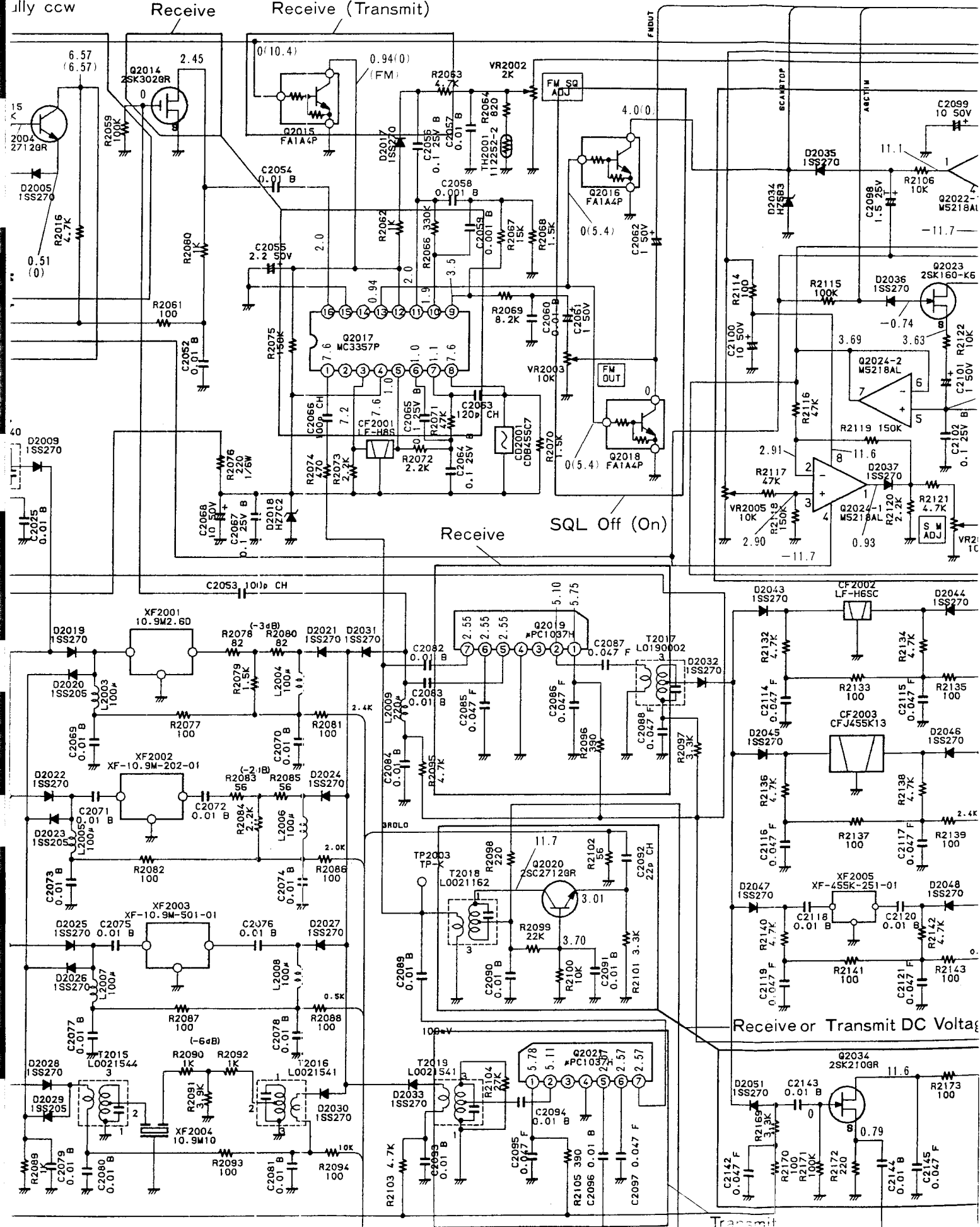
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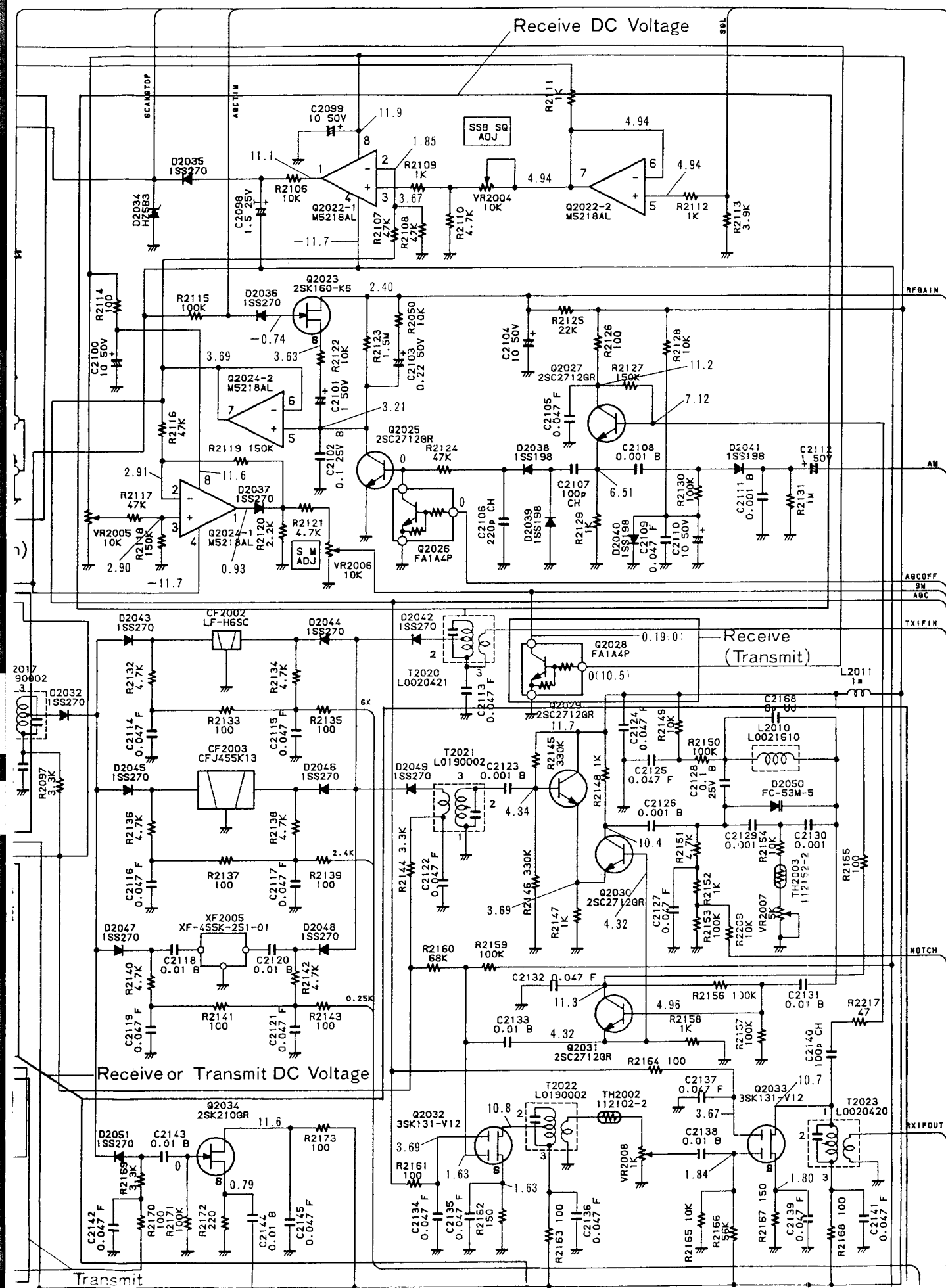
NB E  
NB C

Receive (Trans:

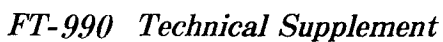


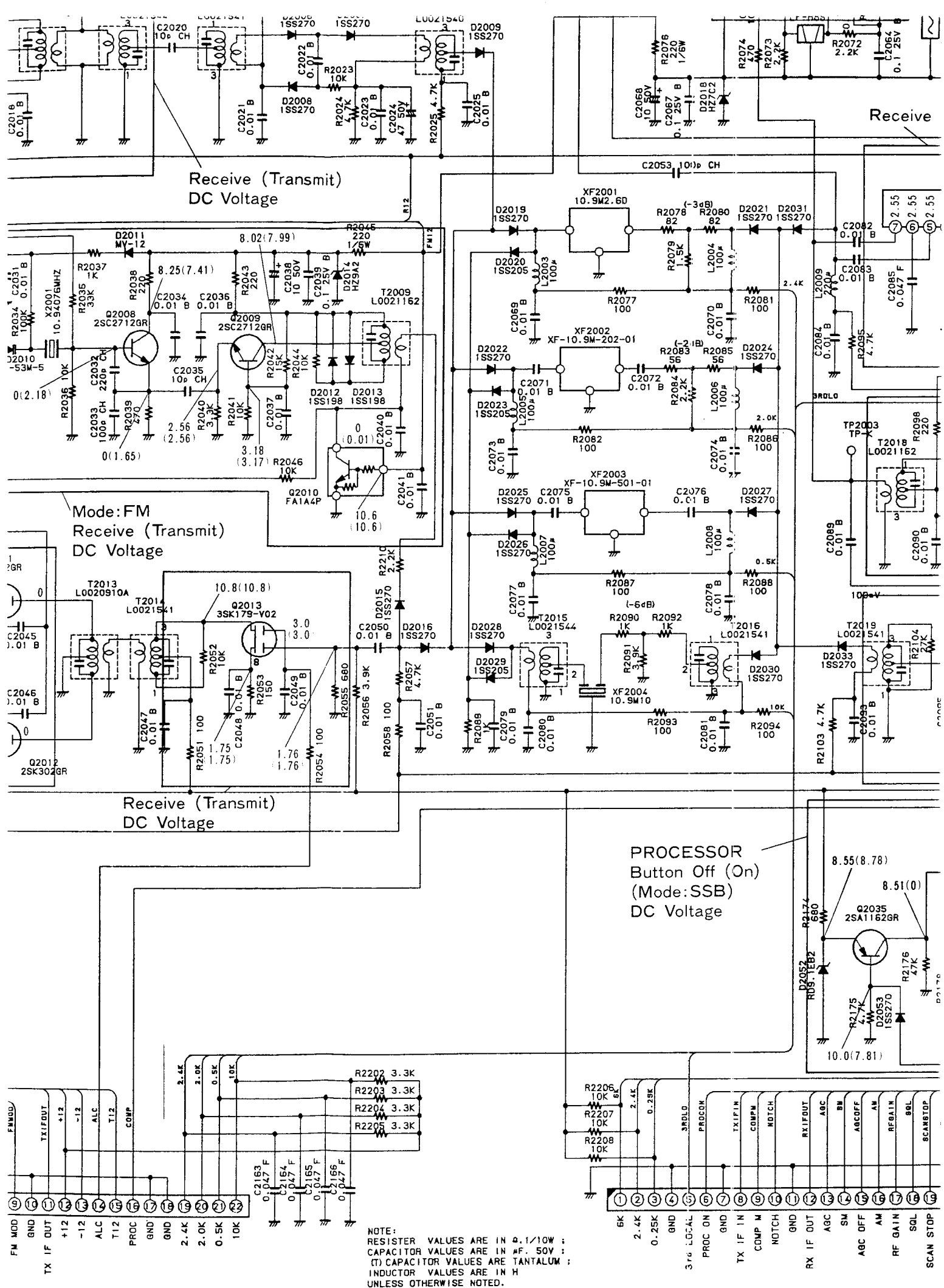
Receive (Transmit)



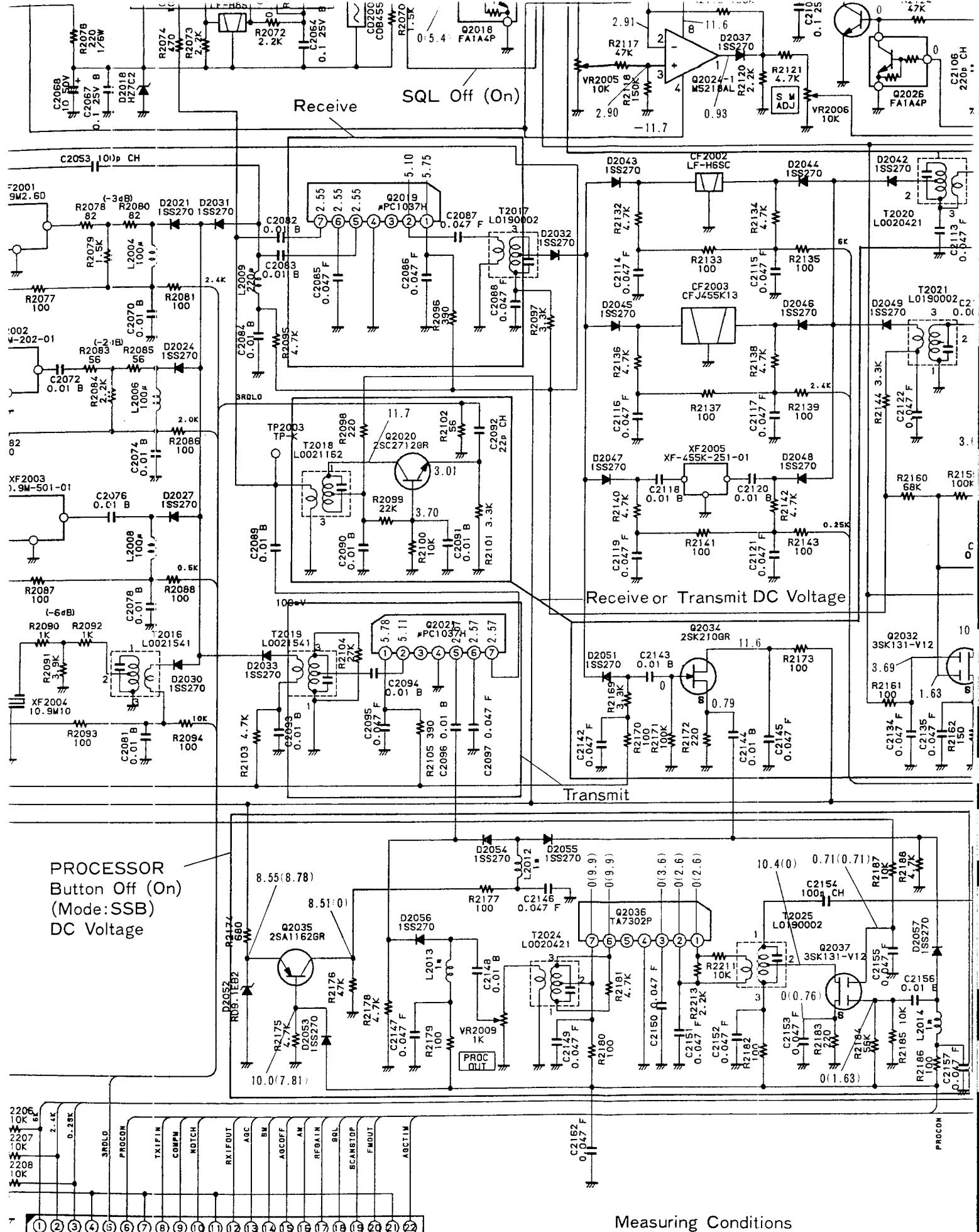






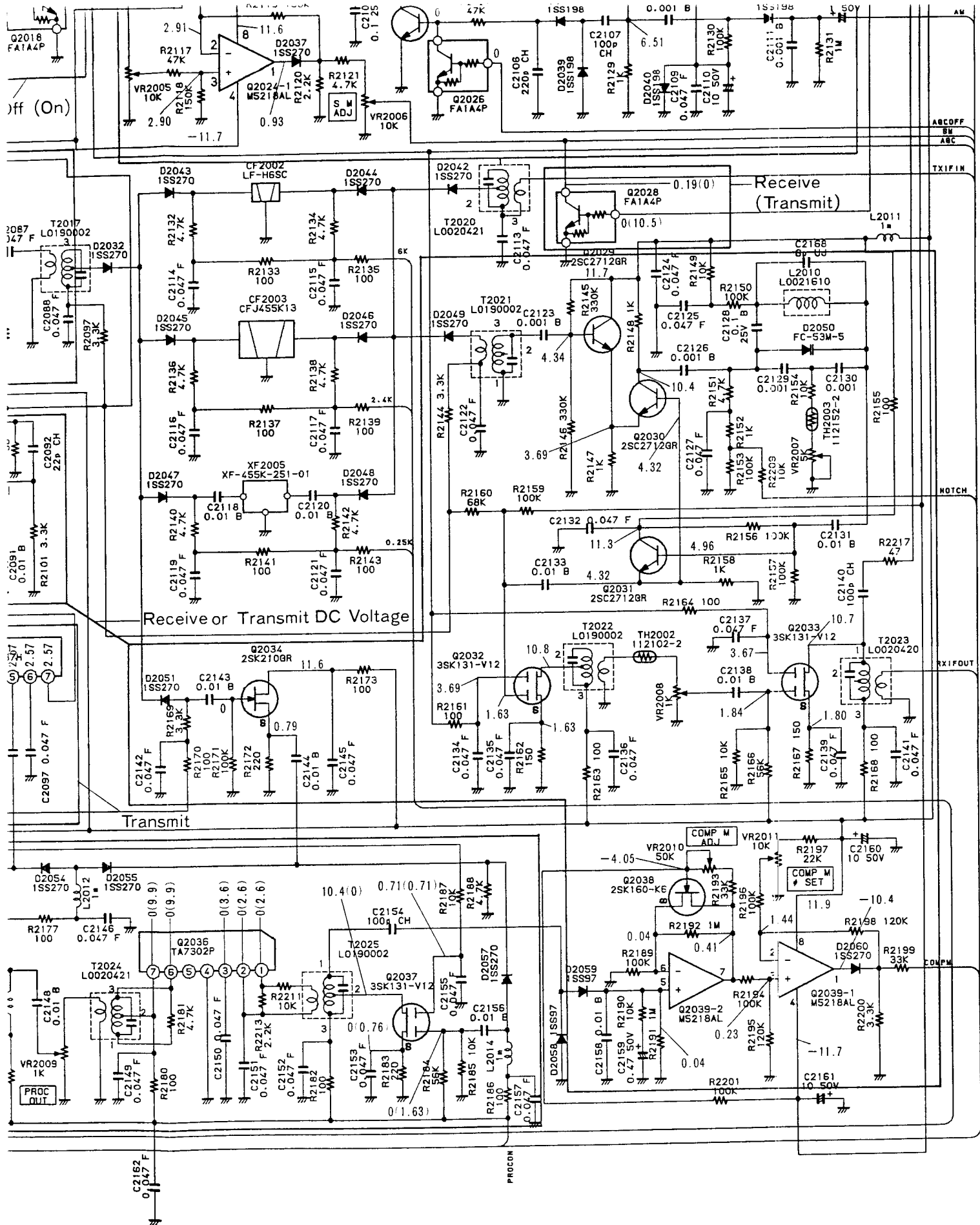


NOTE:  
RESISTOR VALUES ARE IN  $\Omega$ , 1/K $\Omega$  ;  
CAPACITOR VALUES ARE IN  $\mu$ F, 50V ;  
(T) CAPACITOR VALUES ARE TANTALUM ;  
INDUCTOR VALUES ARE IN H  
UNLESS OTHERWISE NOTED.



Measuring Conditions  
 Frequency: 14.3000MHz  
 Mode: CW  
 RF CONTROL: Fully cw  
 SQL CONTROL: Fully ccw

J2003  
 P0090741



Measuring Conditions  
 Frequency: 14.3000MHz  
 Mode: CW  
 RF CONTROL: Fully cw  
 SQL CONTROL: Fully ccw

IF UNIT

| REF.            | YAESU P/N | DESCRIPTION       | MFGR'S DESIG     | VALUE    | WV  | TOL. | VERS.   |
|-----------------|-----------|-------------------|------------------|----------|-----|------|---------|
| *** RF UNIT *** |           |                   |                  |          |     |      |         |
|                 | CA0224005 | P.C.B. W COMP.    |                  |          |     |      | DST EXP |
|                 | CA0224006 | P.C.B. W COMP.    |                  |          |     |      | DST USA |
|                 | CA0224007 | P.C.B. W COMP.    |                  |          |     |      | DST BEL |
|                 | CA0224008 | P.C.B. W COMP.    |                  |          |     |      | DST FRA |
|                 | CA0224009 | P.C.B. W COMP.    |                  |          |     |      | DST AUS |
|                 | F3176000A | P.C.B. W/O COMP.  |                  |          |     |      |         |
| C 1001          | K22170227 | CHIP CAP.         | GRM40CH470J50PT  | 47pF     | 50V | CH   |         |
| C 1002          | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF   | 50V | B    |         |
| C 1003          | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF   | 50V | B    |         |
| C 1004          | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF   | 50V | B    |         |
| C 1005          | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF   | 50V | B    |         |
| C 1006          | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF  | 50V | F    |         |
| C 1007          | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF   | 50V | B    |         |
| C 1008          | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF  | 50V | F    |         |
| C 1009          | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5   | 1uF      | 50V |      |         |
| C 1010          | K22170221 | CHIP CAP.         | GRM40CH270J50PT  | 27pF     | 50V | CH   |         |
| C 1011          | K22170229 | CHIP CAP.         | GRM40CH560J50PT  | 56pF     | 50V | CH   |         |
| C 1012          | K22170221 | CHIP CAP.         | GRM40CH270J50PT  | 27pF     | 50V | CH   |         |
| C 1013          | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF   | 50V | B    |         |
| C 1014          | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF   | 50V | B    |         |
| C 1015          | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF   | 50V | B    |         |
| C 1016          | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF   | 50V | B    |         |
| C 1017          | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF   | 50V | B    |         |
| C 1018          | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF   | 50V | B    |         |
| C 1019          | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF   | 50V | B    |         |
| C 1020          | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF   | 50V | B    |         |
| C 1021          | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF   | 50V | B    |         |
| C 1022          | K22170802 | CHIP CAP.         | GRM40B561M50PT   | 560pF    | 50V | B    |         |
| C 1023          | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF   | 50V | B    |         |
| C 1024          | K22170221 | CHIP CAP.         | GRM40CH270J50PT  | 27pF     | 50V | CH   |         |
| C 1025          | K22170229 | CHIP CAP.         | GRM40CH560J50PT  | 56pF     | 50V | CH   |         |
| C 1026          | K22170221 | CHIP CAP.         | GRM40CH270J50PT  | 27pF     | 50V | CH   |         |
| C 1027          | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5   | 10uF     | 50V |      |         |
| C 1028          | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF   | 50V | B    |         |
| C 1029          | K22172009 | CHIP CAP.         | GRM42-6F104Z50PT | 0.1uF    | 50V | F    |         |
| C 1030          | K22172009 | CHIP CAP.         | GRM42-6F104Z50PT | 0.1uF    | 50V | F    |         |
| C 1031          | K22172009 | CHIP CAP.         | GRM42-6F104Z50PT | 0.1uF    | 50V | F    |         |
| C 1032          | K22172009 | CHIP CAP.         | GRM42-6F104Z50PT | 0.1uF    | 50V | F    |         |
| C 1033          | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5   | 10uF     | 50V |      |         |
| C 1034          | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF  | 50V | F    |         |
| C 1035          | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5   | 10uF     | 50V |      |         |
| C 1036          | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF  | 50V | F    |         |
| C 1037          | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF  | 50V | F    |         |
| C 1038          | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5   | 10uF     | 50V |      |         |
| C 1039          | K22170805 | CHIP CAP.         | GRM40B102M50PT   | 0.001uF  | 50V | B    |         |
| C 1040          | K22170811 | CHIP CAP.         | GRM40B332M50PT   | 0.0033uF | 50V | B    |         |
| C 1041          | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5   | 10uF     | 50V |      |         |
| C 1042          | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF  | 50V | F    |         |
| C 1043          | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF   | 50V | B    |         |
| C 1044          | K22172009 | CHIP CAP.         | GRM42-6F104Z50PT | 0.1uF    | 50V | F    |         |
| C 1045          | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF   | 50V | B    |         |

# RF Unit

| REF.   | YAESU P/N | DESCRIPTION       | MFGR'S DESIG      | VALUE   | WV  | TOL. | VERS. |
|--------|-----------|-------------------|-------------------|---------|-----|------|-------|
| C 1046 | K22170817 | CHIP CAP.         | GRM40B103M50PT    | 0.01uF  | 50V | B    |       |
| C 1047 | K22172009 | CHIP CAP.         | GRM42-6F104Z50PT  | 0.1uF   | 50V | F    |       |
| C 1048 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF    | 50V |      |       |
| C 1049 | K22171008 | CHIP CAP.         | GRM40F473Z50PT    | 0.047uF | 50V | F    |       |
| C 1050 | K22170817 | CHIP CAP.         | GRM40B103M50PT    | 0.01uF  | 50V | B    |       |
| C 1051 | K22172009 | CHIP CAP.         | GRM42-6F104Z50PT  | 0.1uF   | 50V | F    |       |
| C 1052 | K22171008 | CHIP CAP.         | GRM40F473Z50PT    | 0.047uF | 50V | F    |       |
| C 1053 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF    | 50V |      |       |
| C 1054 | K22170817 | CHIP CAP.         | GRM40B103M50PT    | 0.01uF  | 50V | B    |       |
| C 1055 | K22170817 | CHIP CAP.         | GRM40B103M50PT    | 0.01uF  | 50V | B    |       |
| C 1056 | K46170014 | AL. ELECTRO. CAP. | 50VR22M5X11TR5    | 0.22uF  | 50V |      |       |
| C 1057 | K22170817 | CHIP CAP.         | GRM40B103M50PT    | 0.01uF  | 50V | B    |       |
| C 1058 | K22170235 | CHIP CAP.         | GRM40CH101J50PT   | 100pF   | 50V | CH   |       |
| C 1059 | K22171008 | CHIP CAP.         | GRM40F473Z50PT    | 0.047uF | 50V | F    |       |
| C 1060 | K22170817 | CHIP CAP.         | GRM40B103M50PT    | 0.01uF  | 50V | B    |       |
| C 1061 | K22170817 | CHIP CAP.         | GRM40B103M50PT    | 0.01uF  | 50V | B    |       |
| C 1062 | K22170805 | CHIP CAP.         | GRM40B102M50PT    | 0.001uF | 50V | B    |       |
| C 1063 | K22170817 | CHIP CAP.         | GRM40B103M50PT    | 0.01uF  | 50V | B    |       |
| C 1064 | K26170703 | CERAMIC CAP.      | UAU04X152K7L36VC  | 0.0015  | 50V | X    |       |
| C 1065 | K26170706 | CERAMIC CAP.      | UAU05X272K7L36VC  | 0.0027  | 50V | X    |       |
| C 1066 | K26170706 | CERAMIC CAP.      | UAU05X272K7L36VC  | 0.0027  | 50V | X    |       |
| C 1067 | K26170703 | CERAMIC CAP.      | UAU04X152K7L36VC  | 0.0015  | 50V | X    |       |
| C 1068 | K22171008 | CHIP CAP.         | GRM40F473Z50PT    | 0.047uF | 50V | F    |       |
| C 1069 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF    | 50V |      |       |
| C 1070 | K26171044 | CERAMIC CAP.      | DD109-979SL431J50 | 430p    | 50V | SL   |       |
| C 1071 | K22171008 | CHIP CAP.         | GRM40F473Z50PT    | 0.047uF | 50V | F    |       |
| C 1072 | K26170702 | CERAMIC CAP.      | UAU04X122K7L36VC  | 0.0012  | 50V | X    |       |
| C 1073 | K26171029 | CERAMIC CAP.      | DD105-979SL101J50 | 100pF   | 50V | SL   |       |
| C 1074 | K26170702 | CERAMIC CAP.      | UAU04X122K7L36VC  | 0.0012  | 50V | X    |       |
| C 1075 | K26171044 | CERAMIC CAP.      | DD109-979SL431J50 | 430p    | 50V | SL   |       |
| C 1076 | K22171008 | CHIP CAP.         | GRM40F473Z50PT    | 0.047uF | 50V | F    |       |
| C 1077 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF    | 50V |      |       |
| C 1078 | K26171044 | CERAMIC CAP.      | DD109-979SL431J50 | 430p    | 50V | SL   |       |
| C 1079 | K22171008 | CHIP CAP.         | GRM40F473Z50PT    | 0.047uF | 50V | F    |       |
| C 1080 | K26171035 | CERAMIC CAP.      | DD106-979SL181J50 | 180pF   | 50V | SL   |       |
| C 1081 | K26171040 | CERAMIC CAP.      | DD107-979SL301J50 | 300p    | 50V | SL   |       |
| C 1082 | K26171036 | CERAMIC CAP.      | DD106-979SL201J50 | 200p    | 50V | SL   |       |
| C 1083 | K22171008 | CHIP CAP.         | GRM40F473Z50PT    | 0.047uF | 50V | F    |       |
| C 1084 | K26171046 | CERAMIC CAP.      | DD109-979SL511J50 | 510p    | 50V | SL   |       |
| C 1085 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF    | 50V |      |       |
| C 1086 | K26171039 | CERAMIC CAP.      | DD107-979SL271J50 | 270pF   | 50V | SL   |       |
| C 1087 | K22171008 | CHIP CAP.         | GRM40F473Z50PT    | 0.047uF | 50V | F    |       |
| C 1088 | K26171029 | CERAMIC CAP.      | DD105-979SL101J50 | 100pF   | 50V | SL   |       |
| C 1089 | K26171036 | CERAMIC CAP.      | DD106-979SL201J50 | 200p    | 50V | SL   |       |
| C 1090 | K26171029 | CERAMIC CAP.      | DD105-979SL101J50 | 100pF   | 50V | SL   |       |
| C 1091 | K22171008 | CHIP CAP.         | GRM40F473Z50PT    | 0.047uF | 50V | F    |       |
| C 1092 | K26171041 | CERAMIC CAP.      | DD107-979SL331J50 | 330pF   | 50V | SL   |       |
| C 1093 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF    | 50V |      |       |
| C 1094 | K26171031 | CERAMIC CAP.      | DD105-979SL121J50 | 120pF   | 50V | SL   |       |
| C 1095 | K22170817 | CHIP CAP.         | GRM40B103M50PT    | 0.01uF  | 50V | B    |       |
| C 1096 | K26171027 | CERAMIC CAP.      | DD104-979SL820J50 | 82pF    | 50V | SL   |       |
| C 1097 | K26171043 | CERAMIC CAP.      | DD108-979SL391J50 | 390pF   | 50V | SL   |       |
| C 1098 | K26171027 | CERAMIC CAP.      | DD104-979SL820J50 | 82pF    | 50V | SL   |       |
| C 1099 | K22170817 | CHIP CAP.         | GRM40B103M50PT    | 0.01uF  | 50V | B    |       |
| C 1100 | K26171034 | CERAMIC CAP.      | DD106-979SL161J50 | 160p    | 50V | SL   |       |

For Service Manuals Contact  
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 Oxon OX9 4QY  
 Tel:- 01844-351694 Fax:- 01844-352554  
 Email:- enquiries@mauritron.co.uk

| REF.   | YAESU P/N | DESCRIPTION       | MFGR'S DESIG      | VALUE   | WV  | TOL. | VERS. |
|--------|-----------|-------------------|-------------------|---------|-----|------|-------|
| C 1101 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF    | 50V |      |       |
| C 1102 | K26171037 | CERAMIC CAP.      | DD107-979SL221J50 | 220pF   | 50V | SL   |       |
| C 1103 | K22170817 | CHIP CAP.         | GRM40B103M50PT    | 0.01uF  | 50V | B    |       |
| C 1104 | K26171016 | CERAMIC CAP.      | DD104-979SL300J50 | 30p     | 50V | SL   |       |
| C 1105 | K26171044 | CERAMIC CAP.      | DD109-979SL431J50 | 430p    | 50V | SL   |       |
| C 1106 | K26171016 | CERAMIC CAP.      | DD104-979SL300J50 | 30p     | 50V | SL   |       |
| C 1107 | K22170817 | CHIP CAP.         | GRM40B103M50PT    | 0.01uF  | 50V | B    |       |
| C 1108 | K26171038 | CERAMIC CAP.      | DD107-979SL241J50 | 240p    | 50V | SL   |       |
| C 1109 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF    | 50V |      |       |
| C 1110 | K26171032 | CERAMIC CAP.      | DD105-979SL131J50 | 130p    | 50V | SL   |       |
| C 1111 | K22170817 | CHIP CAP.         | GRM40B103M50PT    | 0.01uF  | 50V | B    |       |
| C 1112 | K26171017 | CERAMIC CAP.      | DD104-979SL330J50 | 33pF    | 50V | SL   |       |
| C 1113 | K26171042 | CERAMIC CAP.      | DD108-979SL361J50 | 360p    | 50V | SL   |       |
| C 1114 | K26171017 | CERAMIC CAP.      | DD104-979SL330J50 | 33pF    | 50V | SL   |       |
| C 1115 | K22170817 | CHIP CAP.         | GRM40B103M50PT    | 0.01uF  | 50V | B    |       |
| C 1116 | K26171032 | CERAMIC CAP.      | DD105-979SL131J50 | 130p    | 50V | SL   |       |
| C 1117 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF    | 50V |      |       |
| C 1118 | K26171033 | CERAMIC CAP.      | DD106-979SL151J50 | 150pF   | 50V | SL   |       |
| C 1119 | K22170817 | CHIP CAP.         | GRM40B103M50PT    | 0.01uF  | 50V | B    |       |
| C 1120 | K26171012 | CERAMIC CAP.      | DD104-979SL200J50 | 20p     | 50V | SL   |       |
| C 1121 | K26171041 | CERAMIC CAP.      | DD107-979SL331J50 | 330pF   | 50V | SL   |       |
| C 1122 | K26171012 | CERAMIC CAP.      | DD104-979SL200J50 | 20p     | 50V | SL   |       |
| C 1123 | K22170817 | CHIP CAP.         | GRM40B103M50PT    | 0.01uF  | 50V | B    |       |
| C 1124 | K26171030 | CERAMIC CAP.      | DD105-979SL111J50 | 110p    | 50V | SL   |       |
| C 1125 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF    | 50V |      |       |
| C 1126 | K26171028 | CERAMIC CAP.      | DD105-979SL910J50 | 91p     | 50V | SL   |       |
| C 1127 | K22170817 | CHIP CAP.         | GRM40B103M50PT    | 0.01uF  | 50V | B    |       |
| C 1128 | K26171009 | CERAMIC CAP.      | DD104-979SL150J50 | 15pF    | 50V | SL   |       |
| C 1129 | K26171039 | CERAMIC CAP.      | DD107-979SL271J50 | 270pF   | 50V | SL   |       |
| C 1130 | K26171009 | CERAMIC CAP.      | DD104-979SL150J50 | 15pF    | 50V | SL   |       |
| C 1131 | K22170817 | CHIP CAP.         | GRM40B103M50PT    | 0.01uF  | 50V | B    |       |
| C 1132 | K26171029 | CERAMIC CAP.      | DD105-979SL101J50 | 100pF   | 50V | SL   |       |
| C 1133 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF    | 50V |      |       |
| C 1134 | K26171023 | CERAMIC CAP.      | DD104-979SL560J50 | 56pF    | 50V | SL   |       |
| C 1135 | K22170817 | CHIP CAP.         | GRM40B103M50PT    | 0.01uF  | 50V | B    |       |
| C 1136 | K26171011 | CERAMIC CAP.      | DD104-979SL180J50 | 18pF    | 50V | SL   |       |
| C 1137 | K26171031 | CERAMIC CAP.      | DD105-979SL121J50 | 120pF   | 50V | SL   |       |
| C 1138 | K26171011 | CERAMIC CAP.      | DD104-979SL180J50 | 18pF    | 50V | SL   |       |
| C 1139 | K22170817 | CHIP CAP.         | GRM40B103M50PT    | 0.01uF  | 50V | B    |       |
| C 1140 | K26171021 | CERAMIC CAP.      | DD104-979SL470J50 | 47pF    | 50V | SL   |       |
| C 1141 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF    | 50V |      |       |
| C 1142 | K26171017 | CERAMIC CAP.      | DD104-979SL330J50 | 33pF    | 50V | SL   |       |
| C 1143 | K22170817 | CHIP CAP.         | GRM40B103M50PT    | 0.01uF  | 50V | B    |       |
| C 1144 | K26171003 | CERAMIC CAP.      | DD104-979SL080D50 | 8pF     | 50V | SL   |       |
| C 1145 | K26171029 | CERAMIC CAP.      | DD105-979SL101J50 | 100pF   | 50V | SL   |       |
| C 1146 | K26171003 | CERAMIC CAP.      | DD104-979SL080D50 | 8pF     | 50V | SL   |       |
| C 1147 | K22170817 | CHIP CAP.         | GRM40B103M50PT    | 0.01uF  | 50V | B    |       |
| C 1148 | K26171019 | CERAMIC CAP.      | DD104-979SL390J50 | 39pF    | 50V | SL   |       |
| C 1149 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF    | 50V |      |       |
| C 1150 | K26171039 | CERAMIC CAP.      | DD107-979SL271J50 | 270pF   | 50V | SL   |       |
| C 1151 | K26171039 | CERAMIC CAP.      | DD107-979SL271J50 | 270pF   | 50V | SL   |       |
| C 1152 | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5    | 1uF     | 50V |      |       |
| C 1153 | K22171008 | CHIP CAP.         | GRM40F473Z50PT    | 0.047uF | 50V | F    |       |
| C 1154 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF    | 50V |      |       |
| C 1155 | K46170013 | AL. ELECTRO. CAP. | 50VR10M5X11TR5    | 0.1uF   | 50V |      |       |

# RF Unit

| REF.   | YAESU P/N | DESCRIPTION       | MFGR'S DESIG      | VALUE   | WV  | TOL. | VERS. |
|--------|-----------|-------------------|-------------------|---------|-----|------|-------|
| C 1156 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF    | 50V |      |       |
| C 1157 | K22170817 | CHIP CAP.         | GRM40B103M50PT    | 0.01uF  | 50V | B    |       |
| C 1158 | K46170014 | AL. ELECTRO. CAP. | 50VR22M5X11TR5    | 0.22uF  | 50V |      |       |
| C 1159 | K22170817 | CHIP CAP.         | GRM40B103M50PT    | 0.01uF  | 50V | B    |       |
| C 1161 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF    | 50V |      |       |
| C 1162 | K22170805 | CHIP CAP.         | GRM40B102M50PT    | 0.001uF | 50V | B    |       |
| C 1164 | K46170014 | AL. ELECTRO. CAP. | 50VR22M5X11TR5    | 0.22uF  | 50V |      |       |
| C 1165 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF    | 50V |      |       |
| C 1167 | K46170016 | AL. ELECTRO. CAP. | 50VR47M5X11TR5    | 0.47uF  | 50V |      |       |
| C 1168 | K22171008 | CHIP CAP.         | GRM40F473Z50PT    | 0.047uF | 50V | F    |       |
| C 1169 | K22171008 | CHIP CAP.         | GRM40F473Z50PT    | 0.047uF | 50V | F    |       |
| C 1170 | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5    | 1uF     | 50V |      |       |
| C 1171 | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5    | 1uF     | 50V |      |       |
| C 1173 | K22171008 | CHIP CAP.         | GRM40F473Z50PT    | 0.047uF | 50V | F    |       |
| C 1174 | K22171008 | CHIP CAP.         | GRM40F473Z50PT    | 0.047uF | 50V | F    |       |
| C 1175 | K22172009 | CHIP CAP.         | GRM42-6F104Z50PT  | 0.1uF   | 50V | F    |       |
| C 1176 | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5    | 1uF     | 50V |      |       |
| C 1177 | K22171008 | CHIP CAP.         | GRM40F473Z50PT    | 0.047uF | 50V | F    |       |
| C 1178 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF    | 50V |      |       |
| C 1179 | K22170817 | CHIP CAP.         | GRM40B103M50PT    | 0.01uF  | 50V | B    |       |
| C 1180 | K22172009 | CHIP CAP.         | GRM42-6F104Z50PT  | 0.1uF   | 50V | F    |       |
| C 1181 | K22170817 | CHIP CAP.         | GRM40B103M50PT    | 0.01uF  | 50V | B    |       |
| C 1182 | K26171025 | CERAMIC CAP.      | DD104-979SL680J50 | 68pF    | 50V | SL   |       |
| C 1183 | K26171013 | CERAMIC CAP.      | DD104-979SL220J50 | 22pF    | 50V | SL   |       |
| C 1184 | K26171033 | CERAMIC CAP.      | DD106-979SL151J50 | 150pF   | 50V | SL   |       |
| C 1185 | K26171001 | CERAMIC CAP.      | DD104-979SL060D50 | 6pF     | 50V | SL   |       |
| C 1186 | K26171025 | CERAMIC CAP.      | DD104-979SL680J50 | 68pF    | 50V | SL   |       |
| C 1187 | K26170657 | CERAMIC CAP.      | DD106-979F103Z50  | 0.01uF  | 50V | F    |       |
| C 1188 | K26170727 | CERAMIC CAP.      | DD308-979F104Z50  | 0.1uF   | 50V | F    |       |
| C 1190 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF    | 50V |      |       |
| C 1191 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF    | 50V |      |       |
| C 1194 | K22171008 | CHIP CAP.         | GRM40F473Z50PT    | 0.047uF | 50V | F    |       |
| C 1195 | K26171048 | CERAMIC CAP.      | DD110-979SL621J50 | 620p    | 50V | SL   |       |
| C 1196 | K26171048 | CERAMIC CAP.      | DD110-979SL621J50 | 620p    | 50V | SL   |       |
| C 1197 | K26171045 | CERAMIC CAP.      | DD109-979SL471J50 | 470pF   | 50V | SL   |       |
| C 1199 | K26170098 | CERAMIC CAP.      | DD104-979SL030C50 | 3pF     | 50V | SL   |       |
| C 1200 | K26171013 | CERAMIC CAP.      | DD104-979SL220J50 | 22pF    | 50V | SL   |       |
| C 1201 | K26170100 | CERAMIC CAP.      | DD104-979SL050C50 | 5pF     | 50V | SL   |       |
| C 1203 | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5    | 1uF     | 50V |      |       |
| C 1204 | K22170817 | CHIP CAP.         | GRM40B103M50PT    | 0.01uF  | 50V | B    |       |
| C 1207 | K22170219 | CHIP CAP.         | GRM40CH220J50PT   | 22pF    | 50V | CH   |       |
| C 1208 | K22170817 | CHIP CAP.         | GRM40B103M50PT    | 0.01uF  | 50V | B    |       |
| C 1209 | K22170817 | CHIP CAP.         | GRM40B103M50PT    | 0.01uF  | 50V | B    |       |
| C 1210 | K22172009 | CHIP CAP.         | GRM42-6F104Z50PT  | 0.1uF   | 50V | F    |       |
| C 1211 | K22171008 | CHIP CAP.         | GRM40F473Z50PT    | 0.047uF | 50V | F    |       |
| C 1212 | K22170213 | CHIP CAP.         | GRM40CH120J50PT   | 12pF    | 50V | CH   |       |
| C 1213 | K22170817 | CHIP CAP.         | GRM40B103M50PT    | 0.01uF  | 50V | B    |       |
| C 1214 | K46170016 | AL. ELECTRO. CAP. | 50VR47M5X11TR5    | 0.47uF  | 50V |      |       |
| C 1215 | K22170805 | CHIP CAP.         | GRM40B102M50PT    | 0.001uF | 50V | B    |       |
| C 1216 | K22170805 | CHIP CAP.         | GRM40B102M50PT    | 0.001uF | 50V | B    |       |
| C 1217 | K22171008 | CHIP CAP.         | GRM40F473Z50PT    | 0.047uF | 50V | F    |       |
| D 1001 | G2060004  | DIODE             | 1SS270TJ          |         |     |      |       |
| D 1002 | G2060004  | DIODE             | 1SS270TJ          |         |     |      |       |
| D 1003 | G2060004  | DIODE             | 1SS270TJ          |         |     |      |       |

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Email: enquiries@mauratron.co.uk



| REF.   | YAESU P/N | DESCRIPTION | MFGR'S DESIG | VALUE | WV | TOL. | VERS. |
|--------|-----------|-------------|--------------|-------|----|------|-------|
| D 1004 | G2060004  | DIODE       | 1SS270TJ     |       |    |      |       |
| D 1005 | G2060004  | DIODE       | 1SS270TJ     |       |    |      |       |
| D 1006 | G2060004  | DIODE       | 1SS270TJ     |       |    |      |       |
| D 1007 | G2060004  | DIODE       | 1SS270TJ     |       |    |      |       |
| D 1008 | G2060004  | DIODE       | 1SS270TJ     |       |    |      |       |
| D 1009 | G2060004  | DIODE       | 1SS270TJ     |       |    |      |       |
| D 1012 | G2090200  | DIODE       | 1SV80        |       |    |      |       |
| D 1013 | G2090200  | DIODE       | 1SV80        |       |    |      |       |
| D 1014 | G2090200  | DIODE       | 1SV80        |       |    |      |       |
| D 1015 | G2050007  | DIODE       | 1SS83RE      |       |    |      |       |
| D 1016 | G2050007  | DIODE       | 1SS83RE      |       |    |      |       |
| D 1018 | G2060004  | DIODE       | 1SS270TJ     |       |    |      |       |
| D 1019 | G2050007  | DIODE       | 1SS83RE      |       |    |      |       |
| D 1020 | G2050007  | DIODE       | 1SS83RE      |       |    |      |       |
| D 1021 | G2050007  | DIODE       | 1SS83RE      |       |    |      |       |
| D 1022 | G2050007  | DIODE       | 1SS83RE      |       |    |      |       |
| D 1023 | G2050007  | DIODE       | 1SS83RE      |       |    |      |       |
| D 1024 | G2050007  | DIODE       | 1SS83RE      |       |    |      |       |
| D 1025 | G2050007  | DIODE       | 1SS83RE      |       |    |      |       |
| D 1026 | G2050007  | DIODE       | 1SS83RE      |       |    |      |       |
| D 1027 | G2050007  | DIODE       | 1SS83RE      |       |    |      |       |
| D 1028 | G2050007  | DIODE       | 1SS83RE      |       |    |      |       |
| D 1029 | G2050007  | DIODE       | 1SS83RE      |       |    |      |       |
| D 1030 | G2050007  | DIODE       | 1SS83RE      |       |    |      |       |
| D 1031 | G2050007  | DIODE       | 1SS83RE      |       |    |      |       |
| D 1032 | G2050007  | DIODE       | 1SS83RE      |       |    |      |       |
| D 1033 | G2050007  | DIODE       | 1SS83RE      |       |    |      |       |
| D 1034 | G2050007  | DIODE       | 1SS83RE      |       |    |      |       |
| D 1035 | G2050007  | DIODE       | 1SS83RE      |       |    |      |       |
| D 1036 | G2050007  | DIODE       | 1SS83RE      |       |    |      |       |
| D 1037 | G2050007  | DIODE       | 1SS83RE      |       |    |      |       |
| D 1038 | G2050007  | DIODE       | 1SS83RE      |       |    |      |       |
| D 1039 | G2050007  | DIODE       | 1SS83RE      |       |    |      |       |
| D 1040 | G2050007  | DIODE       | 1SS83RE      |       |    |      |       |
| D 1041 | G2050007  | DIODE       | 1SS83RE      |       |    |      |       |
| D 1042 | G2050007  | DIODE       | 1SS83RE      |       |    |      |       |
| D 1043 | G2050007  | DIODE       | 1SS83RE      |       |    |      |       |
| D 1044 | G2050007  | DIODE       | 1SS83RE      |       |    |      |       |
| D 1045 | G2050007  | DIODE       | 1SS83RE      |       |    |      |       |
| D 1046 | G2060004  | DIODE       | 1SS270TJ     |       |    |      |       |
| D 1049 | G2090199  | DIODE       | RD12EB2      |       |    |      |       |
| D 1050 | G2060006  | DIODE       | RD4. 7EB2-T1 |       |    |      |       |
| D 1051 | G2060004  | DIODE       | 1SS270TJ     |       |    |      |       |
| D 1052 | G2060004  | DIODE       | 1SS270TJ     |       |    |      |       |
| D 1053 | G2090199  | DIODE       | RD12EB2      |       |    |      |       |
| D 1055 | G2060004  | DIODE       | 1SS270TJ     |       |    |      |       |
| D 1056 | G2050007  | DIODE       | 1SS83RE      |       |    |      |       |
| D 1057 | G2090132  | DIODE       | 1SS55        |       |    |      |       |
| D 1058 | G2060004  | DIODE       | 1SS270TJ     |       |    |      |       |
| D 1060 | G2090015  | DIODE       | RD6. 2EB3    |       |    |      |       |
| D 1061 | G2090135  | DIODE       | ND487C2-3R   |       |    |      |       |
| D 1062 | G2060004  | DIODE       | 1SS270TJ     |       |    |      |       |
| D 1063 | G2090132  | DIODE       | 1SS55        |       |    |      |       |
| D 1064 | G2090118  | DIODE       | 1SS97        |       |    |      |       |
| D 1065 | G2060004  | DIODE       | 1SS270TJ     |       |    |      |       |

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# RF Unit

| REF.   | YAESU P/N | DESCRIPTION | MFGR'S DESIG    | VALUE | WV | TOL. | VERS. |
|--------|-----------|-------------|-----------------|-------|----|------|-------|
| D 1066 | G2060004  | DIODE       | 1SS270TJ        |       |    |      |       |
| D 1067 | G2090181  | DIODE       | HZ7B1L          |       |    |      |       |
| J 1001 | P1090255  | CONNECTOR   | TMP-J01X-A2     |       |    |      |       |
| J 1002 | P0090741  | CONNECTOR   | EC1C-22P-2.5DSA |       |    |      |       |
| J 1003 | P0090741  | CONNECTOR   | EC1C-22P-2.5DSA |       |    |      |       |
| J 1004 | P1090255  | CONNECTOR   | TMP-J01X-A2     |       |    |      |       |
| J 1005 | P1090255  | CONNECTOR   | TMP-J01X-A2     |       |    |      |       |
| L 1001 | L1790119  | M. RFC      | LAL03TA102K     | 1mH   |    |      |       |
| L 1002 | L0021409  | COIL        | 0.117U T25-12   |       |    |      |       |
| L 1003 | L0021409  | COIL        | 0.117U T25-12   |       |    |      |       |
| L 1004 | L1790058  | M. RFC      | LAP02TA100K     | 10uH  |    |      |       |
| L 1005 | L1790054  | M. RFC      | LAP02TA4R7K     | 4.7uH |    |      |       |
| L 1006 | L1790046  | M. RFC      | LAP02TA1R0K     | 1uH   |    |      |       |
| L 1007 | L1790119  | M. RFC      | LAL03TA102K     | 1mH   |    |      |       |
| L 1009 | L1790046  | M. RFC      | LAP02TA1R0K     | 1uH   |    |      |       |
| L 1010 | L1790058  | M. RFC      | LAP02TA100K     | 10uH  |    |      |       |
| L 1011 | L1790054  | M. RFC      | LAP02TA4R7K     | 4.7uH |    |      |       |
| L 1012 | L0021409  | COIL        | 0.117U T25-12   |       |    |      |       |
| L 1013 | L0021409  | COIL        | 0.117U T25-12   |       |    |      |       |
| L 1014 | L1790055  | M. RFC      | LAP02TA5R6K     | 5.6uH |    |      |       |
| L 1015 | L1790055  | M. RFC      | LAP02TA5R6K     | 5.6uH |    |      |       |
| L 1016 | L1790119  | M. RFC      | LAL03TA102K     | 1mH   |    |      |       |
| L 1017 | L1790119  | M. RFC      | LAL03TA102K     | 1mH   |    |      |       |
| L 1018 | L1790119  | M. RFC      | LAL03TA102K     | 1mH   |    |      |       |
| L 1019 | L1790119  | M. RFC      | LAL03TA102K     | 1mH   |    |      |       |
| L 1020 | L1790069  | M. RFC      | LAP02TA820K     | 82uH  |    |      |       |
| L 1021 | L1790070  | M. RFC      | LAP02TA101K     | 100uH |    |      |       |
| L 1022 | L1790069  | M. RFC      | LAP02TA820K     | 82uH  |    |      |       |
| L 1023 | L1790119  | M. RFC      | LAL03TA102K     | 1mH   |    |      |       |
| L 1024 | L1790068  | M. RFC      | LAP02TA680K     | 68uH  |    |      |       |
| L 1025 | L1790063  | M. RFC      | LAP02TA270K     | 27uH  |    |      |       |
| L 1026 | L1790065  | M. RFC      | LAP02TA390K     | 39uH  |    |      |       |
| L 1027 | L1790063  | M. RFC      | LAP02TA270K     | 27uH  |    |      |       |
| L 1028 | L1790068  | M. RFC      | LAP02TA680K     | 68uH  |    |      |       |
| L 1029 | L1790119  | M. RFC      | LAL03TA102K     | 1mH   |    |      |       |
| L 1030 | L1790058  | M. RFC      | LAP02TA100K     | 10uH  |    |      |       |
| L 1031 | L1790063  | M. RFC      | LAP02TA270K     | 27uH  |    |      |       |
| L 1032 | L1790055  | M. RFC      | LAP02TA5R6K     | 5.6uH |    |      |       |
| L 1033 | L1790063  | M. RFC      | LAP02TA270K     | 27uH  |    |      |       |
| L 1034 | L1790058  | M. RFC      | LAP02TA100K     | 10uH  |    |      |       |
| L 1035 | L1790056  | M. RFC      | LAP02TA6R8K     | 6.8uH |    |      |       |
| L 1036 | L1790062  | M. RFC      | LAP02TA220K     | 22uH  |    |      |       |
| L 1037 | L1790052  | M. RFC      | LAP02TA3R3K     | 3.3uH |    |      |       |
| L 1038 | L1790062  | M. RFC      | LAP02TA220K     | 22uH  |    |      |       |
| L 1039 | L1790056  | M. RFC      | LAP02TA6R8K     | 6.8uH |    |      |       |
| L 1040 | L1790055  | M. RFC      | LAP02TA5R6K     | 5.6uH |    |      |       |
| L 1041 | L1790059  | M. RFC      | LAP02TA120K     | 12uH  |    |      |       |
| L 1042 | L1790051  | M. RFC      | LAP02TA2R7K     | 2.7u  |    |      |       |
| L 1043 | L1790059  | M. RFC      | LAP02TA120K     | 12uH  |    |      |       |
| L 1044 | L1790055  | M. RFC      | LAP02TA5R6K     | 5.6uH |    |      |       |
| L 1045 | L1790049  | M. RFC      | LAP02TA1R8K     | 1.8u  |    |      |       |
| L 1046 | L1790060  | M. RFC      | LAP02TA150K     | 15uH  |    |      |       |
| L 1047 | L1790047  | M. RFC      | LAP02TA1R2K     | 1.2u  |    |      |       |

| REF.   | YAESU P/N | DESCRIPTION | MFGR'S DESIG     | VALUE  | WV | TOL. | VERS. |
|--------|-----------|-------------|------------------|--------|----|------|-------|
| L 1048 | L1790060  | M. RFC      | LAP02TA150K      | 15uH   |    |      |       |
| L 1049 | L1790049  | M. RFC      | LAP02TA1R8K      | 1.8u   |    |      |       |
| L 1050 | L1790049  | M. RFC      | LAP02TA1R8K      | 1.8u   |    |      |       |
| L 1051 | L1790058  | M. RFC      | LAP02TA100K      | 10uH   |    |      |       |
| L 1052 | L1790046  | M. RFC      | LAP02TA1R0K      | 1uH    |    |      |       |
| L 1053 | L1790058  | M. RFC      | LAP02TA100K      | 10uH   |    |      |       |
| L 1054 | L1790049  | M. RFC      | LAP02TA1R8K      | 1.8u   |    |      |       |
| L 1055 | L1790047  | M. RFC      | LAP02TA1R2K      | 1.2u   |    |      |       |
| L 1056 | L1790058  | M. RFC      | LAP02TA100K      | 10uH   |    |      |       |
| L 1057 | L1790044  | M. RFC      | LAP02TAR68K      | 0.68uH |    |      |       |
| L 1058 | L1790058  | M. RFC      | LAP02TA100K      | 10uH   |    |      |       |
| L 1059 | L1790047  | M. RFC      | LAP02TA1R2K      | 1.2u   |    |      |       |
| L 1060 | L1790046  | M. RFC      | LAP02TA1R0K      | 1uH    |    |      |       |
| L 1061 | L1790057  | M. RFC      | LAP02TA8R2K      | 8.2uH  |    |      |       |
| L 1062 | L1790043  | M. RFC      | LAP02TAR56K      | 0.56uH |    |      |       |
| L 1063 | L1790057  | M. RFC      | LAP02TA8R2K      | 8.2uH  |    |      |       |
| L 1064 | L1790046  | M. RFC      | LAP02TA1R0K      | 1uH    |    |      |       |
| L 1065 | L1790046  | M. RFC      | LAP02TA1R0K      | 1uH    |    |      |       |
| L 1066 | L1790053  | M. RFC      | LAP02TA3R9K      | 3.9uH  |    |      |       |
| L 1067 | L1790043  | M. RFC      | LAP02TAR56K      | 0.56uH |    |      |       |
| L 1068 | L1790053  | M. RFC      | LAP02TA3R9K      | 3.9uH  |    |      |       |
| L 1069 | L1790046  | M. RFC      | LAP02TA1R0K      | 1uH    |    |      |       |
| L 1070 | L1790043  | M. RFC      | LAP02TAR56K      | 0.56uH |    |      |       |
| L 1071 | L1790052  | M. RFC      | LAP02TA3R3K      | 3.3uH  |    |      |       |
| L 1072 | L1790041  | M. RFC      | LAP02TAR39K      | 0.39uH |    |      |       |
| L 1073 | L1790052  | M. RFC      | LAP02TA3R3K      | 3.3uH  |    |      |       |
| L 1074 | L1790043  | M. RFC      | LAP02TAR56K      | 0.56uH |    |      |       |
| L 1075 | L1790060  | M. RFC      | LAP02TA150K      | 15uH   |    |      |       |
| L 1077 | L1790064  | M. RFC      | LAP02TA330K      | 33uH   |    |      |       |
| L 1078 | L1790064  | M. RFC      | LAP02TA330K      | 33uH   |    |      |       |
| L 1080 | L1790055  | M. RFC      | LAP02TA5R6K      | 5.6uH  |    |      |       |
| L 1081 | L1790067  | M. RFC      | LAP02TA560K      | 56uH   |    |      |       |
| L 1082 | L1790070  | M. RFC      | LAP02TA101K      | 100uH  |    |      |       |
| L 1084 | L1790119  | M. RFC      | LAL03TA102K      | 1mH    |    |      |       |
| L 1085 | L0021222  | COIL        | 0.240U T25-6     |        |    |      |       |
| L 1086 | L0020927  | COIL        | 0.280U T25-6     |        |    |      |       |
| L 1087 | L1190227  | M. RFC      | LAL03NA561K      | 560uH  |    |      |       |
| L 1089 | L0021821A | COIL        | 6.5T3.5D0.6UEW R |        |    |      |       |
| L 1090 | L1790119  | M. RFC      | LAL03TA102K      | 1mH    |    |      |       |
| L 1091 | L1790038  | M. RFC      | LAP02TAR22K      | 0.22uH |    |      |       |
| Q 1001 | G1090088  | IC          | MC14028BCP       |        |    |      |       |
| Q 1002 | G4801317B | FET         | 3SK131-T2B V12   |        |    |      |       |
| Q 1003 | G3326207B | TRANSISTOR  | 2SC2620QBTR      |        |    |      |       |
| Q 1004 | G3320530  | TRANSISTOR  | 2SC2053          |        |    |      |       |
| Q 1005 | G3305354B | TRANSISTOR  | 2SC535BTZ        |        |    |      |       |
| Q 1006 | G3320530  | TRANSISTOR  | 2SC2053          |        |    |      |       |
| Q 1007 | G3801250  | FET         | 2SK125           |        |    |      |       |
| Q 1008 | G3801250  | FET         | 2SK125           |        |    |      |       |
| Q 1009 | G3801250  | FET         | 2SK125           |        |    |      |       |
| Q 1010 | G3801250  | FET         | 2SK125           |        |    |      |       |
| Q 1011 | G3327127G | TRANSISTOR  | 2SC2712GR TE85R  |        |    |      |       |
| Q 1012 | G1091140  | IC          | M5218AL          |        |    |      |       |
| Q 1013 | G4801797L | FET         | 3SK179-T2 V02    |        |    |      |       |
| Q 1014 | G1091140  | IC          | M5218AL          |        |    |      |       |

# RF Unit

| REF.   | YAESU P/N | DESCRIPTION      | MFGR'S DESIG    | VALUE | WV    | TOL. | VERS. |
|--------|-----------|------------------|-----------------|-------|-------|------|-------|
| Q 1015 | G3070006  | TRANSISTOR       | FA1A4P-T2B      |       |       |      |       |
| Q 1016 | G3070006  | TRANSISTOR       | FA1A4P-T2B      |       |       |      |       |
| Q 1017 | G3327127G | TRANSISTOR       | 2SC2712GR TE85R |       |       |      |       |
| Q 1018 | G1091140  | IC               | M5218AL         |       |       |      |       |
| Q 1019 | G1091140  | IC               | M5218AL         |       |       |      |       |
| Q 1020 | G3070006  | TRANSISTOR       | FA1A4P-T2B      |       |       |      |       |
| Q 1021 | G1091140  | IC               | M5218AL         |       |       |      |       |
| Q 1022 | G3324071  | TRANSISTOR       | 2SC2407 (A)     |       |       |      |       |
| Q 1023 | G1090395  | IC               | SN74LS145N      |       |       |      |       |
| Q 1024 | G3304580B | TRANSISTOR       | 2SC458B         |       |       |      |       |
| Q 1025 | G1090895  | IC               | TC4S81F TE85R   |       |       |      |       |
| Q 1026 | G3801250  | FET              | 2SK125          |       |       |      |       |
| Q 1027 | G3801250  | FET              | 2SK125          |       |       |      |       |
| Q 1028 | G3327127G | TRANSISTOR       | 2SC2712GR TE85R |       |       |      |       |
| Q 1029 | G3305354B | TRANSISTOR       | 2SC535BTZ       |       |       |      |       |
| R 1001 | J24205473 | CHIP RES.        | RMC1/10T 473J   | 47K   | 1/10W |      |       |
| R 1002 | J24205123 | CHIP RES.        | RMC1/10T 123J   | 12K   | 1/10W |      |       |
| R 1003 | J24205473 | CHIP RES.        | RMC1/10T 473J   | 47K   | 1/10W |      |       |
| R 1004 | J24205103 | CHIP RES.        | RMC1/10T 103J   | 10K   | 1/10W |      |       |
| R 1005 | J24205221 | CHIP RES.        | RMC1/10T 221J   | 220   | 1/10W |      |       |
| R 1006 | J24205103 | CHIP RES.        | RMC1/10T 103J   | 10K   | 1/10W |      |       |
| R 1007 | J24205101 | CHIP RES.        | RMC1/10T 101J   | 100   | 1/10W |      |       |
| R 1008 | J24205150 | CHIP RES.        | RMC1/10T 150J   | 15    | 1/10W |      |       |
| R 1009 | J24205680 | CHIP RES.        | RMC1/10T 680J   | 68    | 1/10W |      |       |
| R 1010 | J24205150 | CHIP RES.        | RMC1/10T 150J   | 15    | 1/10W |      |       |
| R 1011 | J24205221 | CHIP RES.        | RMC1/10T 221J   | 220   | 1/10W |      |       |
| R 1012 | J24205223 | CHIP RES.        | RMC1/10T 223J   | 22K   | 1/10W |      |       |
| R 1014 | J24205829 | CHIP RES.        | RMC1/10T 8R2J   | 8.2   | 1/10W |      |       |
| R 1015 | J24205151 | CHIP RES.        | RMC1/10T 151J   | 150   | 1/10W |      |       |
| R 1016 | J24205829 | CHIP RES.        | RMC1/10T 8R2J   | 8.2   | 1/10W |      |       |
| R 1017 | J24205479 | CHIP RES.        | RMC1/10T 4R7J   | 4.7   | 1/10W |      |       |
| R 1018 | J05245560 | CARBON FILM RES. | RD14TPR560J     | 56    | 1/4W  |      |       |
| R 1019 | J24205102 | CHIP RES.        | RMC1/10T 102J   | 1K    | 1/10W |      |       |
| R 1020 | J24205331 | CHIP RES.        | RMC1/10T 331J   | 330   | 1/10W |      |       |
| R 1021 | J24205101 | CHIP RES.        | RMC1/10T 101J   | 100   | 1/10W |      |       |
| R 1022 | J24205221 | CHIP RES.        | RMC1/10T 221J   | 220   | 1/10W |      |       |
| R 1023 | J24205221 | CHIP RES.        | RMC1/10T 221J   | 220   | 1/10W |      |       |
| R 1024 | J24205101 | CHIP RES.        | RMC1/10T 101J   | 100   | 1/10W |      |       |
| R 1025 | J24205102 | CHIP RES.        | RMC1/10T 102J   | 1K    | 1/10W |      |       |
| R 1026 | J24205331 | CHIP RES.        | RMC1/10T 331J   | 330   | 1/10W |      |       |
| R 1027 | J24205229 | CHIP RES.        | RMC1/10T 2R2J   | 2.2   | 1/10W |      |       |
| R 1028 | J05245560 | CARBON FILM RES. | RD14TPR560J     | 56    | 1/4W  |      |       |
| R 1029 | J24205829 | CHIP RES.        | RMC1/10T 8R2J   | 8.2   | 1/10W |      |       |
| R 1030 | J24205151 | CHIP RES.        | RMC1/10T 151J   | 150   | 1/10W |      |       |
| R 1031 | J24205829 | CHIP RES.        | RMC1/10T 8R2J   | 8.2   | 1/10W |      |       |
| R 1032 | J24205103 | CHIP RES.        | RMC1/10T 103J   | 10K   | 1/10W |      |       |
| R 1033 | J24205104 | CHIP RES.        | RMC1/10T 104J   | 100K  | 1/10W |      |       |
| R 1034 | J24205681 | CHIP RES.        | RMC1/10T 681J   | 680   | 1/10W |      |       |
| R 1035 | J24205681 | CHIP RES.        | RMC1/10T 681J   | 680   | 1/10W |      |       |
| R 1036 | J24205220 | CHIP RES.        | RMC1/10T 220J   | 22    | 1/10W |      |       |
| R 1037 | J24205220 | CHIP RES.        | RMC1/10T 220J   | 22    | 1/10W |      |       |
| R 1038 | J24205471 | CHIP RES.        | RMC1/10T 471J   | 470   | 1/10W |      |       |
| R 1039 | J24205561 | CHIP RES.        | RMC1/10T 561J   | 560   | 1/10W |      |       |
| R 1040 | J24205101 | CHIP RES.        | RMC1/10T 101J   | 100   | 1/10W |      |       |

For Service Manuals Contact  
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 Tel:- 01844-351694 Fax:- 01844-352554  
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| REF.   | YAESU P/N | DESCRIPTION      | MFGR'S DESIG  | VALUE | WV    | TOL. | VERS. |
|--------|-----------|------------------|---------------|-------|-------|------|-------|
| R 1041 | J24205560 | CHIP RES.        | RMC1/10T 560J | 56    | 1/10W |      |       |
| R 1042 | J05245331 | CARBON FILM RES. | RD14TPR331J   | 330   | 1/4W  |      |       |
| R 1043 | J24205101 | CHIP RES.        | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 1044 | J24205563 | CHIP RES.        | RMC1/10T 563J | 56K   | 1/10W |      |       |
| R 1045 | J24205332 | CHIP RES.        | RMC1/10T 332J | 3.3K  | 1/10W |      |       |
| R 1046 | J24205123 | CHIP RES.        | RMC1/10T 123J | 12K   | 1/10W |      |       |
| R 1047 | J24205105 | CHIP RES.        | RMC1/10T 105J | 1M    | 1/10W |      |       |
| R 1048 | J24205184 | CHIP RES.        | RMC1/10T 184J | 180K  | 1/10W |      |       |
| R 1049 | J24205105 | CHIP RES.        | RMC1/10T 105J | 1M    | 1/10W |      |       |
| R 1050 | J24205184 | CHIP RES.        | RMC1/10T 184J | 180K  | 1/10W |      |       |
| R 1051 | J24205153 | CHIP RES.        | RMC1/10T 153J | 15K   | 1/10W |      |       |
| R 1052 | J24205104 | CHIP RES.        | RMC1/10T 104J | 100K  | 1/10W |      |       |
| R 1053 | J24205473 | CHIP RES.        | RMC1/10T 473J | 47K   | 1/10W |      |       |
| R 1054 | J24205683 | CHIP RES.        | RMC1/10T 683J | 68K   | 1/10W |      |       |
| R 1055 | J24205124 | CHIP RES.        | RMC1/10T 124J | 120K  | 1/10W |      |       |
| R 1056 | J24205474 | CHIP RES.        | RMC1/10T 474J | 470K  | 1/10W |      |       |
| R 1057 | J24205471 | CHIP RES.        | RMC1/10T 471J | 470   | 1/10W |      |       |
| R 1058 | J24205333 | CHIP RES.        | RMC1/10T 333J | 33K   | 1/10W |      |       |
| R 1059 | J24205101 | CHIP RES.        | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 1060 | J24205330 | CHIP RES.        | RMC1/10T 330J | 33    | 1/10W |      |       |
| R 1061 | J24205101 | CHIP RES.        | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 1062 | J24205271 | CHIP RES.        | RMC1/10T 271J | 270   | 1/10W |      |       |
| R 1063 | J24205391 | CHIP RES.        | RMC1/10T 391J | 390   | 1/10W |      |       |
| R 1064 | J24205271 | CHIP RES.        | RMC1/10T 271J | 270   | 1/10W |      |       |
| R 1065 | J24205330 | CHIP RES.        | RMC1/10T 330J | 33    | 1/10W |      |       |
| R 1066 | J24205101 | CHIP RES.        | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 1067 | J24205330 | CHIP RES.        | RMC1/10T 330J | 33    | 1/10W |      |       |
| R 1068 | J24205101 | CHIP RES.        | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 1069 | J24205330 | CHIP RES.        | RMC1/10T 330J | 33    | 1/10W |      |       |
| R 1070 | J24205101 | CHIP RES.        | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 1071 | J24205330 | CHIP RES.        | RMC1/10T 330J | 33    | 1/10W |      |       |
| R 1072 | J24205101 | CHIP RES.        | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 1073 | J24205330 | CHIP RES.        | RMC1/10T 330J | 33    | 1/10W |      |       |
| R 1074 | J24205101 | CHIP RES.        | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 1075 | J24205330 | CHIP RES.        | RMC1/10T 330J | 33    | 1/10W |      |       |
| R 1076 | J24205101 | CHIP RES.        | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 1077 | J24205330 | CHIP RES.        | RMC1/10T 330J | 33    | 1/10W |      |       |
| R 1078 | J24205101 | CHIP RES.        | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 1079 | J24205330 | CHIP RES.        | RMC1/10T 330J | 33    | 1/10W |      |       |
| R 1080 | J24205101 | CHIP RES.        | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 1081 | J24205330 | CHIP RES.        | RMC1/10T 330J | 33    | 1/10W |      |       |
| R 1082 | J24205101 | CHIP RES.        | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 1083 | J24205330 | CHIP RES.        | RMC1/10T 330J | 33    | 1/10W |      |       |
| R 1085 | J24205472 | CHIP RES.        | RMC1/10T 472J | 4.7K  | 1/10W |      |       |
| R 1090 | J24205103 | CHIP RES.        | RMC1/10T 103J | 10K   | 1/10W |      |       |
| R 1091 | J24205105 | CHIP RES.        | RMC1/10T 105J | 1M    | 1/10W |      |       |
| R 1092 | J24205472 | CHIP RES.        | RMC1/10T 472J | 4.7K  | 1/10W |      |       |
| R 1093 | J24205182 | CHIP RES.        | RMC1/10T 182J | 1.8K  | 1/10W |      |       |
| R 1094 | J24205103 | CHIP RES.        | RMC1/10T 103J | 10K   | 1/10W |      |       |
| R 1095 | J24205473 | CHIP RES.        | RMC1/10T 473J | 47K   | 1/10W |      |       |
| R 1096 | J24205154 | CHIP RES.        | RMC1/10T 154J | 150K  | 1/10W |      |       |
| R 1097 | J24205104 | CHIP RES.        | RMC1/10T 104J | 100K  | 1/10W |      |       |
| R 1098 | J24205182 | CHIP RES.        | RMC1/10T 182J | 1.8K  | 1/10W |      |       |
| R 1099 | J24205472 | CHIP RES.        | RMC1/10T 472J | 4.7K  | 1/10W |      |       |
| R 1100 | J24205104 | CHIP RES.        | RMC1/10T 104J | 100K  | 1/10W |      |       |

# RF Unit

| REF.   | YAESU P/N | DESCRIPTION      | MFGR'S DESIG  | VALUE | WV    | TOL. | VERS. |
|--------|-----------|------------------|---------------|-------|-------|------|-------|
| R 1101 | J24205104 | CHIP RES.        | RMC1/10T 104J | 100K  | 1/10W |      |       |
| R 1102 | J24205473 | CHIP RES.        | RMC1/10T 473J | 47K   | 1/10W |      |       |
| R 1103 | J24205223 | CHIP RES.        | RMC1/10T 223J | 22K   | 1/10W |      |       |
| R 1104 | J24205223 | CHIP RES.        | RMC1/10T 223J | 22K   | 1/10W |      |       |
| R 1105 | J24205104 | CHIP RES.        | RMC1/10T 104J | 100K  | 1/10W |      |       |
| R 1106 | J24205154 | CHIP RES.        | RMC1/10T 154J | 150K  | 1/10W |      |       |
| R 1107 | J24205154 | CHIP RES.        | RMC1/10T 154J | 150K  | 1/10W |      |       |
| R 1108 | J24205154 | CHIP RES.        | RMC1/10T 154J | 150K  | 1/10W |      |       |
| R 1109 | J24205103 | CHIP RES.        | RMC1/10T 103J | 10K   | 1/10W |      |       |
| R 1110 | J24205104 | CHIP RES.        | RMC1/10T 104J | 100K  | 1/10W |      |       |
| R 1111 | J24205104 | CHIP RES.        | RMC1/10T 104J | 100K  | 1/10W |      |       |
| R 1112 | J24205472 | CHIP RES.        | RMC1/10T 472J | 4.7K  | 1/10W |      |       |
| R 1116 | J24205393 | CHIP RES.        | RMC1/10T 393J | 39K   | 1/10W |      |       |
| R 1117 | J24205224 | CHIP RES.        | RMC1/10T 224J | 220K  | 1/10W |      |       |
| R 1118 | J24205393 | CHIP RES.        | RMC1/10T 393J | 39K   | 1/10W |      |       |
| R 1119 | J24205224 | CHIP RES.        | RMC1/10T 224J | 220K  | 1/10W |      |       |
| R 1120 | J24205332 | CHIP RES.        | RMC1/10T 332J | 3.3K  | 1/10W |      |       |
| R 1121 | J24205223 | CHIP RES.        | RMC1/10T 223J | 22K   | 1/10W |      |       |
| R 1123 | J24205103 | CHIP RES.        | RMC1/10T 103J | 10K   | 1/10W |      |       |
| R 1124 | J24205105 | CHIP RES.        | RMC1/10T 105J | 1M    | 1/10W |      |       |
| R 1125 | J24205333 | CHIP RES.        | RMC1/10T 333J | 33K   | 1/10W |      |       |
| R 1126 | J24205103 | CHIP RES.        | RMC1/10T 103J | 10K   | 1/10W |      |       |
| R 1127 | J24205333 | CHIP RES.        | RMC1/10T 333J | 33K   | 1/10W |      |       |
| R 1128 | J24205224 | CHIP RES.        | RMC1/10T 224J | 220K  | 1/10W |      |       |
| R 1129 | J24205101 | CHIP RES.        | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 1130 | J24205681 | CHIP RES.        | RMC1/10T 681J | 680   | 1/10W |      |       |
| R 1131 | J24205152 | CHIP RES.        | RMC1/10T 152J | 1.5K  | 1/10W |      |       |
| R 1132 | J24205479 | CHIP RES.        | RMC1/10T 4R7J | 4.7   | 1/10W |      |       |
| R 1133 | J01275181 | CARBON FILM RES. | RD12TJ181 180 | 180   | 1/2W  |      |       |
| R 1134 | J24205391 | CHIP RES.        | RMC1/10T 391J | 390   | 1/10W |      |       |
| R 1135 | J05245331 | CARBON FILM RES. | RD14TPR331J   | 330   | 1/4W  |      |       |
| R 1136 | J24205560 | CHIP RES.        | RMC1/10T 560J | 56    | 1/10W |      |       |
| R 1137 | J05245101 | CARBON FILM RES. | RD14TPR101J   | 100   | 1/4W  |      |       |
| R 1138 | J24205560 | CHIP RES.        | RMC1/10T 560J | 56    | 1/10W |      |       |
| R 1139 | J24205471 | CHIP RES.        | RMC1/10T 471J | 470   | 1/10W |      |       |
| R 1141 | J24205101 | CHIP RES.        | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 1142 | J24205101 | CHIP RES.        | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 1145 | J24205223 | CHIP RES.        | RMC1/10T 223J | 22K   | 1/10W |      |       |
| R 1146 | J05245221 | CARBON FILM RES. | RD14TPR221J   | 220   | 1/4W  |      |       |
| R 1147 | J05245331 | CARBON FILM RES. | RD14TPR331J   | 330   | 1/4W  |      |       |
| R 1148 | J24205330 | CHIP RES.        | RMC1/10T 330J | 33    | 1/10W |      |       |
| R 1149 | J24205473 | CHIP RES.        | RMC1/10T 473J | 47K   | 1/10W |      |       |
| R 1150 | J24205561 | CHIP RES.        | RMC1/10T 561J | 560   | 1/10W |      |       |
| R 1151 | J24205472 | CHIP RES.        | RMC1/10T 472J | 4.7K  | 1/10W |      |       |
| R 1152 | J24205103 | CHIP RES.        | RMC1/10T 103J | 10K   | 1/10W |      |       |
| R 1153 | J24205331 | CHIP RES.        | RMC1/10T 331J | 330   | 1/10W |      |       |
| R 1154 | J24205102 | CHIP RES.        | RMC1/10T 102J | 1K    | 1/10W |      |       |
| R 1155 | J24205102 | CHIP RES.        | RMC1/10T 102J | 1K    | 1/10W |      |       |
| R 1156 | J24205102 | CHIP RES.        | RMC1/10T 102J | 1K    | 1/10W |      |       |
| R 1157 | J24205102 | CHIP RES.        | RMC1/10T 102J | 1K    | 1/10W |      |       |
| R 1158 | J24205681 | CHIP RES.        | RMC1/10T 681J | 680   | 1/10W |      |       |
| R 1159 | J24205681 | CHIP RES.        | RMC1/10T 681J | 680   | 1/10W |      |       |
| R 1160 | J24205104 | CHIP RES.        | RMC1/10T 104J | 100K  | 1/10W |      |       |
| R 1161 | J24205104 | CHIP RES.        | RMC1/10T 104J | 100K  | 1/10W |      |       |
| R 1162 | J24205103 | CHIP RES.        | RMC1/10T 103J | 10K   | 1/10W |      |       |

| REF.   | YAESU P/N | DESCRIPTION       | MFGR'S DESIG     | VALUE | WV    | TOL. | VERS.   |
|--------|-----------|-------------------|------------------|-------|-------|------|---------|
| R 1163 | J24205473 | CHIP RES.         | RMC1/10T 473J    | 47K   | 1/10W |      |         |
| R 1164 | J24205104 | CHIP RES.         | RMC1/10T 104J    | 100K  | 1/10W |      |         |
| R 1166 | J24205102 | CHIP RES.         | RMC1/10T 102J    | 1K    | 1/10W |      |         |
| R 1167 | J24205121 | CHIP RES.         | RMC1/10T 121J    | 120   | 1/10W |      |         |
| R 1168 | J24205332 | CHIP RES.         | RMC1/10T 332J    | 3.3K  | 1/10W |      |         |
| R 1169 | J24205153 | CHIP RES.         | RMC1/10T 153J    | 15K   | 1/10W |      |         |
| RB1001 | J40900175 | BLOCK RES.        | EXB-P811472J     |       |       |      |         |
| RL1001 | M1190090  | RELAY             | AG4013 DC12V     |       | DC12V |      |         |
| T 1001 | L0021223  | COIL              | 47.1M R12-6708A  |       |       |      |         |
| T 1002 | L0021225  | COIL              | 47.1M R12-6707A  |       |       |      |         |
| T 1003 | L0020788A | COIL              | 4-1 2D3 TR6X3    |       |       |      |         |
| T 1004 | L0020788A | COIL              | 4-1 2D3 TR6X3    |       |       |      |         |
| T 1005 | L0021225  | COIL              | 47.1M R12-6707A  |       |       |      |         |
| T 1006 | L0020883  | COIL              | 4-1 2001F        |       |       |      |         |
| T 1007 | L0022091  | COIL              | 8-1 2001F        |       |       |      |         |
| T 1008 | L0022092  | COIL              | 9-8 2001F        |       |       |      |         |
| T 1009 | L0022093  | COIL              | 1-1 2001F        |       |       |      |         |
| T 1010 | L0021943  | COIL              | 48.64M R12-J767A |       |       |      |         |
| T 1011 | L0021943  | COIL              | 48.64M R12-J767A |       |       |      |         |
| T 1013 | L0021536  | COIL              | 47.0M            |       |       |      |         |
| T 1015 | L0020883  | COIL              | 4-1 2001F        |       |       |      |         |
| T 1016 | L0021462  | 07 WIDE TRANS 4:1 | 4-1 3A           |       |       |      |         |
| TH1001 | G9090013  | THERMISTOR        | 112501-2         |       |       |      |         |
| TP1001 | Q5000050  | TP-K              | IPS-1136         |       |       |      |         |
| VR1001 | J50784503 | POT.              | EVN-DCAA03B54    | 50K   |       |      |         |
| VR1002 | J50784503 | POT.              | EVN-DCAA03B54    | 50K   |       |      |         |
| VR1003 | J50784503 | POT.              | EVN-DCAA03B54    | 50K   |       |      |         |
| VR1004 | J50784503 | POT.              | EVN-DCAA03B54    | 50K   |       |      |         |
| VR1005 | J50784503 | POT.              | EVN-DCAA03B54    | 50K   |       |      |         |
| VR1006 | J50784503 | POT.              | EVN-DCAA03B54    | 50K   |       |      |         |
| VR1007 | J50784503 | POT.              | EVN-DCAA03B54    | 50K   |       |      |         |
| VR1008 | J50784503 | POT.              | EVN-DCAA03B54    | 50K   |       |      |         |
| VR1009 | J50784503 | POT.              | EVN-DCAA03B54    | 50K   |       |      |         |
| VR1010 | J50784502 | POT.              | EVN-DCAA03B53    | 5K    |       |      |         |
| VR1011 | J51783502 | POT.              | EVN-DCAA03B53    | 5K    |       |      |         |
| VR1012 | J50784103 | POT.              | EVN-DCAA03B14    | 10K   |       |      |         |
| VR1014 | J50784103 | POT.              | EVN-DCAA03B14    | 10K   |       |      |         |
| VR1015 | J50784503 | POT.              | EVN-DCAA03B54    | 50K   |       |      | DST EXP |
| VR1015 | J50784503 | POT.              | EVN-DCAA03B54    | 50K   |       |      | DST FRA |
| VR1015 | J50784103 | POT.              | EVN-DCAA03B14    | 10K   |       |      | DST BEL |
| VR1016 | J50784103 | POT.              | EVN-DCAA03B14    | 10K   |       |      |         |
| VR1017 | J50784103 | POT.              | EVN-DCAA03B14    | 10K   |       |      |         |
| VR1019 | J50784103 | POT.              | EVN-DCAA03B14    | 10K   |       |      |         |
| VR1020 | J50784503 | POT.              | EVN-DCAA03B54    | 50K   |       |      |         |
| VR1021 | J50784502 | POT.              | EVN-DCAA03B53    | 5K    |       |      |         |
| XF1001 | H1102196  | XTAL              | 47G10B1          |       |       |      |         |
|        | R8049490A | CABLE SEAL        |                  |       |       |      |         |

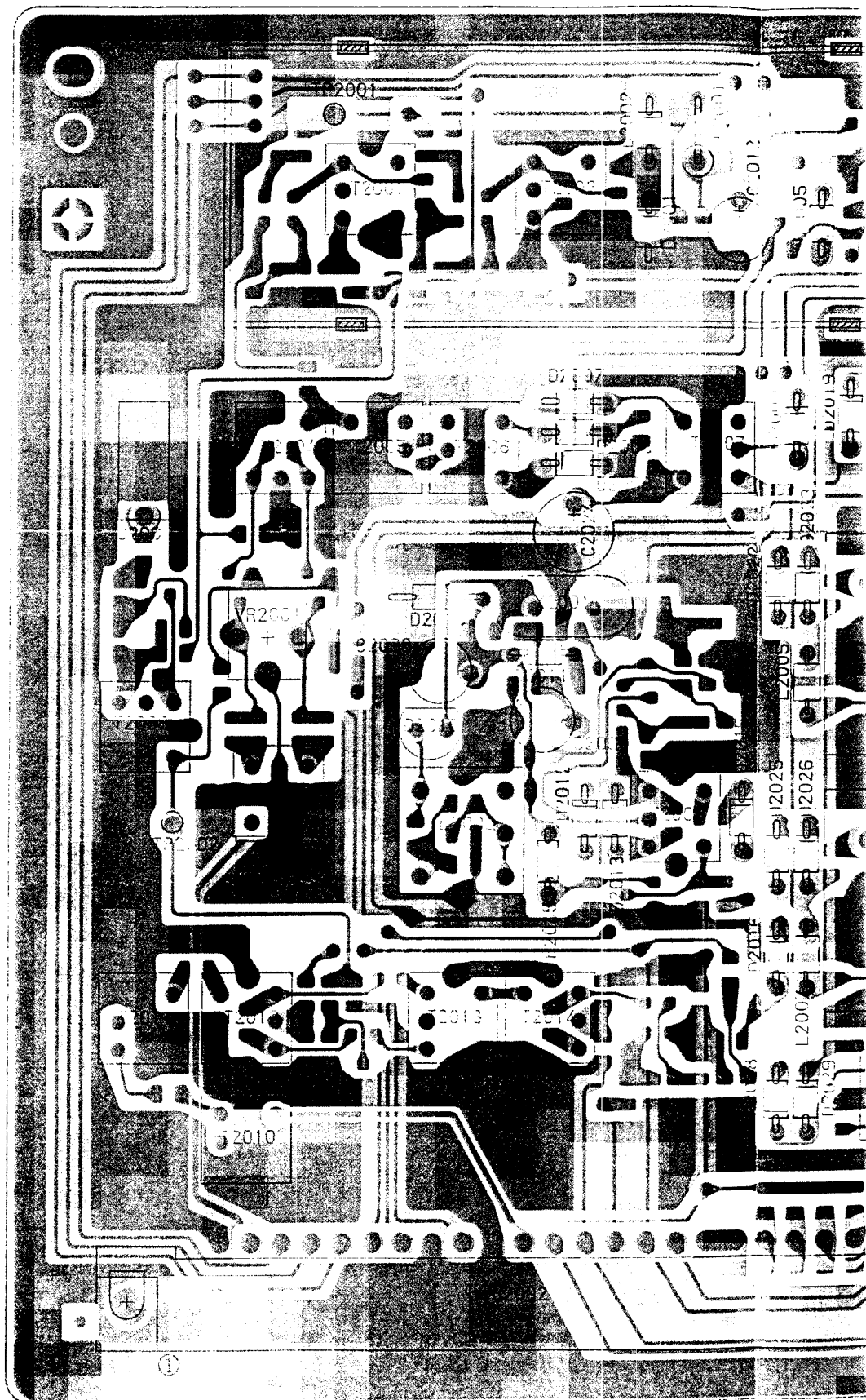
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Email:- enquiries@mauritron.co.uk

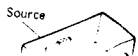
## RF Unit

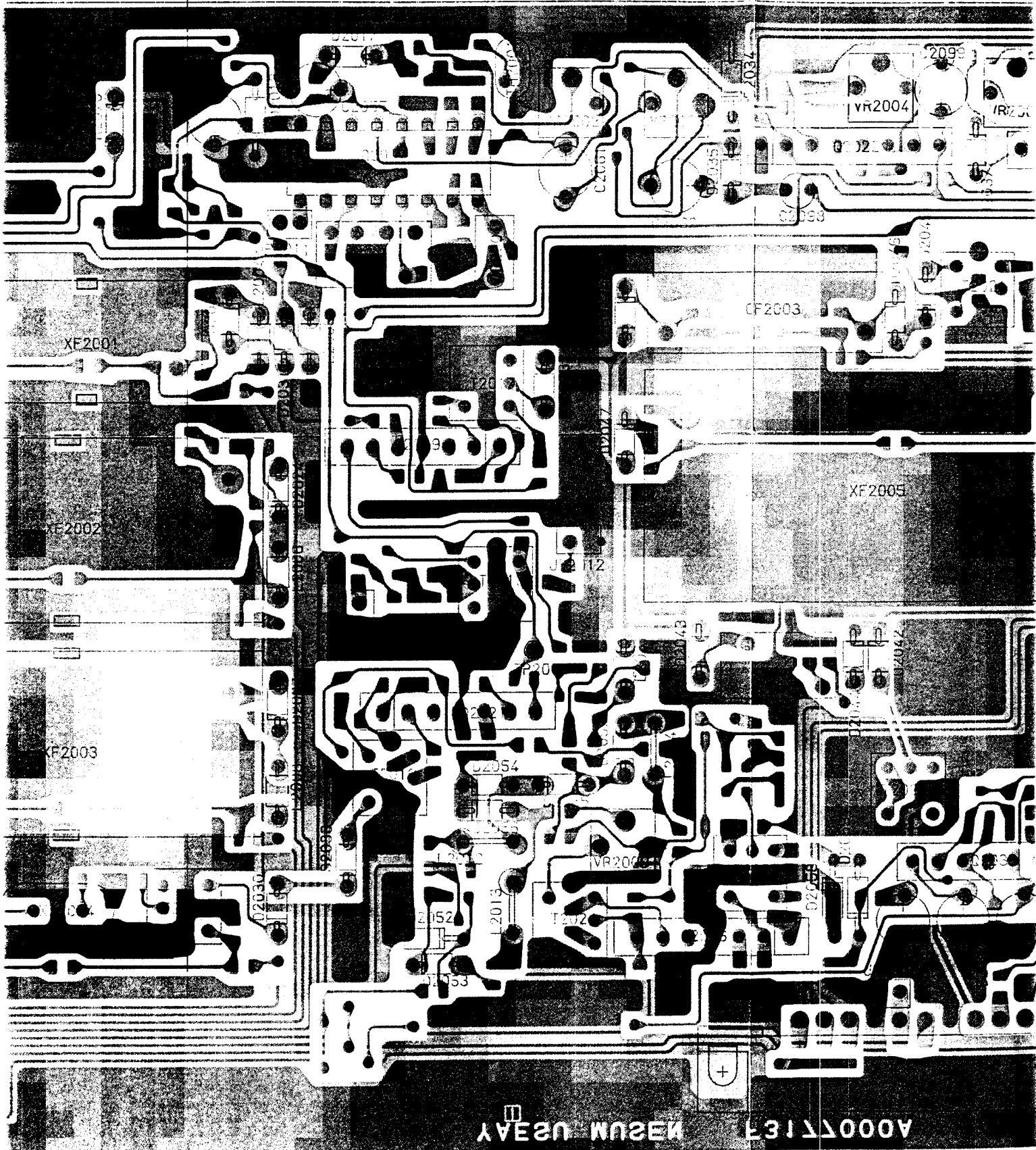
| REF. | YAESU P/N | DESCRIPTION        | MFGR'S DESIG | VALUE | WV | TOL. | VERS. |
|------|-----------|--------------------|--------------|-------|----|------|-------|
|      | R0131630  | SHIELD CASE        |              |       |    |      |       |
|      | R0136980  | SHIELD CASE        |              |       |    |      |       |
|      | R0136990  | SHIELD COVER       |              |       |    |      |       |
|      | R0136960  | FITTING R          |              |       |    |      |       |
|      | R0136970  | FITTING L          |              |       |    |      |       |
|      | R0139800  | REAR SHIELD        |              |       |    |      |       |
|      | R3129530  | XTAL HOLDER(2 pcs) |              |       |    |      |       |



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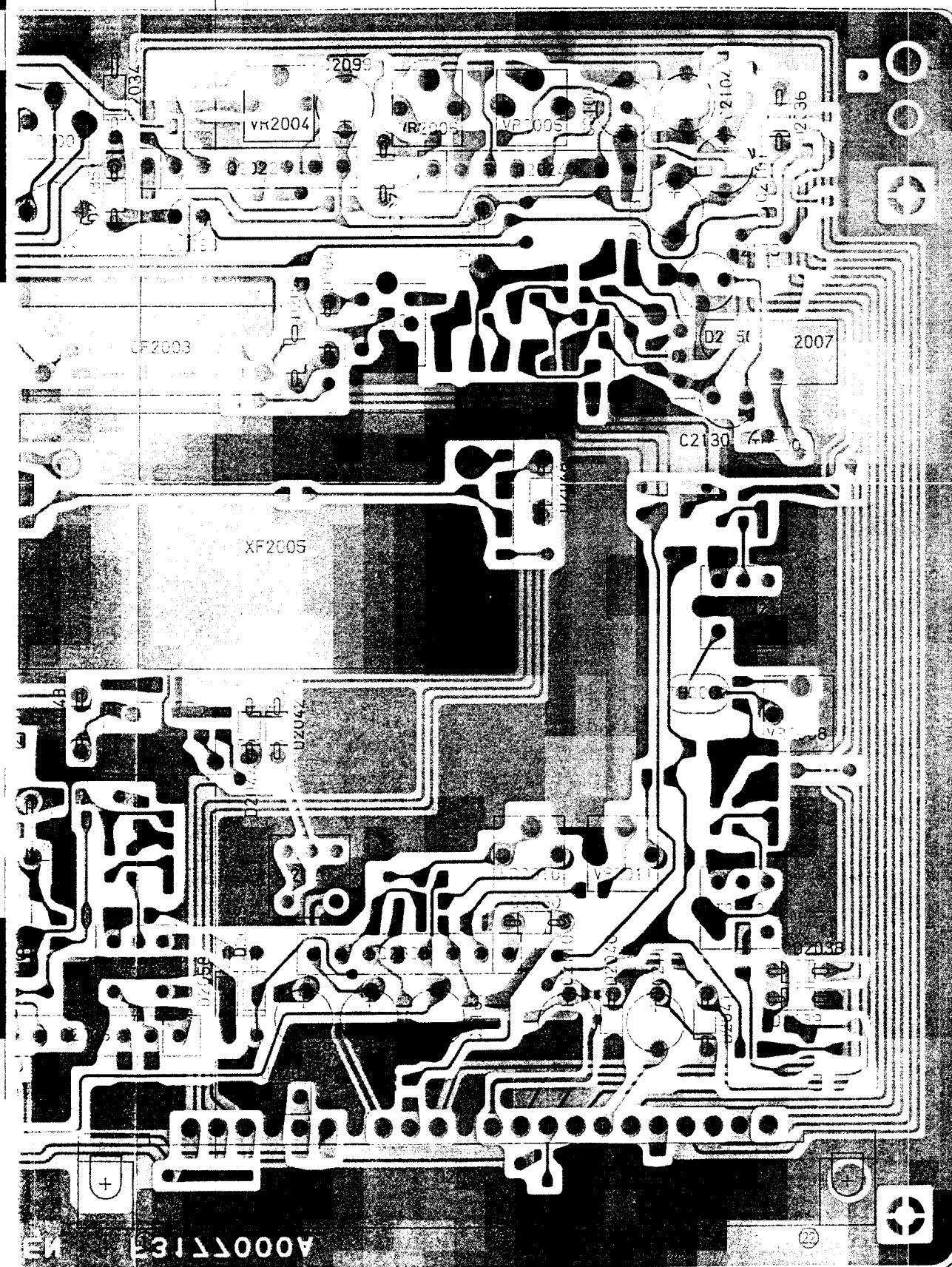




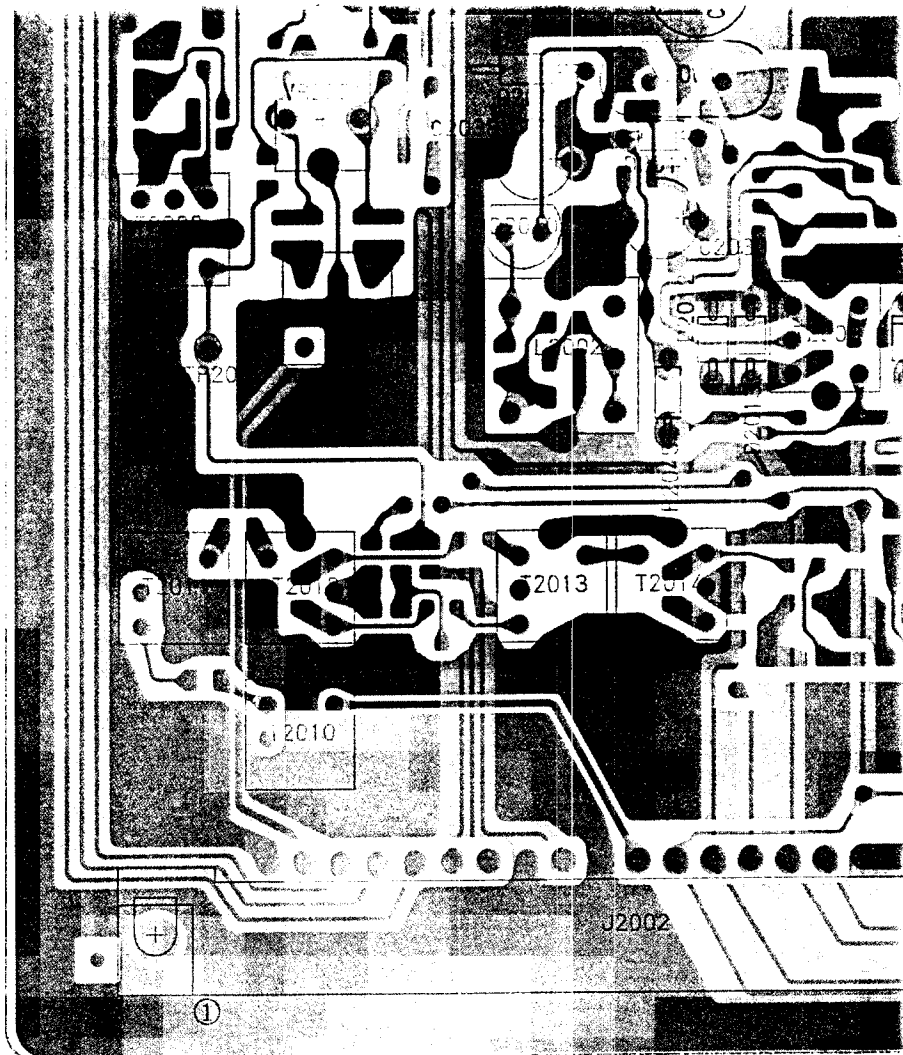
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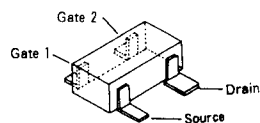




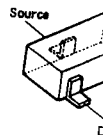
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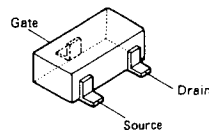
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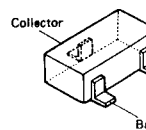
3SK131(V12)  
 (Q2001, 2002, 2032,  
 2033, 2037)  
 3SK179(V02)  
 (Q2013)



2SK210GF  
 (Q2034)  
 2SK302GF  
 (Q2005, 2  
 2012, 201



2SK160(K6)  
 (Q2023, 2038)

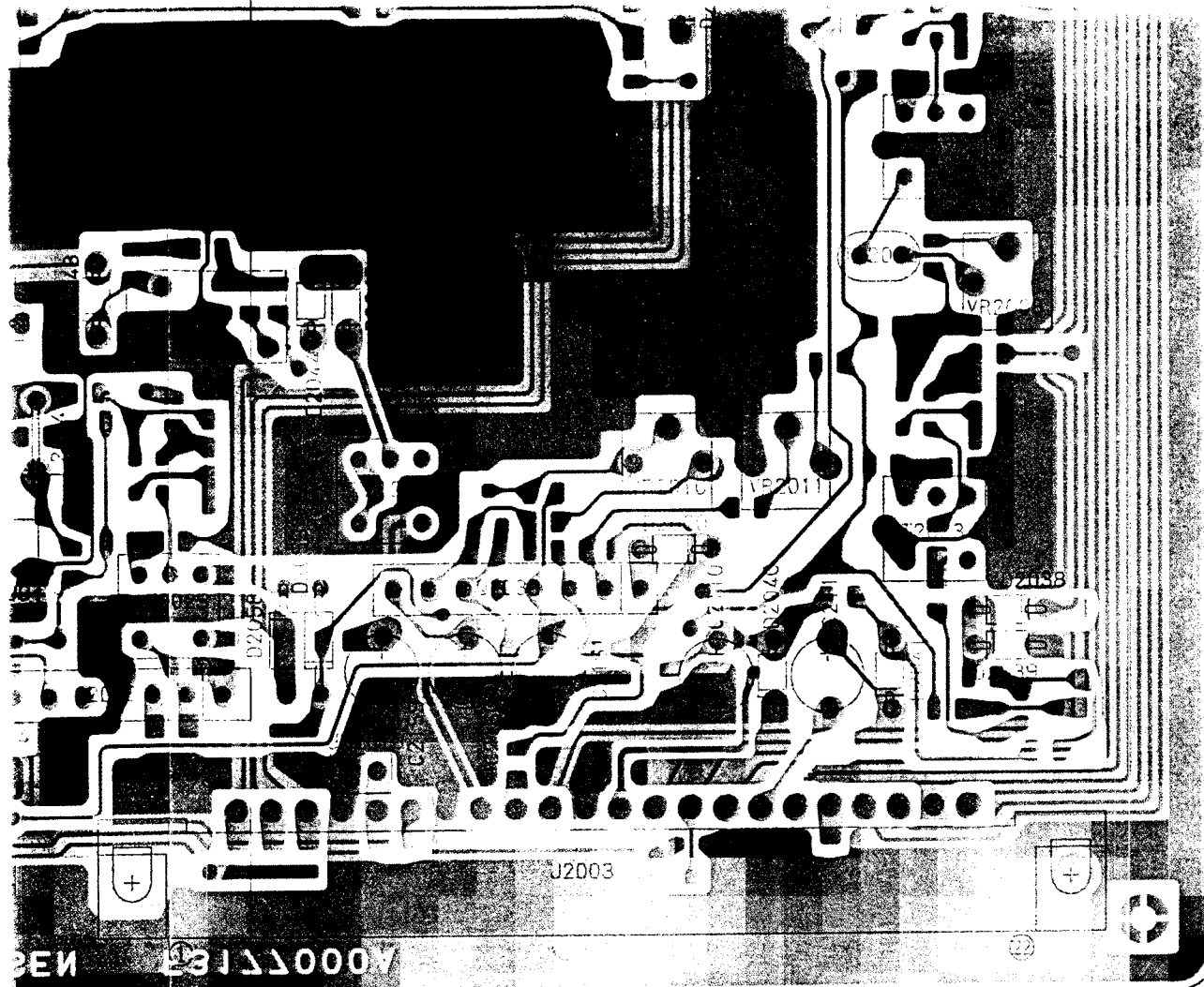


2SA1162GR (Q2035)  
 2SC2620(QB (Q2007)  
 2SC2712GR (Q2003, 2004  
 2009, 2020,  
 2027, 2029,  
 2031)  
 FA1A4P (L3 (Q2010, 2015  
 2018, 2026,

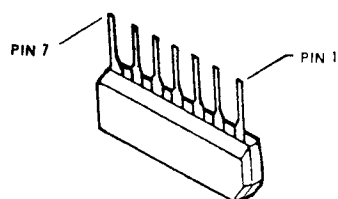




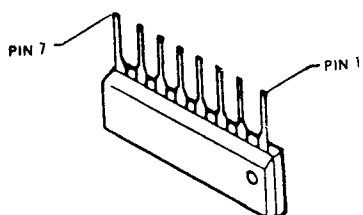




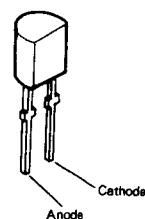
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TA7302P  
(Q2036)



$\mu$ PC1037H  
(Q2019, 2021)



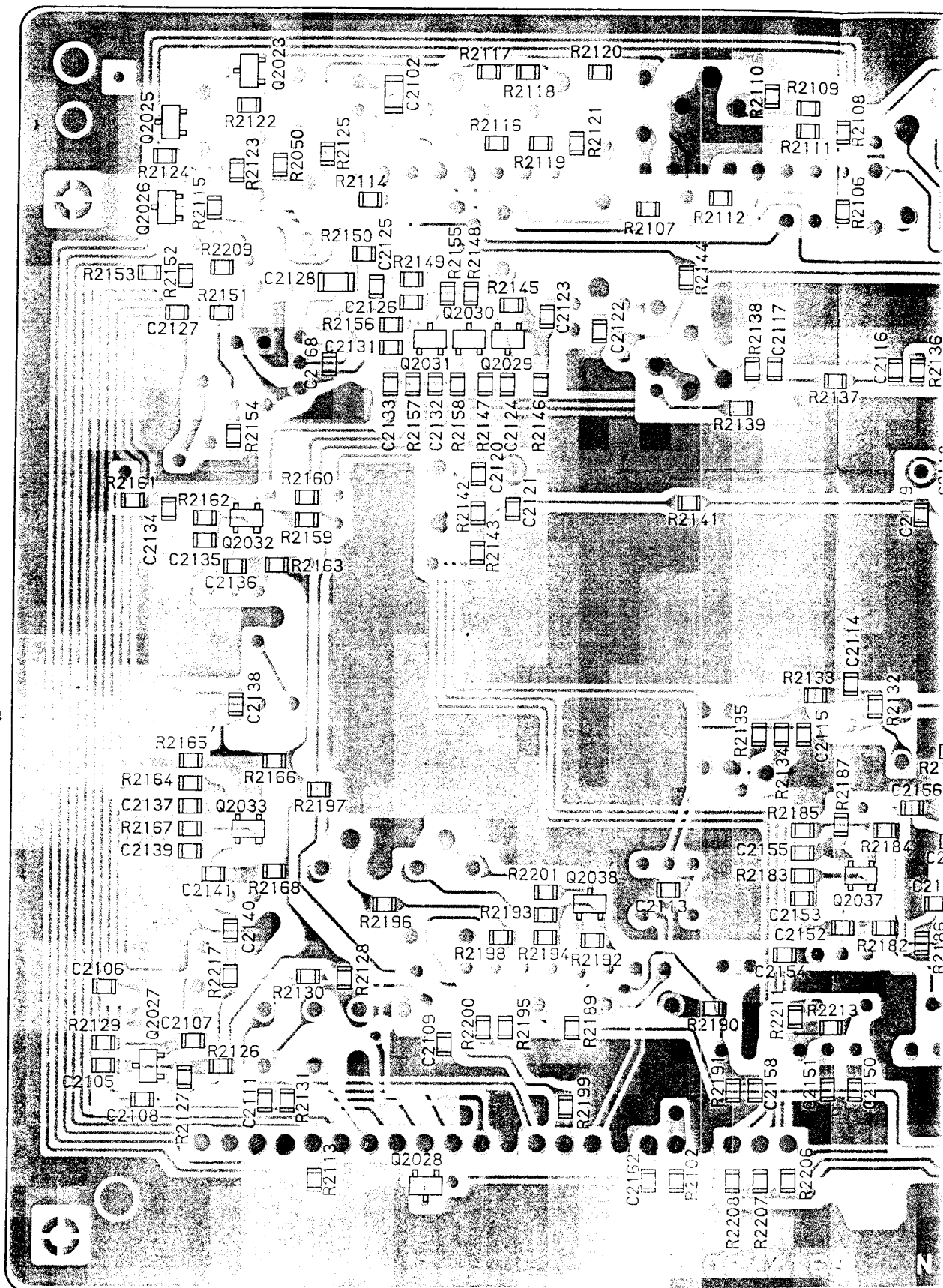
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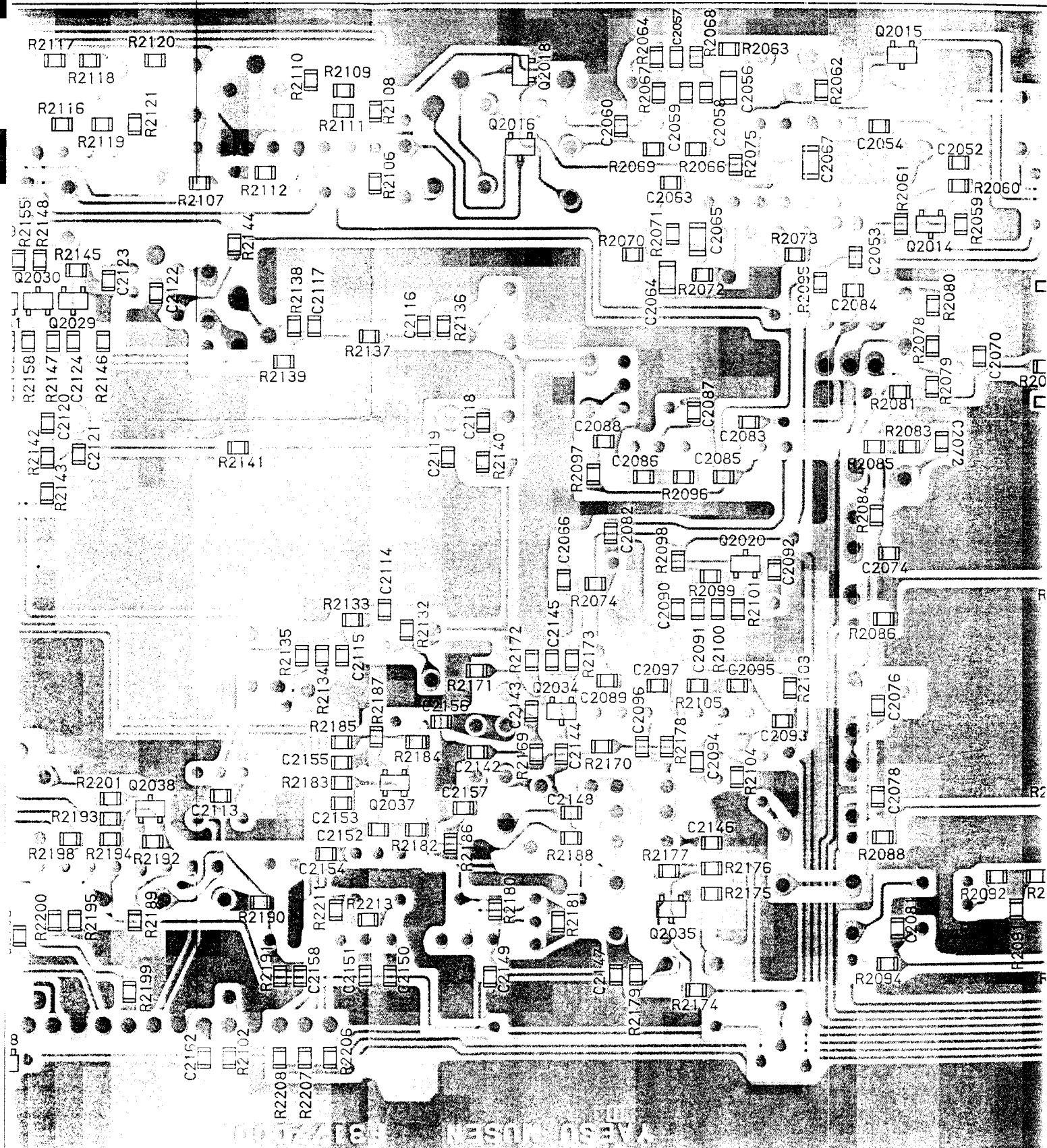
IF UNIT



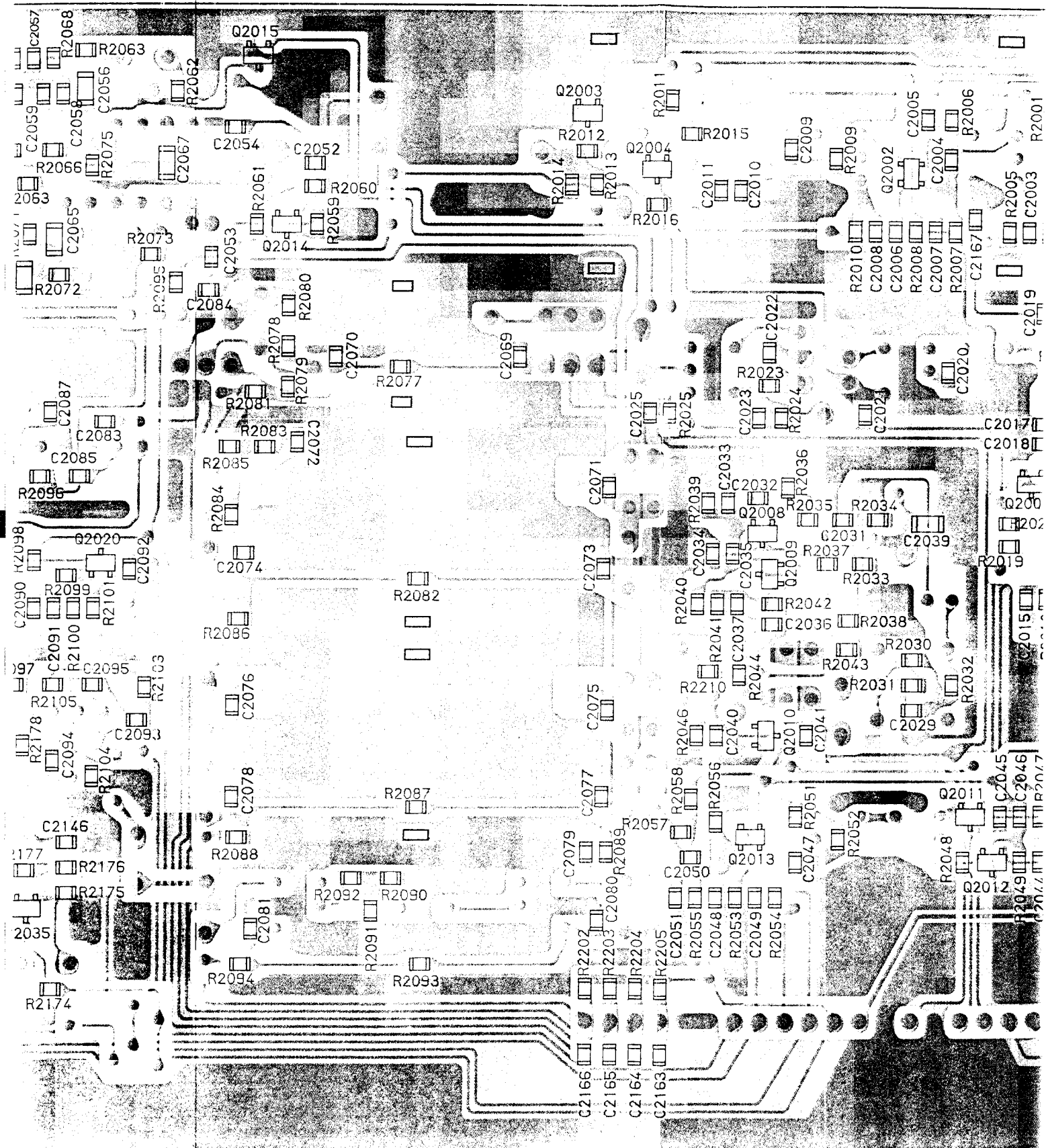
# IF Unit

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| REF.            | YAESU P/N                                                                                                                                                                              | DESCRIPTION                                 | MFRG'S DESIG     | VALUE   | WV  | TOL. | VERS. |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|------------------|---------|-----|------|-------|
| *** IF UNIT *** |                                                                                                                                                                                        |                                             |                  |         |     |      |       |
|                 | CA0228001                                                                                                                                                                              | P.C.B. W COMP. (W CW-W FILTER)              |                  |         |     |      |       |
|                 | CA0228002                                                                                                                                                                              | P.C.B. W COMP. (W SSB-N, CW-W, CW-N FILTER) |                  |         |     |      |       |
|                 | CA0228003                                                                                                                                                                              | P.C.B. W COMP.                              |                  |         |     |      |       |
|                 | F3177000A                                                                                                                                                                              | P.C.B. W/O COMP.                            |                  |         |     |      |       |
|                 | For Service Manuals Contact<br>MAURITRON TECHNICAL SERVICES<br>8 Cherry Tree Rd, Chinnor<br>Oxon OX9 4QY<br>Tel:- 01844-351694 Fax:- 01844-352554<br>Email:- enquiries@mauritron.co.uk |                                             |                  |         |     |      |       |
| C 2001          | K22170817                                                                                                                                                                              | CHIP CAP.                                   | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2002          | K22170817                                                                                                                                                                              | CHIP CAP.                                   | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2003          | K22170817                                                                                                                                                                              | CHIP CAP.                                   | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2004          | K22170211                                                                                                                                                                              | CHIP CAP.                                   | GRM40CH100D50PT  | 10pF    | 50V | CH   |       |
| C 2005          | K22170817                                                                                                                                                                              | CHIP CAP.                                   | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2006          | K22170817                                                                                                                                                                              | CHIP CAP.                                   | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2007          | K22170817                                                                                                                                                                              | CHIP CAP.                                   | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2008          | K22170817                                                                                                                                                                              | CHIP CAP.                                   | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2009          | K22170219                                                                                                                                                                              | CHIP CAP.                                   | GRM40CH220J50PT  | 22pF    | 50V | CH   |       |
| C 2010          | K22170243                                                                                                                                                                              | CHIP CAP.                                   | GRM40CH221J50PT  | 220pF   | 50V | CH   |       |
| C 2011          | K22170243                                                                                                                                                                              | CHIP CAP.                                   | GRM40CH221J50PT  | 220pF   | 50V | CH   |       |
| C 2012          | K46170021                                                                                                                                                                              | AL. ELECTRO. CAP.                           | 50V100M5X11TR5   | 10uF    | 50V |      |       |
| C 2013          | K46170021                                                                                                                                                                              | AL. ELECTRO. CAP.                           | 50V100M5X11TR5   | 10uF    | 50V |      |       |
| C 2014          | K22170805                                                                                                                                                                              | CHIP CAP.                                   | GRM40B102M50PT   | 0.001uF | 50V | B    |       |
| C 2015          | K22170805                                                                                                                                                                              | CHIP CAP.                                   | GRM40B102M50PT   | 0.001uF | 50V | B    |       |
| C 2016          | K22170805                                                                                                                                                                              | CHIP CAP.                                   | GRM40B102M50PT   | 0.001uF | 50V | B    |       |
| C 2017          | K22170805                                                                                                                                                                              | CHIP CAP.                                   | GRM40B102M50PT   | 0.001uF | 50V | B    |       |
| C 2018          | K22170817                                                                                                                                                                              | CHIP CAP.                                   | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2019          | K22170235                                                                                                                                                                              | CHIP CAP.                                   | GRM40CH101J50PT  | 100pF   | 50V | CH   |       |
| C 2020          | K22170211                                                                                                                                                                              | CHIP CAP.                                   | GRM40CH100D50PT  | 10pF    | 50V | CH   |       |
| C 2021          | K22170817                                                                                                                                                                              | CHIP CAP.                                   | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2022          | K22170817                                                                                                                                                                              | CHIP CAP.                                   | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2023          | K22170817                                                                                                                                                                              | CHIP CAP.                                   | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2024          | K46170024                                                                                                                                                                              | AL. ELECTRO. CAP.                           | 50V470M6X11TR5   | 47uF    | 50V |      |       |
| C 2025          | K22170817                                                                                                                                                                              | CHIP CAP.                                   | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2026          | K22170243                                                                                                                                                                              | CHIP CAP.                                   | GRM40CH221J50PT  | 220pF   | 50V | CH   |       |
| C 2027          | K22170805                                                                                                                                                                              | CHIP CAP.                                   | GRM40B102M50PT   | 0.001uF | 50V | B    |       |
| C 2028          | K22170805                                                                                                                                                                              | CHIP CAP.                                   | GRM40B102M50PT   | 0.001uF | 50V | B    |       |
| C 2029          | K22170805                                                                                                                                                                              | CHIP CAP.                                   | GRM40B102M50PT   | 0.001uF | 50V | B    |       |
| C 2030          | K46170021                                                                                                                                                                              | AL. ELECTRO. CAP.                           | 50V100M5X11TR5   | 10uF    | 50V |      |       |
| C 2031          | K22170817                                                                                                                                                                              | CHIP CAP.                                   | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2032          | K22170243                                                                                                                                                                              | CHIP CAP.                                   | GRM40CH221J50PT  | 220pF   | 50V | CH   |       |
| C 2033          | K22170235                                                                                                                                                                              | CHIP CAP.                                   | GRM40CH101J50PT  | 100pF   | 50V | CH   |       |
| C 2034          | K22170817                                                                                                                                                                              | CHIP CAP.                                   | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2035          | K22170211                                                                                                                                                                              | CHIP CAP.                                   | GRM40CH100D50PT  | 10pF    | 50V | CH   |       |
| C 2036          | K22170817                                                                                                                                                                              | CHIP CAP.                                   | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2037          | K22170817                                                                                                                                                                              | CHIP CAP.                                   | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2038          | K46170021                                                                                                                                                                              | AL. ELECTRO. CAP.                           | 50V100M5X11TR5   | 10uF    | 50V |      |       |
| C 2039          | K22141809                                                                                                                                                                              | CHIP CAP.                                   | GRM42-6B104M25PT | 0.1uF   | 25V | B    |       |
| C 2040          | K22170817                                                                                                                                                                              | CHIP CAP.                                   | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2041          | K22170817                                                                                                                                                                              | CHIP CAP.                                   | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2042          | K22170202                                                                                                                                                                              | CHIP CAP.                                   | GRM40CK010C50PT  | 1pF     | 50V | CK   |       |
| C 2043          | K22170227                                                                                                                                                                              | CHIP CAP.                                   | GRM40CH470J50PT  | 47pF    | 50V | CH   |       |
| C 2044          | K22170817                                                                                                                                                                              | CHIP CAP.                                   | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2045          | K22170817                                                                                                                                                                              | CHIP CAP.                                   | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2046          | K22170817                                                                                                                                                                              | CHIP CAP.                                   | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2047          | K22170817                                                                                                                                                                              | CHIP CAP.                                   | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |

# IF UNIT

| REF.   | YAESU P/N | DESCRIPTION       | MFGR'S DESIG     | VALUE   | WV  | TOL. | VERS. |
|--------|-----------|-------------------|------------------|---------|-----|------|-------|
| C 2048 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2049 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2050 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2051 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2052 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2053 | K22170235 | CHIP CAP.         | GRM40CH101J50PT  | 100pF   | 50V | CH   |       |
| C 2054 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2055 | K46170018 | AL. ELECTRO. CAP. | 50V2R2M5X11TR5   | 2.2uF   | 50V |      |       |
| C 2056 | K22141809 | CHIP CAP.         | GRM42-6B104M25PT | 0.1uF   | 25V | B    |       |
| C 2057 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2058 | K22170805 | CHIP CAP.         | GRM40B102M50PT   | 0.001uF | 50V | B    |       |
| C 2059 | K22170805 | CHIP CAP.         | GRM40B102M50PT   | 0.001uF | 50V | B    |       |
| C 2060 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2061 | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5   | 1uF     | 50V |      |       |
| C 2062 | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5   | 1uF     | 50V |      |       |
| C 2063 | K22170237 | CHIP CAP.         | GRM40CH121J50PT  | 120pF   | 50V | CH   |       |
| C 2064 | K22141809 | CHIP CAP.         | GRM42-6B104M25PT | 0.1uF   | 25V | B    |       |
| C 2065 | K22141809 | CHIP CAP.         | GRM42-6B104M25PT | 0.1uF   | 25V | B    |       |
| C 2066 | K22170235 | CHIP CAP.         | GRM40CH101J50PT  | 100pF   | 50V | CH   |       |
| C 2067 | K22141809 | CHIP CAP.         | GRM42-6B104M25PT | 0.1uF   | 25V | B    |       |
| C 2068 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5   | 10uF    | 50V |      |       |
| C 2069 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2070 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2071 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2072 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2073 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2074 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2075 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2076 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2077 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2078 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2079 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2080 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2081 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2082 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2083 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2084 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2085 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2086 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2087 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2088 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2089 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2090 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2091 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2092 | K22170219 | CHIP CAP.         | GRM40CH220J50PT  | 22pF    | 50V | CH   |       |
| C 2093 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2094 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2095 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2096 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2097 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2098 | K70147155 | TANTALUM CAP.     | DN1E1R5M1S       | 1.5     | 25V |      |       |
| C 2099 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5   | 10uF    | 50V |      |       |
| C 2100 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5   | 10uF    | 50V |      |       |
| C 2101 | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5   | 1uF     | 50V |      |       |
| C 2102 | K22141809 | CHIP CAP.         | GRM42-6B104M25PT | 0.1uF   | 25V | B    |       |

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 Email:- enquiries@maurtron.co.uk

| REF.   | YAESU P/N | DESCRIPTION       | MFGR'S DESIG     | VALUE   | WV  | TOL. | VERS. |
|--------|-----------|-------------------|------------------|---------|-----|------|-------|
| C 2103 | K46170014 | AL. ELECTRO. CAP. | 50VR22M5X11TR5   | 0.22uF  | 50V |      |       |
| C 2104 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5   | 10uF    | 50V |      |       |
| C 2105 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2106 | K22170243 | CHIP CAP.         | GRM40CH221J50PT  | 220pF   | 50V | CH   |       |
| C 2107 | K22170235 | CHIP CAP.         | GRM40CH101J50PT  | 100pF   | 50V | CH   |       |
| C 2108 | K22170805 | CHIP CAP.         | GRM40B102M50PT   | 0.001uF | 50V | B    |       |
| C 2109 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2110 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5   | 10uF    | 50V |      |       |
| C 2111 | K22170805 | CHIP CAP.         | GRM40B102M50PT   | 0.001uF | 50V | B    |       |
| C 2112 | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5   | 1uF     | 50V |      |       |
| C 2113 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2114 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2115 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2116 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2117 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2118 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2119 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2120 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2121 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2122 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2123 | K22170805 | CHIP CAP.         | GRM40B102M50PT   | 0.001uF | 50V | B    |       |
| C 2124 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2125 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2126 | K22170805 | CHIP CAP.         | GRM40B102M50PT   | 0.001uF | 50V | B    |       |
| C 2127 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2128 | K22141809 | CHIP CAP.         | GRM42-6B104M25PT | 0.1uF   | 25V | B    |       |
| C 2129 | K51176102 | STYROL CAP.       | 50S2U102K        | 0.001   | 50V |      |       |
| C 2130 | K51176102 | STYROL CAP.       | 50S2U102K        | 0.001   | 50V |      |       |
| C 2131 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2132 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2133 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2134 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2135 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2136 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2137 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2138 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2139 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2140 | K22170235 | CHIP CAP.         | GRM40CH101J50PT  | 100pF   | 50V | CH   |       |
| C 2141 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2142 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2143 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2144 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2145 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2146 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2147 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2148 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2149 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2150 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2151 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2152 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2153 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2154 | K22170235 | CHIP CAP.         | GRM40CH101J50PT  | 100pF   | 50V | CH   |       |
| C 2155 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |
| C 2156 | K22170817 | CHIP CAP.         | GRM40B103M50PT   | 0.01uF  | 50V | B    |       |
| C 2157 | K22171008 | CHIP CAP.         | GRM40F473Z50PT   | 0.047uF | 50V | F    |       |

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| REF.   | YAESU P/N | DESCRIPTION       | MFGR'S DESIG    | VALUE   | WV  | TOL. | VERS. |
|--------|-----------|-------------------|-----------------|---------|-----|------|-------|
| C 2158 | K22170817 | CHIP CAP.         | GRM40B103M50PT  | 0.01uF  | 50V | B    |       |
| C 2159 | K46170016 | AL. ELECTRO. CAP. | 50VR47M5X11TR5  | 0.47uF  | 50V |      |       |
| C 2160 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5  | 10uF    | 50V |      |       |
| C 2161 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5  | 10uF    | 50V |      |       |
| C 2162 | K22171008 | CHIP CAP.         | GRM40F473Z50PT  | 0.047uF | 50V | F    |       |
| C 2163 | K22171008 | CHIP CAP.         | GRM40F473Z50PT  | 0.047uF | 50V | F    |       |
| C 2164 | K22171008 | CHIP CAP.         | GRM40F473Z50PT  | 0.047uF | 50V | F    |       |
| C 2165 | K22171008 | CHIP CAP.         | GRM40F473Z50PT  | 0.047uF | 50V | F    |       |
| C 2166 | K22171008 | CHIP CAP.         | GRM40F473Z50PT  | 0.047uF | 50V | F    |       |
| C 2167 | K22170817 | CHIP CAP.         | GRM40B103M50PT  | 0.01uF  | 50V | B    |       |
| C 2168 | K22170307 | CHIP CAP.         | GRM40UJ060D50PT | 6pF     | 50V | UJ   |       |
| CD2001 | H7900180  | CERAMIC DISC      | CDB455C7        |         |     |      |       |
| CF2001 | H3900387  | CERAMIC FILTER    | LF-H8S          |         |     |      |       |
| CF2002 | H3900377  | CERAMIC FILTER    | LF-H6SC         |         |     |      |       |
| CF2003 | H3900290  | CERAMIC FILTER    | CFJ-455K13      |         |     |      |       |
| D 2001 | G2060011  | DIODE             | 1SS198TJ        |         |     |      |       |
| D 2002 | G2060011  | DIODE             | 1SS198TJ        |         |     |      |       |
| D 2005 | G2060004  | DIODE             | 1SS270TJ        |         |     |      |       |
| D 2006 | G2060004  | DIODE             | 1SS270TJ        |         |     |      |       |
| D 2007 | G2060004  | DIODE             | 1SS270TJ        |         |     |      |       |
| D 2008 | G2060004  | DIODE             | 1SS270TJ        |         |     |      |       |
| D 2009 | G2060004  | DIODE             | 1SS270TJ        |         |     |      |       |
| D 2010 | G2090180  | DIODE             | FC-53M-5        |         |     |      |       |
| D 2011 | G9090007  | VARISTOR          | MV-12 (KB265)   |         |     |      |       |
| D 2012 | G2060011  | DIODE             | 1SS198TJ        |         |     |      |       |
| D 2013 | G2060011  | DIODE             | 1SS198TJ        |         |     |      |       |
| D 2014 | G2090272  | DIODE             | HZ9A2           |         |     |      |       |
| D 2015 | G2060004  | DIODE             | 1SS270TJ        |         |     |      |       |
| D 2016 | G2060004  | DIODE             | 1SS270TJ        |         |     |      |       |
| D 2017 | G2060004  | DIODE             | 1SS270TJ        |         |     |      |       |
| D 2018 | G2090384  | DIODE             | HZ7C2           |         |     |      |       |
| D 2019 | G2060004  | DIODE             | 1SS270TJ        |         |     |      |       |
| D 2020 | G2060007  | DIODE             | 1SS205-T1       |         |     |      |       |
| D 2021 | G2060004  | DIODE             | 1SS270TJ        |         |     |      |       |
| D 2022 | G2060004  | DIODE             | 1SS270TJ        |         |     |      |       |
| D 2023 | G2060007  | DIODE             | 1SS205-T1       |         |     |      |       |
| D 2024 | G2060004  | DIODE             | 1SS270TJ        |         |     |      |       |
| D 2025 | G2060004  | DIODE             | 1SS270TJ        |         |     |      |       |
| D 2026 | G2060004  | DIODE             | 1SS270TJ        |         |     |      |       |
| D 2027 | G2060004  | DIODE             | 1SS270TJ        |         |     |      |       |
| D 2028 | G2060004  | DIODE             | 1SS270TJ        |         |     |      |       |
| D 2029 | G2060007  | DIODE             | 1SS205-T1       |         |     |      |       |
| D 2030 | G2060004  | DIODE             | 1SS270TJ        |         |     |      |       |
| D 2031 | G2060004  | DIODE             | 1SS270TJ        |         |     |      |       |
| D 2032 | G2060004  | DIODE             | 1SS270TJ        |         |     |      |       |
| D 2033 | G2060004  | DIODE             | 1SS270TJ        |         |     |      |       |
| D 2034 | G2090305  | DIODE             | HZ5B3           |         |     |      |       |
| D 2035 | G2060004  | DIODE             | 1SS270TJ        |         |     |      |       |
| D 2036 | G2060004  | DIODE             | 1SS270TJ        |         |     |      |       |
| D 2037 | G2060004  | DIODE             | 1SS270TJ        |         |     |      |       |
| D 2038 | G2060011  | DIODE             | 1SS198TJ        |         |     |      |       |
| D 2039 | G2060011  | DIODE             | 1SS198TJ        |         |     |      |       |

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|--------|-----------|-------------|------------------|-------|----|------|-------|
| D 2040 | G2060011  | DIODE       | 1SS198TJ         |       |    |      |       |
| D 2041 | G2060011  | DIODE       | 1SS198TJ         |       |    |      |       |
| D 2042 | G2060004  | DIODE       | 1SS270TJ         |       |    |      |       |
| D 2043 | G2060004  | DIODE       | 1SS270TJ         |       |    |      |       |
| D 2044 | G2060004  | DIODE       | 1SS270TJ         |       |    |      |       |
| D 2045 | G2060004  | DIODE       | 1SS270TJ         |       |    |      |       |
| D 2046 | G2060004  | DIODE       | 1SS270TJ         |       |    |      |       |
| D 2047 | G2060004  | DIODE       | 1SS270TJ         |       |    |      |       |
| D 2048 | G2060004  | DIODE       | 1SS270TJ         |       |    |      |       |
| D 2049 | G2060004  | DIODE       | 1SS270TJ         |       |    |      |       |
| D 2050 | G2090180  | DIODE       | FC-53M-5         |       |    |      |       |
| D 2051 | G2060004  | DIODE       | 1SS270TJ         |       |    |      |       |
| D 2052 | G2090155  | DIODE       | RD9. 1EB2        |       |    |      |       |
| D 2053 | G2060004  | DIODE       | 1SS270TJ         |       |    |      |       |
| D 2054 | G2060004  | DIODE       | 1SS270TJ         |       |    |      |       |
| D 2055 | G2060004  | DIODE       | 1SS270TJ         |       |    |      |       |
| D 2056 | G2060004  | DIODE       | 1SS270TJ         |       |    |      |       |
| D 2057 | G2060004  | DIODE       | 1SS270TJ         |       |    |      |       |
| D 2058 | G2090118  | DIODE       | 1SS97            |       |    |      |       |
| D 2059 | G2090118  | DIODE       | 1SS97            |       |    |      |       |
| D 2060 | G2060004  | DIODE       | 1SS270TJ         |       |    |      |       |
| J 2001 | P1090255  | CONNECTOR   | TMP-J01X-A2      |       |    |      |       |
| J 2002 | P0090741  | CONNECTOR   | EC1C-22P-2. 5DSA |       |    |      |       |
| J 2003 | P0090741  | CONNECTOR   | EC1C-22P-2. 5DSA |       |    |      |       |
| JP2009 | T9206063  | WIRE-ASSY   |                  |       |    |      |       |
| JP2011 | T9206064A | WIRE-ASSY   |                  |       |    |      |       |
| L 2001 | L1790164  | M. RFC      | LAL03VB102K      | 1mH   |    |      |       |
| L 2002 | L0022108  | COIL        | 18. 0U R12-L282X |       |    |      |       |
| L 2003 | L1790070  | M. RFC      | LAP02TA101K      | 100uH |    |      |       |
| L 2004 | L1790070  | M. RFC      | LAP02TA101K      | 100uH |    |      |       |
| L 2005 | L1790070  | M. RFC      | LAP02TA101K      | 100uH |    |      |       |
| L 2006 | L1790070  | M. RFC      | LAP02TA101K      | 100uH |    |      |       |
| L 2007 | L1790070  | M. RFC      | LAP02TA101K      | 100uH |    |      |       |
| L 2008 | L1790070  | M. RFC      | LAP02TA101K      | 100uH |    |      |       |
| L 2009 | L1790074  | M. RFC      | LAP02TA221K      | 220uH |    |      |       |
| L 2010 | L0021610  | COIL        | 455K R12-E453A   |       |    |      |       |
| L 2011 | L1790164  | M. RFC      | LAL03VB102K      | 1mH   |    |      |       |
| L 2012 | L1790164  | M. RFC      | LAL03VB102K      | 1mH   |    |      |       |
| L 2013 | L1790164  | M. RFC      | LAL03VB102K      | 1mH   |    |      |       |
| L 2014 | L1790164  | M. RFC      | LAL03VB102K      | 1mH   |    |      |       |
| Q 2001 | G4801317B | FET         | 3SK131-T2B V12   |       |    |      |       |
| Q 2002 | G4801317B | FET         | 3SK131-T2B V12   |       |    |      |       |
| Q 2003 | G3327127G | TRANSISTOR  | 2SC2712GR TE85R  |       |    |      |       |
| Q 2004 | G3327127G | TRANSISTOR  | 2SC2712GR TE85R  |       |    |      |       |
| Q 2005 | G3803027G | FET         | 2SK302GR TE85R   |       |    |      |       |
| Q 2006 | G3803027G | FET         | 2SK302GR TE85R   |       |    |      |       |
| Q 2007 | G3326207B | TRANSISTOR  | 2SC2620QBTR      |       |    |      |       |
| Q 2008 | G3327127G | TRANSISTOR  | 2SC2712GR TE85R  |       |    |      |       |
| Q 2009 | G3327127G | TRANSISTOR  | 2SC2712GR TE85R  |       |    |      |       |
| Q 2010 | G3070006  | TRANSISTOR  | FA1A4P-T2B       |       |    |      |       |
| Q 2011 | G3803027G | FET         | 2SK302GR TE85R   |       |    |      |       |

# IF Unit

| REF.   | YAESU P/N | DESCRIPTION | MFGR'S DESIG    | VALUE | WV    | TOL. | VERS. |
|--------|-----------|-------------|-----------------|-------|-------|------|-------|
| Q 2012 | G3803027G | FET         | 2SK302GR TE85R  |       |       |      |       |
| Q 2013 | G4801797L | FET         | 3SK179-T2 V02   |       |       |      |       |
| Q 2014 | G3803027G | FET         | 2SK302GR TE85R  |       |       |      |       |
| Q 2015 | G3070006  | TRANSISTOR  | FA1A4P-T2B      |       |       |      |       |
| Q 2016 | G3070006  | TRANSISTOR  | FA1A4P-T2B      |       |       |      |       |
| Q 2017 | G1090145  | IC          | MC3357P         |       |       |      |       |
| Q 2018 | G3070006  | TRANSISTOR  | FA1A4P-T2B      |       |       |      |       |
| Q 2019 | G1090101  | IC          | UPC1037H        |       |       |      |       |
| Q 2020 | G3327127G | TRANSISTOR  | 2SC2712GR TE85R |       |       |      |       |
| Q 2021 | G1090101  | IC          | UPC1037H        |       |       |      |       |
| Q 2022 | G1091140  | IC          | M5218AL         |       |       |      |       |
| Q 2023 | G3801607F | FET         | 2SK160-T2B K6   |       |       |      |       |
| Q 2024 | G1091140  | IC          | M5218AL         |       |       |      |       |
| Q 2025 | G3327127G | TRANSISTOR  | 2SC2712GR TE85R |       |       |      |       |
| Q 2026 | G3070006  | TRANSISTOR  | FA1A4P-T2B      |       |       |      |       |
| Q 2027 | G3327127G | TRANSISTOR  | 2SC2712GR TE85R |       |       |      |       |
| Q 2028 | G3070006  | TRANSISTOR  | FA1A4P-T2B      |       |       |      |       |
| Q 2029 | G3327127G | TRANSISTOR  | 2SC2712GR TE85R |       |       |      |       |
| Q 2030 | G3327127G | TRANSISTOR  | 2SC2712GR TE85R |       |       |      |       |
| Q 2031 | G3327127G | TRANSISTOR  | 2SC2712GR TE85R |       |       |      |       |
| Q 2032 | G4801317B | FET         | 3SK131-T2B V12  |       |       |      |       |
| Q 2033 | G4801317B | FET         | 3SK131-T2B V12  |       |       |      |       |
| Q 2034 | G3802107G | FET         | 2SK210GR TE85R  |       |       |      |       |
| Q 2035 | G3111627G | TRANSISTOR  | 2SA1162GR TE85R |       |       |      |       |
| Q 2036 | G1090413  | IC          | TA7302P         |       |       |      |       |
| Q 2037 | G4801317B | FET         | 3SK131-T2B V12  |       |       |      |       |
| Q 2038 | G3801607F | FET         | 2SK160-T2B K6   |       |       |      |       |
| Q 2039 | G1091140  | IC          | M5218AL         |       |       |      |       |
|        |           |             |                 |       |       |      |       |
| R 2001 | J24205102 | CHIP RES.   | RMC1/10T 102J   | 1K    | 1/10W |      |       |
| R 2002 | J24205104 | CHIP RES.   | RMC1/10T 104J   | 100K  | 1/10W |      |       |
| R 2003 | J24205331 | CHIP RES.   | RMC1/10T 331J   | 330   | 1/10W |      |       |
| R 2005 | J24205101 | CHIP RES.   | RMC1/10T 101J   | 100   | 1/10W |      |       |
| R 2006 | J24205102 | CHIP RES.   | RMC1/10T 102J   | 1K    | 1/10W |      |       |
| R 2007 | J24205103 | CHIP RES.   | RMC1/10T 103J   | 10K   | 1/10W |      |       |
| R 2008 | J24205221 | CHIP RES.   | RMC1/10T 221J   | 220   | 1/10W |      |       |
| R 2009 | J24205103 | CHIP RES.   | RMC1/10T 103J   | 10K   | 1/10W |      |       |
| R 2010 | J24205101 | CHIP RES.   | RMC1/10T 101J   | 100   | 1/10W |      |       |
| R 2011 | J24205103 | CHIP RES.   | RMC1/10T 103J   | 10K   | 1/10W |      |       |
| R 2012 | J24205104 | CHIP RES.   | RMC1/10T 104J   | 100K  | 1/10W |      |       |
| R 2013 | J24205103 | CHIP RES.   | RMC1/10T 103J   | 10K   | 1/10W |      |       |
| R 2014 | J24205472 | CHIP RES.   | RMC1/10T 472J   | 4.7K  | 1/10W |      |       |
| R 2015 | J24205473 | CHIP RES.   | RMC1/10T 473J   | 47K   | 1/10W |      |       |
| R 2016 | J24205472 | CHIP RES.   | RMC1/10T 472J   | 4.7K  | 1/10W |      |       |
| R 2017 | J24205471 | CHIP RES.   | RMC1/10T 471J   | 470   | 1/10W |      |       |
| R 2018 | J24205471 | CHIP RES.   | RMC1/10T 471J   | 470   | 1/10W |      |       |
| R 2019 | J24205123 | CHIP RES.   | RMC1/10T 123J   | 12K   | 1/10W |      |       |
| R 2020 | J24205103 | CHIP RES.   | RMC1/10T 103J   | 10K   | 1/10W |      |       |
| R 2021 | J24205153 | CHIP RES.   | RMC1/10T 153J   | 15K   | 1/10W |      |       |
| R 2022 | J24205101 | CHIP RES.   | RMC1/10T 101J   | 100   | 1/10W |      |       |
| R 2023 | J24205103 | CHIP RES.   | RMC1/10T 103J   | 10K   | 1/10W |      |       |
| R 2024 | J24205472 | CHIP RES.   | RMC1/10T 472J   | 4.7K  | 1/10W |      |       |
| R 2025 | J24205472 | CHIP RES.   | RMC1/10T 472J   | 4.7K  | 1/10W |      |       |
| R 2026 | J24205222 | CHIP RES.   | RMC1/10T 222J   | 2.2K  | 1/10W |      |       |
| R 2027 | J24205103 | CHIP RES.   | RMC1/10T 103J   | 10K   | 1/10W |      |       |

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 Email:- enquiries@mauritron.co.uk

| REF.   | YAESU P/N | DESCRIPTION      | MFGR'S DESIG   | VALUE | WV    | TOL. | VERS. |
|--------|-----------|------------------|----------------|-------|-------|------|-------|
| R 2028 | J24205103 | CHIP RES.        | RMC1/10T 103J  | 10K   | 1/10W |      |       |
| R 2029 | J24205221 | CHIP RES.        | RMC1/10T 221J  | 220   | 1/10W |      |       |
| R 2030 | J24205472 | CHIP RES.        | RMC1/10T 472J  | 4.7K  | 1/10W |      |       |
| R 2031 | J24205104 | CHIP RES.        | RMC1/10T 104J  | 100K  | 1/10W |      |       |
| R 2032 | J24205223 | CHIP RES.        | RMC1/10T 223J  | 22K   | 1/10W |      |       |
| R 2033 | J24205152 | CHIP RES.        | RMC1/10T 152J  | 1.5K  | 1/10W |      |       |
| R 2034 | J24205104 | CHIP RES.        | RMC1/10T 104J  | 100K  | 1/10W |      |       |
| R 2035 | J24205333 | CHIP RES.        | RMC1/10T 333J  | 33K   | 1/10W |      |       |
| R 2036 | J24205103 | CHIP RES.        | RMC1/10T 103J  | 10K   | 1/10W |      |       |
| R 2037 | J24205102 | CHIP RES.        | RMC1/10T 102J  | 1K    | 1/10W |      |       |
| R 2038 | J24205221 | CHIP RES.        | RMC1/10T 221J  | 220   | 1/10W |      |       |
| R 2039 | J24205471 | CHIP RES.        | RMC1/10T 471J  | 470   | 1/10W |      |       |
| R 2040 | J24205332 | CHIP RES.        | RMC1/10T 332J  | 3.3K  | 1/10W |      |       |
| R 2041 | J24205103 | CHIP RES.        | RMC1/10T 103J  | 10K   | 1/10W |      |       |
| R 2042 | J24205153 | CHIP RES.        | RMC1/10T 153J  | 15K   | 1/10W |      |       |
| R 2043 | J24205221 | CHIP RES.        | RMC1/10T 221J  | 220   | 1/10W |      |       |
| R 2044 | J24205103 | CHIP RES.        | RMC1/10T 103J  | 10K   | 1/10W |      |       |
| R 2045 | J07225221 | CARBON FILM RES. | RD16TPJ221 220 | 220   | 1/6W  |      |       |
| R 2046 | J24205103 | CHIP RES.        | RMC1/10T 103J  | 10K   | 1/10W |      |       |
| R 2047 | J24205101 | CHIP RES.        | RMC1/10T 101J  | 100   | 1/10W |      |       |
| R 2048 | J24205102 | CHIP RES.        | RMC1/10T 102J  | 1K    | 1/10W |      |       |
| R 2049 | J24205102 | CHIP RES.        | RMC1/10T 102J  | 1K    | 1/10W |      |       |
| R 2050 | J24205103 | CHIP RES.        | RMC1/10T 103J  | 10K   | 1/10W |      |       |
| R 2051 | J24205101 | CHIP RES.        | RMC1/10T 101J  | 100   | 1/10W |      |       |
| R 2052 | J24205103 | CHIP RES.        | RMC1/10T 103J  | 10K   | 1/10W |      |       |
| R 2053 | J24205151 | CHIP RES.        | RMC1/10T 151J  | 150   | 1/10W |      |       |
| R 2054 | J24205101 | CHIP RES.        | RMC1/10T 101J  | 100   | 1/10W |      |       |
| R 2055 | J24205681 | CHIP RES.        | RMC1/10T 681J  | 680   | 1/10W |      |       |
| R 2056 | J24205392 | CHIP RES.        | RMC1/10T 392J  | 3.9K  | 1/10W |      |       |
| R 2057 | J24205472 | CHIP RES.        | RMC1/10T 472J  | 4.7K  | 1/10W |      |       |
| R 2058 | J24205101 | CHIP RES.        | RMC1/10T 101J  | 100   | 1/10W |      |       |
| R 2059 | J24205104 | CHIP RES.        | RMC1/10T 104J  | 100K  | 1/10W |      |       |
| R 2060 | J24205102 | CHIP RES.        | RMC1/10T 102J  | 1K    | 1/10W |      |       |
| R 2061 | J24205101 | CHIP RES.        | RMC1/10T 101J  | 100   | 1/10W |      |       |
| R 2062 | J24205102 | CHIP RES.        | RMC1/10T 102J  | 1K    | 1/10W |      |       |
| R 2063 | J24205472 | CHIP RES.        | RMC1/10T 472J  | 4.7K  | 1/10W |      |       |
| R 2064 | J24205821 | CHIP RES.        | RMC1/10T 821J  | 820   | 1/10W |      |       |
| R 2066 | J24205334 | CHIP RES.        | RMC1/10T 334J  | 330K  | 1/10W |      |       |
| R 2067 | J24205153 | CHIP RES.        | RMC1/10T 153J  | 15K   | 1/10W |      |       |
| R 2068 | J24205152 | CHIP RES.        | RMC1/10T 152J  | 1.5K  | 1/10W |      |       |
| R 2069 | J24205822 | CHIP RES.        | RMC1/10T 822J  | 8.2K  | 1/10W |      |       |
| R 2070 | J24205152 | CHIP RES.        | RMC1/10T 152J  | 1.5K  | 1/10W |      |       |
| R 2071 | J24205473 | CHIP RES.        | RMC1/10T 473J  | 47K   | 1/10W |      |       |
| R 2072 | J24205222 | CHIP RES.        | RMC1/10T 222J  | 2.2K  | 1/10W |      |       |
| R 2073 | J24205222 | CHIP RES.        | RMC1/10T 222J  | 2.2K  | 1/10W |      |       |
| R 2074 | J24205471 | CHIP RES.        | RMC1/10T 471J  | 470   | 1/10W |      |       |
| R 2075 | J24205154 | CHIP RES.        | RMC1/10T 154J  | 150K  | 1/10W |      |       |
| R 2076 | J07225221 | CARBON FILM RES. | RD16TPJ221 220 | 220   | 1/6W  |      |       |
| R 2077 | J24205101 | CHIP RES.        | RMC1/10T 101J  | 100   | 1/10W |      |       |
| R 2078 | J24205820 | CHIP RES.        | RMC1/10T 820J  | 82    | 1/10W |      |       |
| R 2079 | J24205152 | CHIP RES.        | RMC1/10T 152J  | 1.5K  | 1/10W |      |       |
| R 2080 | J24205820 | CHIP RES.        | RMC1/10T 820J  | 82    | 1/10W |      |       |
| R 2081 | J24205101 | CHIP RES.        | RMC1/10T 101J  | 100   | 1/10W |      |       |
| R 2082 | J24205101 | CHIP RES.        | RMC1/10T 101J  | 100   | 1/10W |      |       |
| R 2083 | J24205560 | CHIP RES.        | RMC1/10T 560J  | 56    | 1/10W |      |       |

# IF Unit

| REF.   | YAESU P/N | DESCRIPTION | MFGR'S DESIG  | VALUE | WV    | TOL. | VERS. |
|--------|-----------|-------------|---------------|-------|-------|------|-------|
| R 2084 | J24205222 | CHIP RES.   | RMC1/10T 222J | 2. 2K | 1/10W |      |       |
| R 2085 | J24205560 | CHIP RES.   | RMC1/10T 560J | 56    | 1/10W |      |       |
| R 2086 | J24205101 | CHIP RES.   | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 2087 | J24205101 | CHIP RES.   | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 2088 | J24205101 | CHIP RES.   | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 2089 | J24205102 | CHIP RES.   | RMC1/10T 102J | 1K    | 1/10W |      |       |
| R 2090 | J24205102 | CHIP RES.   | RMC1/10T 102J | 1K    | 1/10W |      |       |
| R 2091 | J24205392 | CHIP RES.   | RMC1/10T 392J | 3. 9K | 1/10W |      |       |
| R 2092 | J24205102 | CHIP RES.   | RMC1/10T 102J | 1K    | 1/10W |      |       |
| R 2093 | J24205101 | CHIP RES.   | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 2094 | J24205101 | CHIP RES.   | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 2095 | J24205472 | CHIP RES.   | RMC1/10T 472J | 4. 7K | 1/10W |      |       |
| R 2096 | J24205391 | CHIP RES.   | RMC1/10T 391J | 390   | 1/10W |      |       |
| R 2097 | J24205332 | CHIP RES.   | RMC1/10T 332J | 3. 3K | 1/10W |      |       |
| R 2098 | J24205221 | CHIP RES.   | RMC1/10T 221J | 220   | 1/10W |      |       |
| R 2099 | J24205223 | CHIP RES.   | RMC1/10T 223J | 22K   | 1/10W |      |       |
| R 2100 | J24205103 | CHIP RES.   | RMC1/10T 103J | 10K   | 1/10W |      |       |
| R 2101 | J24205332 | CHIP RES.   | RMC1/10T 332J | 3. 3K | 1/10W |      |       |
| R 2102 | J24205560 | CHIP RES.   | RMC1/10T 560J | 56    | 1/10W |      |       |
| R 2103 | J24205472 | CHIP RES.   | RMC1/10T 472J | 4. 7K | 1/10W |      |       |
| R 2104 | J24205273 | CHIP RES.   | RMC1/10T 273J | 27K   | 1/10W |      |       |
| R 2105 | J24205391 | CHIP RES.   | RMC1/10T 391J | 390   | 1/10W |      |       |
| R 2106 | J24205103 | CHIP RES.   | RMC1/10T 103J | 10K   | 1/10W |      |       |
| R 2107 | J24205473 | CHIP RES.   | RMC1/10T 473J | 47K   | 1/10W |      |       |
| R 2108 | J24205473 | CHIP RES.   | RMC1/10T 473J | 47K   | 1/10W |      |       |
| R 2109 | J24205102 | CHIP RES.   | RMC1/10T 102J | 1K    | 1/10W |      |       |
| R 2110 | J24205472 | CHIP RES.   | RMC1/10T 472J | 4. 7K | 1/10W |      |       |
| R 2111 | J24205102 | CHIP RES.   | RMC1/10T 102J | 1K    | 1/10W |      |       |
| R 2112 | J24205102 | CHIP RES.   | RMC1/10T 102J | 1K    | 1/10W |      |       |
| R 2113 | J24205392 | CHIP RES.   | RMC1/10T 392J | 3. 9K | 1/10W |      |       |
| R 2114 | J24205101 | CHIP RES.   | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 2115 | J24205104 | CHIP RES.   | RMC1/10T 104J | 100K  | 1/10W |      |       |
| R 2116 | J24205473 | CHIP RES.   | RMC1/10T 473J | 47K   | 1/10W |      |       |
| R 2117 | J24205473 | CHIP RES.   | RMC1/10T 473J | 47K   | 1/10W |      |       |
| R 2118 | J24205154 | CHIP RES.   | RMC1/10T 154J | 150K  | 1/10W |      |       |
| R 2119 | J24205154 | CHIP RES.   | RMC1/10T 154J | 150K  | 1/10W |      |       |
| R 2120 | J24205222 | CHIP RES.   | RMC1/10T 222J | 2. 2K | 1/10W |      |       |
| R 2121 | J24205472 | CHIP RES.   | RMC1/10T 472J | 4. 7K | 1/10W |      |       |
| R 2122 | J24205103 | CHIP RES.   | RMC1/10T 103J | 10K   | 1/10W |      |       |
| R 2123 | J24205155 | CHIP RES.   | RMC1/10T 155J | 1. 5M | 1/10W |      |       |
| R 2124 | J24205473 | CHIP RES.   | RMC1/10T 473J | 47K   | 1/10W |      |       |
| R 2125 | J24205223 | CHIP RES.   | RMC1/10T 223J | 22K   | 1/10W |      |       |
| R 2126 | J24205101 | CHIP RES.   | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 2127 | J24205154 | CHIP RES.   | RMC1/10T 154J | 150K  | 1/10W |      |       |
| R 2128 | J24205103 | CHIP RES.   | RMC1/10T 103J | 10K   | 1/10W |      |       |
| R 2129 | J24205102 | CHIP RES.   | RMC1/10T 102J | 1K    | 1/10W |      |       |
| R 2130 | J24205104 | CHIP RES.   | RMC1/10T 104J | 100K  | 1/10W |      |       |
| R 2131 | J24205105 | CHIP RES.   | RMC1/10T 105J | 1M    | 1/10W |      |       |
| R 2132 | J24205472 | CHIP RES.   | RMC1/10T 472J | 4. 7K | 1/10W |      |       |
| R 2133 | J24205101 | CHIP RES.   | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 2134 | J24205472 | CHIP RES.   | RMC1/10T 472J | 4. 7K | 1/10W |      |       |
| R 2135 | J24205101 | CHIP RES.   | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 2136 | J24205472 | CHIP RES.   | RMC1/10T 472J | 4. 7K | 1/10W |      |       |
| R 2137 | J24205101 | CHIP RES.   | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 2138 | J24205472 | CHIP RES.   | RMC1/10T 472J | 4. 7K | 1/10W |      |       |

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| REF.   | YAESU P/N | DESCRIPTION | MFGR'S DESIG  | VALUE | WV    | TOL. | VERS. |
|--------|-----------|-------------|---------------|-------|-------|------|-------|
| R 2139 | J24205101 | CHIP RES.   | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 2140 | J24205472 | CHIP RES.   | RMC1/10T 472J | 4.7K  | 1/10W |      |       |
| R 2141 | J24205101 | CHIP RES.   | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 2142 | J24205472 | CHIP RES.   | RMC1/10T 472J | 4.7K  | 1/10W |      |       |
| R 2143 | J24205101 | CHIP RES.   | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 2144 | J24205332 | CHIP RES.   | RMC1/10T 332J | 3.3K  | 1/10W |      |       |
| R 2145 | J24205334 | CHIP RES.   | RMC1/10T 334J | 330K  | 1/10W |      |       |
| R 2146 | J24205334 | CHIP RES.   | RMC1/10T 334J | 330K  | 1/10W |      |       |
| R 2147 | J24205102 | CHIP RES.   | RMC1/10T 102J | 1K    | 1/10W |      |       |
| R 2148 | J24205102 | CHIP RES.   | RMC1/10T 102J | 1K    | 1/10W |      |       |
| R 2149 | J24205103 | CHIP RES.   | RMC1/10T 103J | 10K   | 1/10W |      |       |
| R 2150 | J24205104 | CHIP RES.   | RMC1/10T 104J | 100K  | 1/10W |      |       |
| R 2151 | J24205472 | CHIP RES.   | RMC1/10T 472J | 4.7K  | 1/10W |      |       |
| R 2152 | J24205102 | CHIP RES.   | RMC1/10T 102J | 1K    | 1/10W |      |       |
| R 2153 | J24205104 | CHIP RES.   | RMC1/10T 104J | 100K  | 1/10W |      |       |
| R 2154 | J24205103 | CHIP RES.   | RMC1/10T 103J | 10K   | 1/10W |      |       |
| R 2155 | J24205101 | CHIP RES.   | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 2156 | J24205104 | CHIP RES.   | RMC1/10T 104J | 100K  | 1/10W |      |       |
| R 2157 | J24205104 | CHIP RES.   | RMC1/10T 104J | 100K  | 1/10W |      |       |
| R 2158 | J24205102 | CHIP RES.   | RMC1/10T 102J | 1K    | 1/10W |      |       |
| R 2159 | J24205104 | CHIP RES.   | RMC1/10T 104J | 100K  | 1/10W |      |       |
| R 2160 | J24205683 | CHIP RES.   | RMC1/10T 683J | 68K   | 1/10W |      |       |
| R 2161 | J24205101 | CHIP RES.   | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 2162 | J24205151 | CHIP RES.   | RMC1/10T 151J | 150   | 1/10W |      |       |
| R 2163 | J24205101 | CHIP RES.   | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 2164 | J24205101 | CHIP RES.   | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 2165 | J24205103 | CHIP RES.   | RMC1/10T 103J | 10K   | 1/10W |      |       |
| R 2166 | J24205563 | CHIP RES.   | RMC1/10T 563J | 56K   | 1/10W |      |       |
| R 2167 | J24205151 | CHIP RES.   | RMC1/10T 151J | 150   | 1/10W |      |       |
| R 2168 | J24205101 | CHIP RES.   | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 2169 | J24205332 | CHIP RES.   | RMC1/10T 332J | 3.3K  | 1/10W |      |       |
| R 2170 | J24205101 | CHIP RES.   | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 2171 | J24205104 | CHIP RES.   | RMC1/10T 104J | 100K  | 1/10W |      |       |
| R 2172 | J24205221 | CHIP RES.   | RMC1/10T 221J | 220   | 1/10W |      |       |
| R 2173 | J24205101 | CHIP RES.   | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 2174 | J24205681 | CHIP RES.   | RMC1/10T 681J | 680   | 1/10W |      |       |
| R 2175 | J24205472 | CHIP RES.   | RMC1/10T 472J | 4.7K  | 1/10W |      |       |
| R 2176 | J24205473 | CHIP RES.   | RMC1/10T 473J | 47K   | 1/10W |      |       |
| R 2177 | J24205101 | CHIP RES.   | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 2178 | J24205472 | CHIP RES.   | RMC1/10T 472J | 4.7K  | 1/10W |      |       |
| R 2179 | J24205101 | CHIP RES.   | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 2180 | J24205101 | CHIP RES.   | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 2181 | J24205472 | CHIP RES.   | RMC1/10T 472J | 4.7K  | 1/10W |      |       |
| R 2182 | J24205101 | CHIP RES.   | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 2183 | J24205221 | CHIP RES.   | RMC1/10T 221J | 220   | 1/10W |      |       |
| R 2184 | J24205563 | CHIP RES.   | RMC1/10T 563J | 56K   | 1/10W |      |       |
| R 2185 | J24205103 | CHIP RES.   | RMC1/10T 103J | 10K   | 1/10W |      |       |
| R 2186 | J24205101 | CHIP RES.   | RMC1/10T 101J | 100   | 1/10W |      |       |
| R 2187 | J24205103 | CHIP RES.   | RMC1/10T 103J | 10K   | 1/10W |      |       |
| R 2188 | J24205472 | CHIP RES.   | RMC1/10T 472J | 4.7K  | 1/10W |      |       |
| R 2189 | J24205104 | CHIP RES.   | RMC1/10T 104J | 100K  | 1/10W |      |       |
| R 2190 | J24205103 | CHIP RES.   | RMC1/10T 103J | 10K   | 1/10W |      |       |
| R 2191 | J24205105 | CHIP RES.   | RMC1/10T 105J | 1M    | 1/10W |      |       |
| R 2192 | J24205105 | CHIP RES.   | RMC1/10T 105J | 1M    | 1/10W |      |       |
| R 2193 | J24205333 | CHIP RES.   | RMC1/10T 333J | 33K   | 1/10W |      |       |

# IF Unit

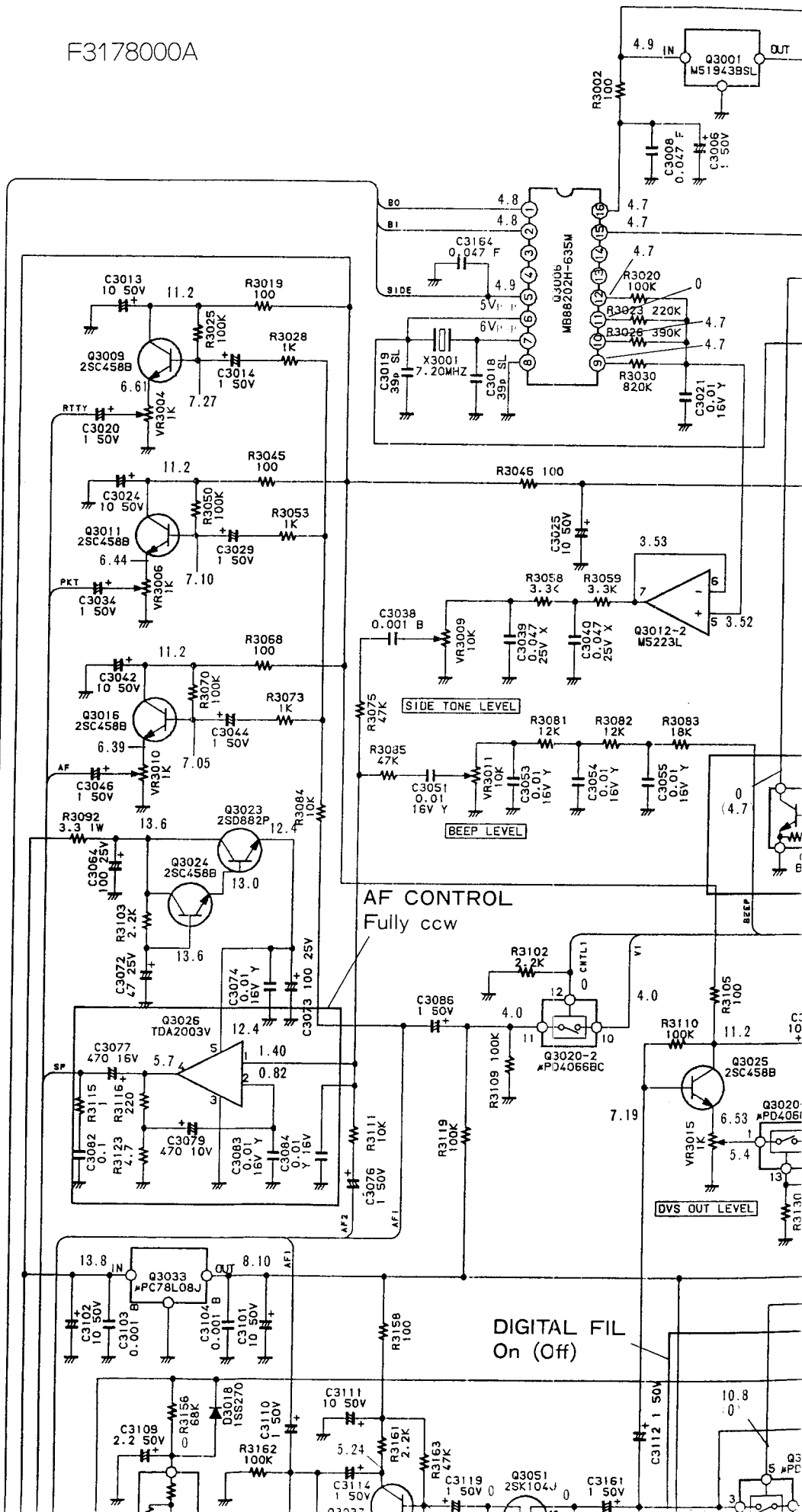
| REF.   | YAESU P/N | DESCRIPTION | MFGR'S DESIG    | VALUE | WV    | TOL. | VERS. |
|--------|-----------|-------------|-----------------|-------|-------|------|-------|
| R 2194 | J24205104 | CHIP RES.   | RMC1/10T 104J   | 100K  | 1/10W |      |       |
| R 2195 | J24205124 | CHIP RES.   | RMC1/10T 124J   | 120K  | 1/10W |      |       |
| R 2196 | J24205104 | CHIP RES.   | RMC1/10T 104J   | 100K  | 1/10W |      |       |
| R 2197 | J24205223 | CHIP RES.   | RMC1/10T 223J   | 22K   | 1/10W |      |       |
| R 2198 | J24205124 | CHIP RES.   | RMC1/10T 124J   | 120K  | 1/10W |      |       |
| R 2199 | J24205333 | CHIP RES.   | RMC1/10T 333J   | 33K   | 1/10W |      |       |
| R 2200 | J24205332 | CHIP RES.   | RMC1/10T 332J   | 3.3K  | 1/10W |      |       |
| R 2201 | J24205104 | CHIP RES.   | RMC1/10T 104J   | 100K  | 1/10W |      |       |
| R 2202 | J24205332 | CHIP RES.   | RMC1/10T 332J   | 3.3K  | 1/10W |      |       |
| R 2203 | J24205332 | CHIP RES.   | RMC1/10T 332J   | 3.3K  | 1/10W |      |       |
| R 2204 | J24205332 | CHIP RES.   | RMC1/10T 332J   | 3.3K  | 1/10W |      |       |
| R 2205 | J24205332 | CHIP RES.   | RMC1/10T 332J   | 3.3K  | 1/10W |      |       |
| R 2206 | J24205103 | CHIP RES.   | RMC1/10T 103J   | 10K   | 1/10W |      |       |
| R 2207 | J24205103 | CHIP RES.   | RMC1/10T 103J   | 10K   | 1/10W |      |       |
| R 2208 | J24205103 | CHIP RES.   | RMC1/10T 103J   | 10K   | 1/10W |      |       |
| R 2209 | J24205103 | CHIP RES.   | RMC1/10T 103J   | 10K   | 1/10W |      |       |
| R 2210 | J24205222 | CHIP RES.   | RMC1/10T 222J   | 2.2K  | 1/10W |      |       |
| R 2211 | J24205103 | CHIP RES.   | RMC1/10T 103J   | 10K   | 1/10W |      |       |
| R 2213 | J24205222 | CHIP RES.   | RMC1/10T 222J   | 2.2K  | 1/10W |      |       |
| R 2214 | J24205223 | CHIP RES.   | RMC1/10T 223J   | 22K   | 1/10W |      |       |
| R 2216 | J24205103 | CHIP RES.   | RMC1/10T 103J   | 10K   | 1/10W |      |       |
| R 2217 | J24205470 | CHIP RES.   | RMC1/10T 470J   | 47    | 1/10W |      |       |
|        |           |             |                 |       |       |      |       |
| T 2001 | L0021541  | COIL        | 10.7M           |       |       |      |       |
| T 2002 | L0021162  | COIL        | 10.7M R12-3909A |       |       |      |       |
| T 2003 | L0021482A | COIL        | 47.0M           |       |       |      |       |
| T 2004 | L0020186B | COIL        | 10.7M 8X376049  |       |       |      |       |
| T 2005 | L0021544  | COIL        | 10.7M           |       |       |      |       |
| T 2006 | L0021541  | COIL        | 10.7M           |       |       |      |       |
| T 2007 | L0021540  | COIL        | 10.7M           |       |       |      |       |
| T 2008 | L0021560  | COIL        | 36.3M           |       |       |      |       |
| T 2009 | L0021162  | COIL        | 10.7M R12-3909A |       |       |      |       |
| T 2010 | L0021225  | COIL        | 47.1M R12-6707A |       |       |      |       |
| T 2011 | L0021225  | COIL        | 47.1M R12-6707A |       |       |      |       |
| T 2012 | L0021225  | COIL        | 47.1M R12-6707A |       |       |      |       |
| T 2013 | L0020910A | COIL        | 10.7M           |       |       |      |       |
| T 2014 | L0021541  | COIL        | 10.7M           |       |       |      |       |
| T 2015 | L0021544  | COIL        | 10.7M           |       |       |      |       |
| T 2016 | L0021541  | COIL        | 10.7M           |       |       |      |       |
| T 2017 | L0190002  | COIL        | 455K            |       |       |      |       |
| T 2018 | L0021162  | COIL        | 10.7M R12-3909A |       |       |      |       |
| T 2019 | L0021541  | COIL        | 10.7M           |       |       |      |       |
| T 2020 | L0020421  | COIL        | R12-7935A       |       |       |      |       |
| T 2021 | L0190002  | COIL        | 455K            |       |       |      |       |
| T 2022 | L0190002  | COIL        | 455K            |       |       |      |       |
| T 2023 | L0020420  | COIL        | R12-7943B       |       |       |      |       |
| T 2024 | L0020421  | COIL        | R12-7935A       |       |       |      |       |
| T 2025 | L0190002  | COIL        | 455K            |       |       |      |       |
|        |           |             |                 |       |       |      |       |
| TH2001 | G9090016  | THERMISTOR  | 112252-2        |       |       |      |       |
| TH2002 | G9090008  | THERMISTOR  | 112102-2        |       |       |      |       |
| TH2003 | G9090039  | THERMISTOR  | 112152-2        |       |       |      |       |
|        |           |             |                 |       |       |      |       |
| TP2001 | Q5000050  | TP-K        | IPS-1136        |       |       |      |       |
| TP2002 | Q5000050  | TP-K        | IPS-1136        |       |       |      |       |

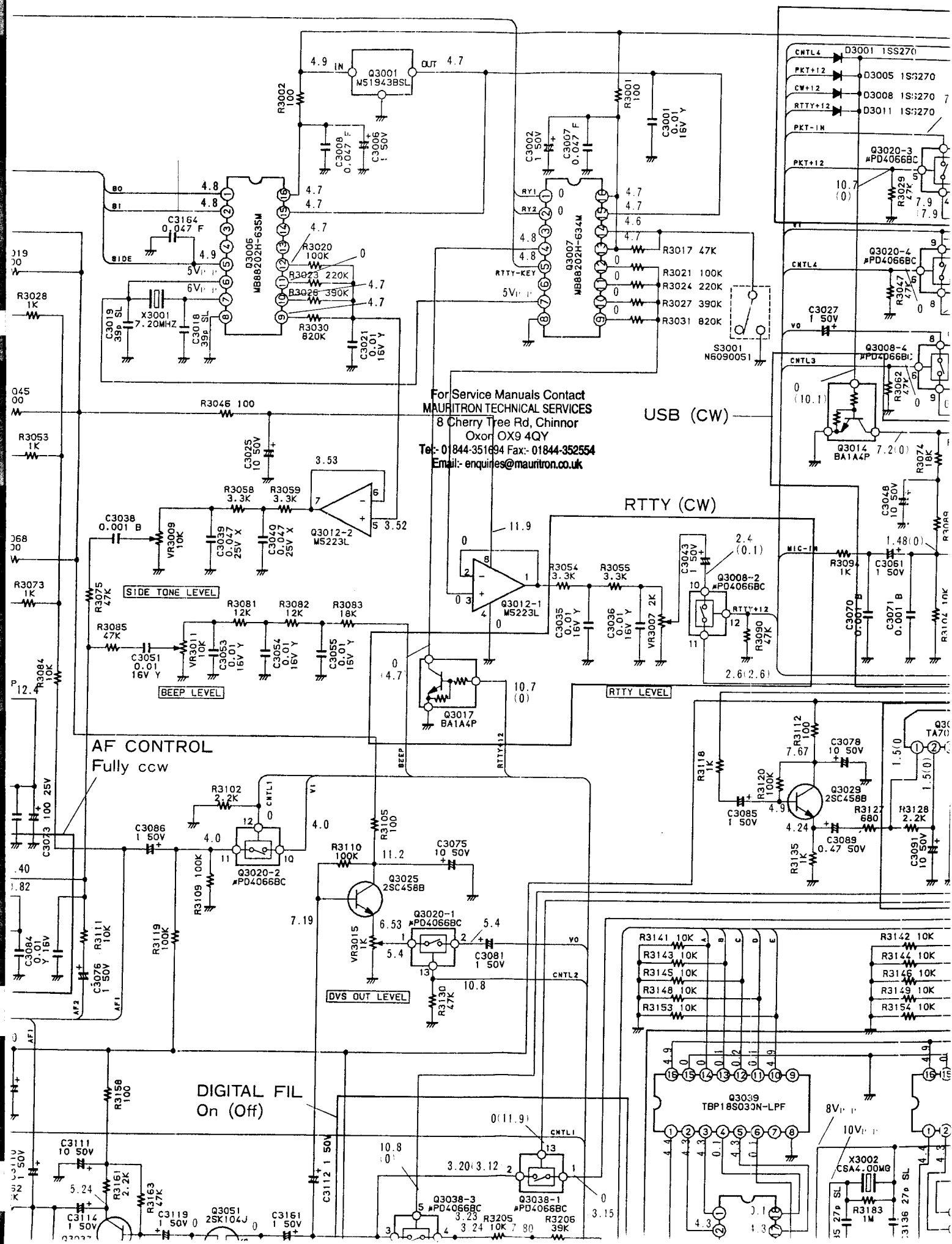
For Service Manuals Contact  
**MAURITRON TECHNICAL SERVICES**  
 8 Cherry Tree Rd, Chinnor  
 Oxon OX9 4QY  
 Tel:- 01844-351694 Fax:- 01844-352554  
 Email:- enquiries@mauritron.co.uk

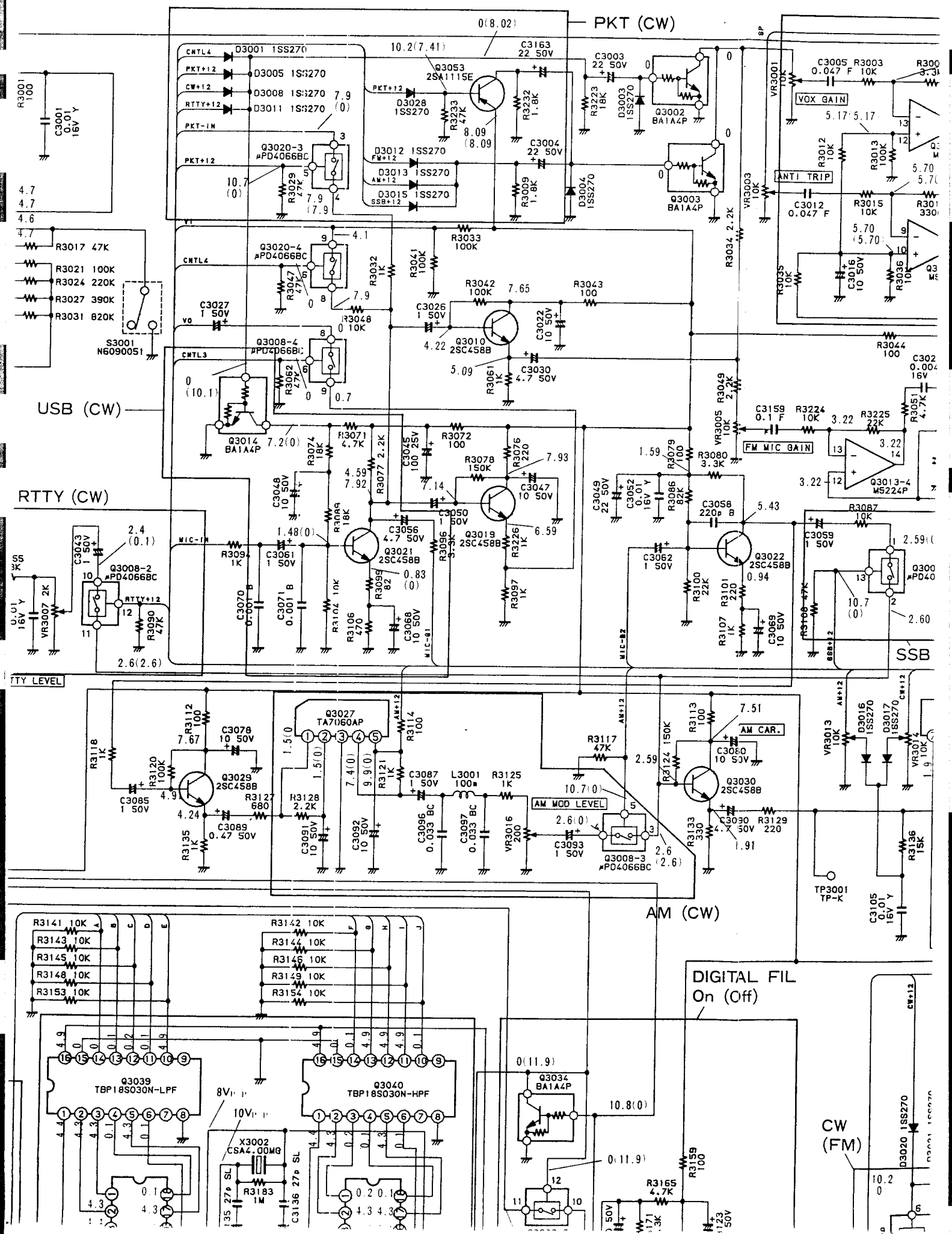
| REF.   | YAESU P/N | DESCRIPTION   | MFGR'S DESIG    | VALUE       | WV   | TOL. | VERS. |
|--------|-----------|---------------|-----------------|-------------|------|------|-------|
| TP2003 | Q5000050  | TP-K          | IPS-1136        |             |      |      |       |
| VR2001 | J51783502 | POT.          | EVN-DXAA03B53   | 5K          |      |      |       |
| VR2002 | J50784202 | POT.          | EVN-DCAA03B23   | 2K          |      |      |       |
| VR2003 | J50784103 | POT.          | EVN-DCAA03B14   | 10K         |      |      |       |
| VR2004 | J50784103 | POT.          | EVN-DCAA03B14   | 10K         |      |      |       |
| VR2005 | J50784103 | POT.          | EVN-DCAA03B14   | 10K         |      |      |       |
| VR2006 | J50784103 | POT.          | EVN-DCAA03B14   | 10K         |      |      |       |
| VR2007 | J50787502 | POT.          | PK502H502V0     | 5K          |      |      |       |
| VR2008 | J50784102 | POT.          | EVN-DCAA03B13   | 1K          |      |      |       |
| VR2009 | J50784102 | POT.          | EVN-DCAA03B13   | 1K          |      |      |       |
| VR2010 | J50784503 | POT.          | EVN-DCAA03B54   | 50K         |      |      |       |
| VR2011 | J50784103 | POT.          | EVN-DCAA03B14   | 10K         |      |      |       |
| X 2001 | H0102985A | XTAL          |                 | 10.94076MHz |      |      |       |
| XF2001 | H1102197  | XTAL FILTER   | 10.9M2.6D       |             |      |      |       |
| XF2002 | H1102192  | XTAL FILTER   | XF-10.9M-202-01 |             |      |      | SSB-N |
| XF2003 | H1102193  | XTAL FILTER   | XF-10.9M-501-01 |             |      |      | CW-W  |
| XF2004 | H1102195  | XTAL FILTER   | 10.9M10         |             |      |      |       |
| XF2005 | H1102164  | XTAL FILTER   | XF-455K-251-01  |             |      |      | CW-N  |
|        | R0137190  | SHIELD CASE   |                 |             | 5X2P |      |       |
|        | R0136960  | FITTING R     |                 |             |      |      |       |
|        | R0136970  | FITTING L     |                 |             |      |      |       |
|        | Q9000032  | SPACER(2 pcs) |                 |             |      |      |       |
|        | R7107410  | FIBER         |                 |             |      |      |       |

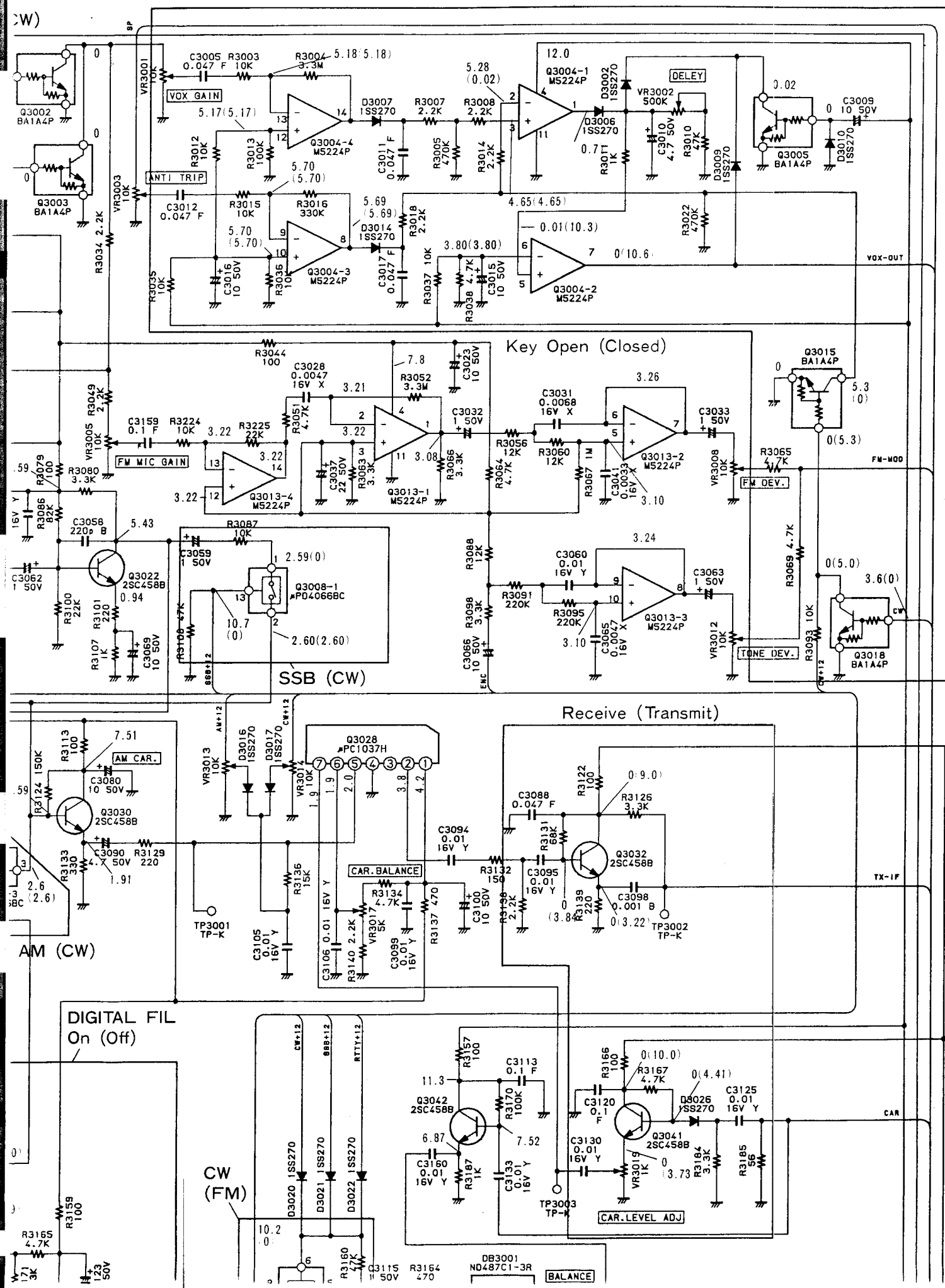
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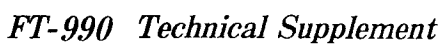
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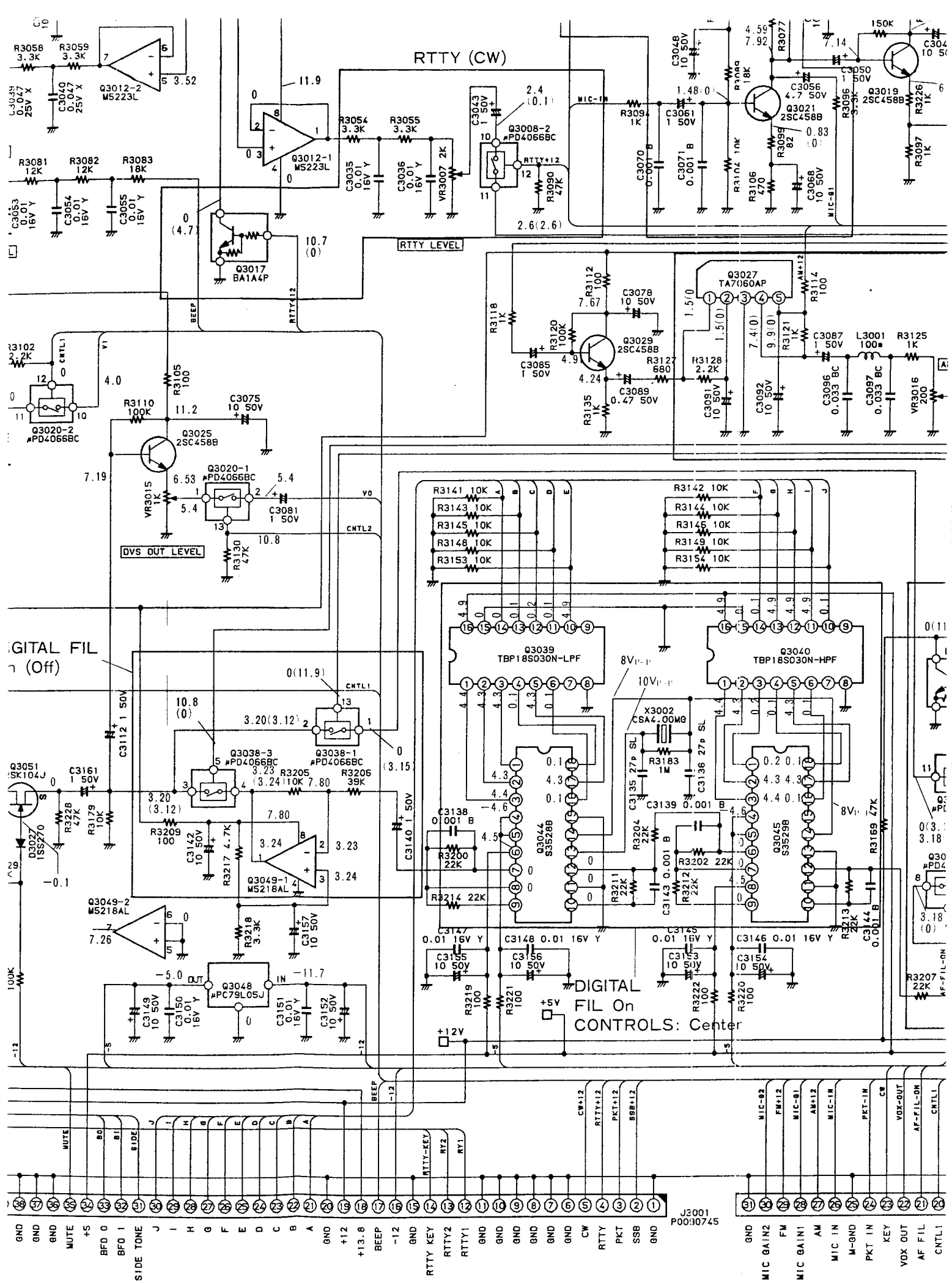




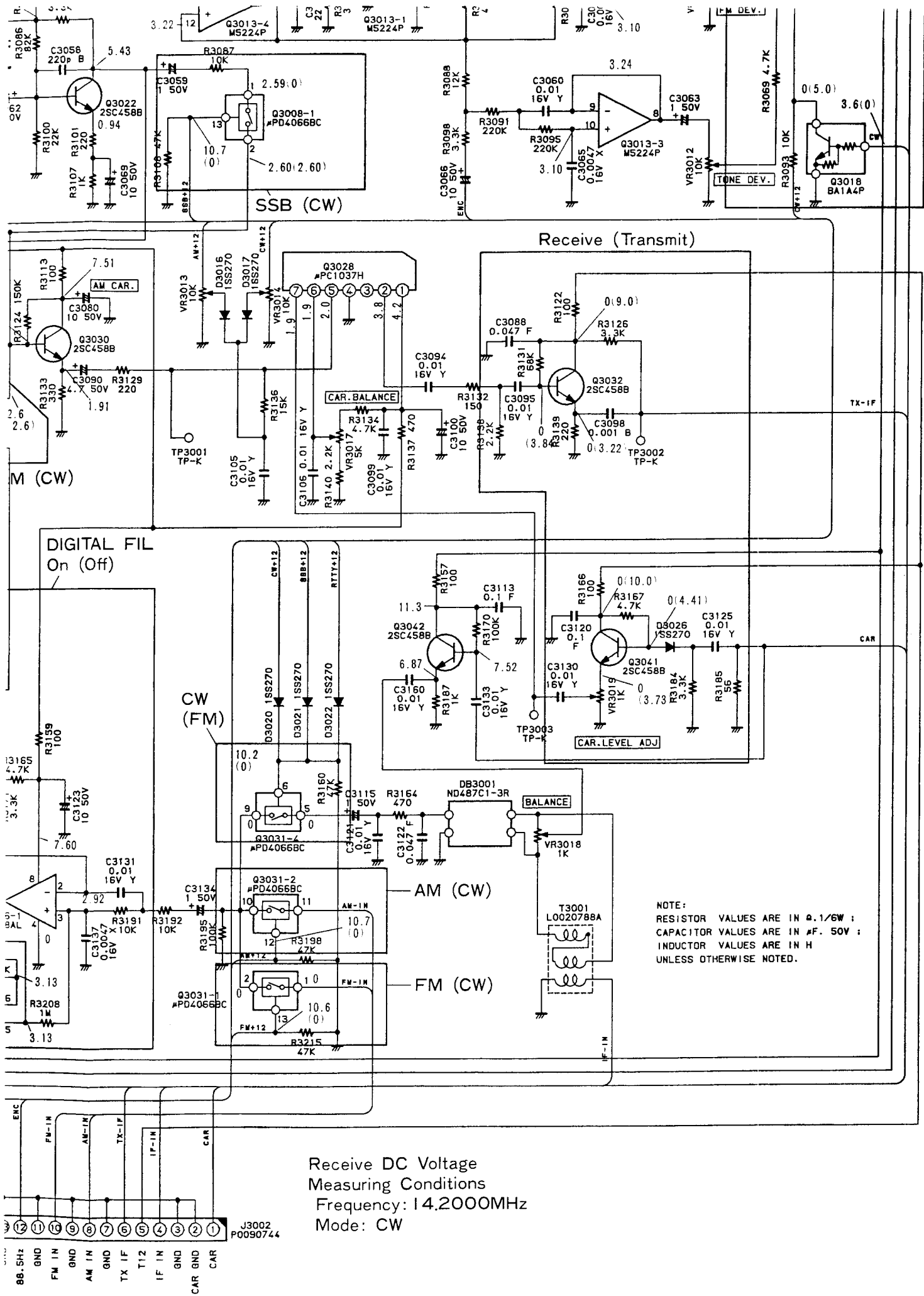






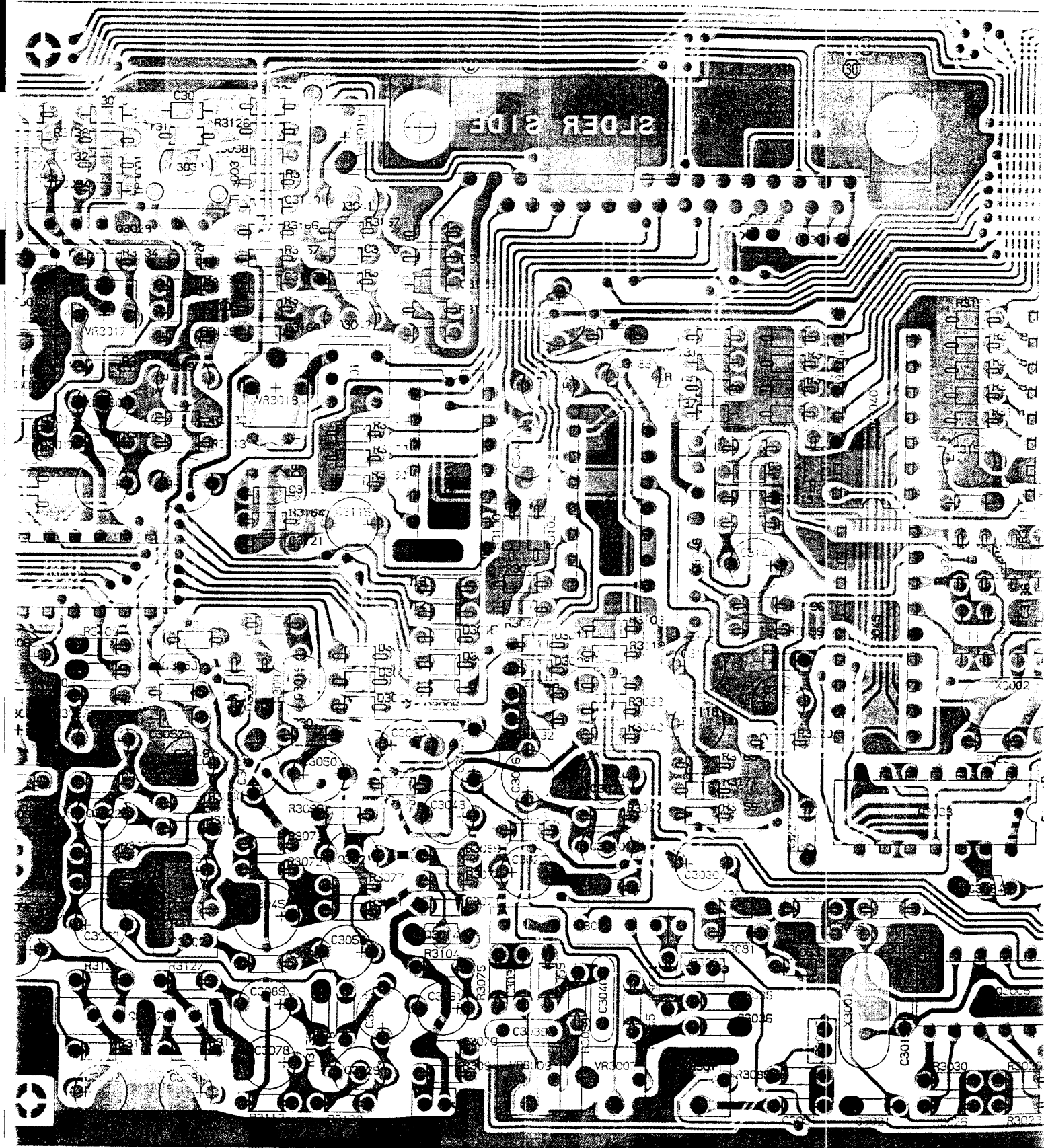








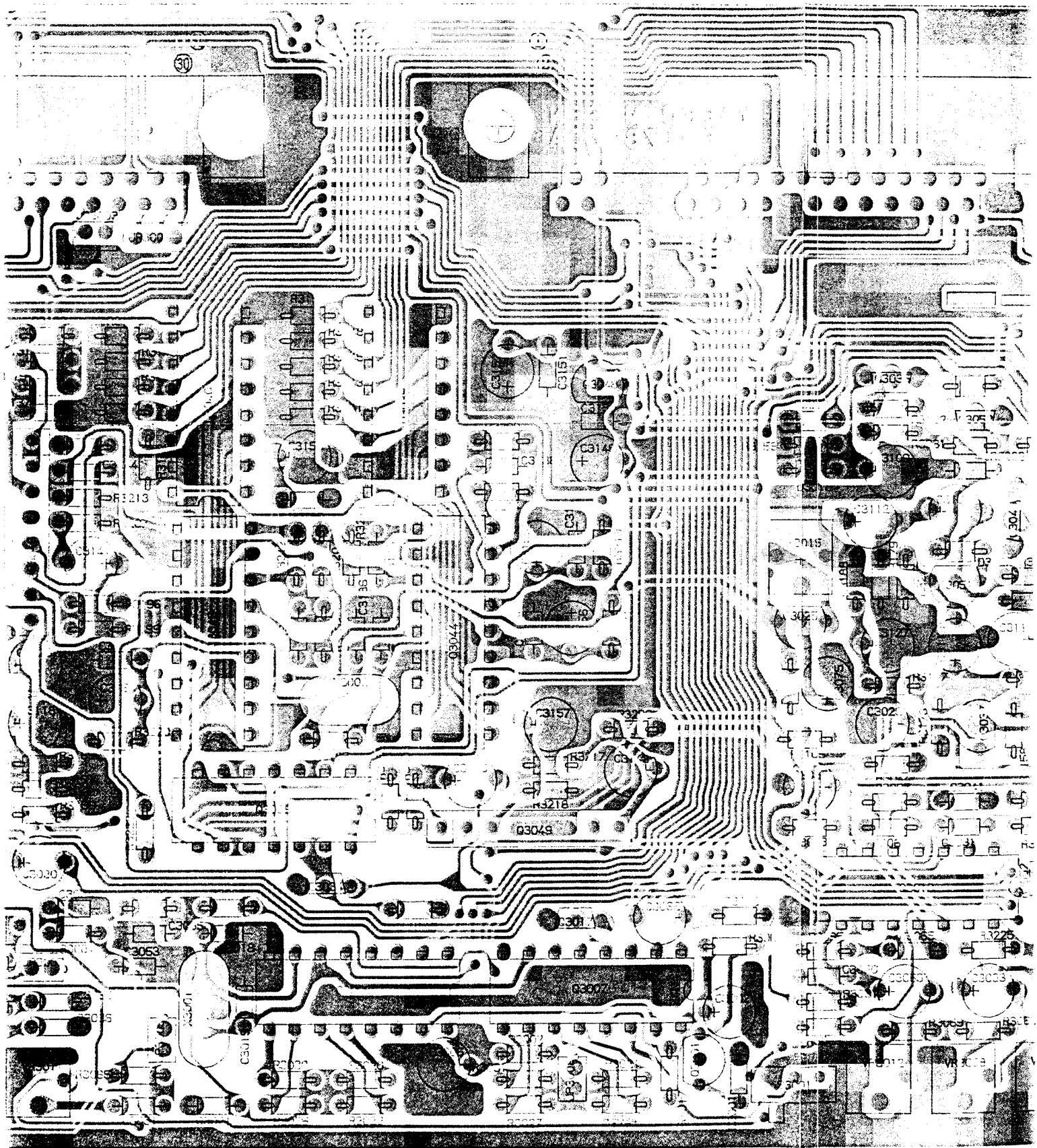
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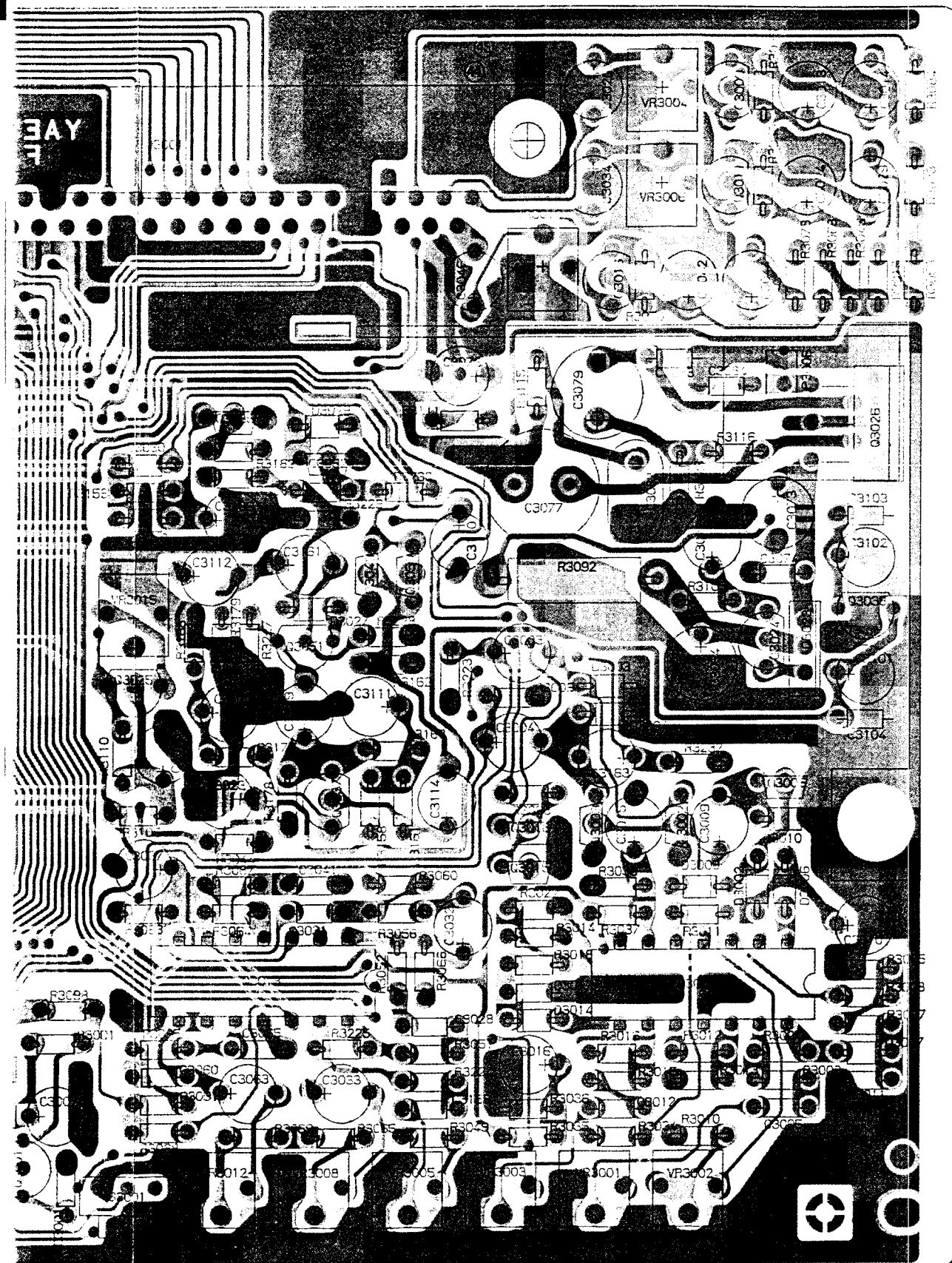
**PIN 16**

- Pin 18

**PIN 2**







(“component” side)

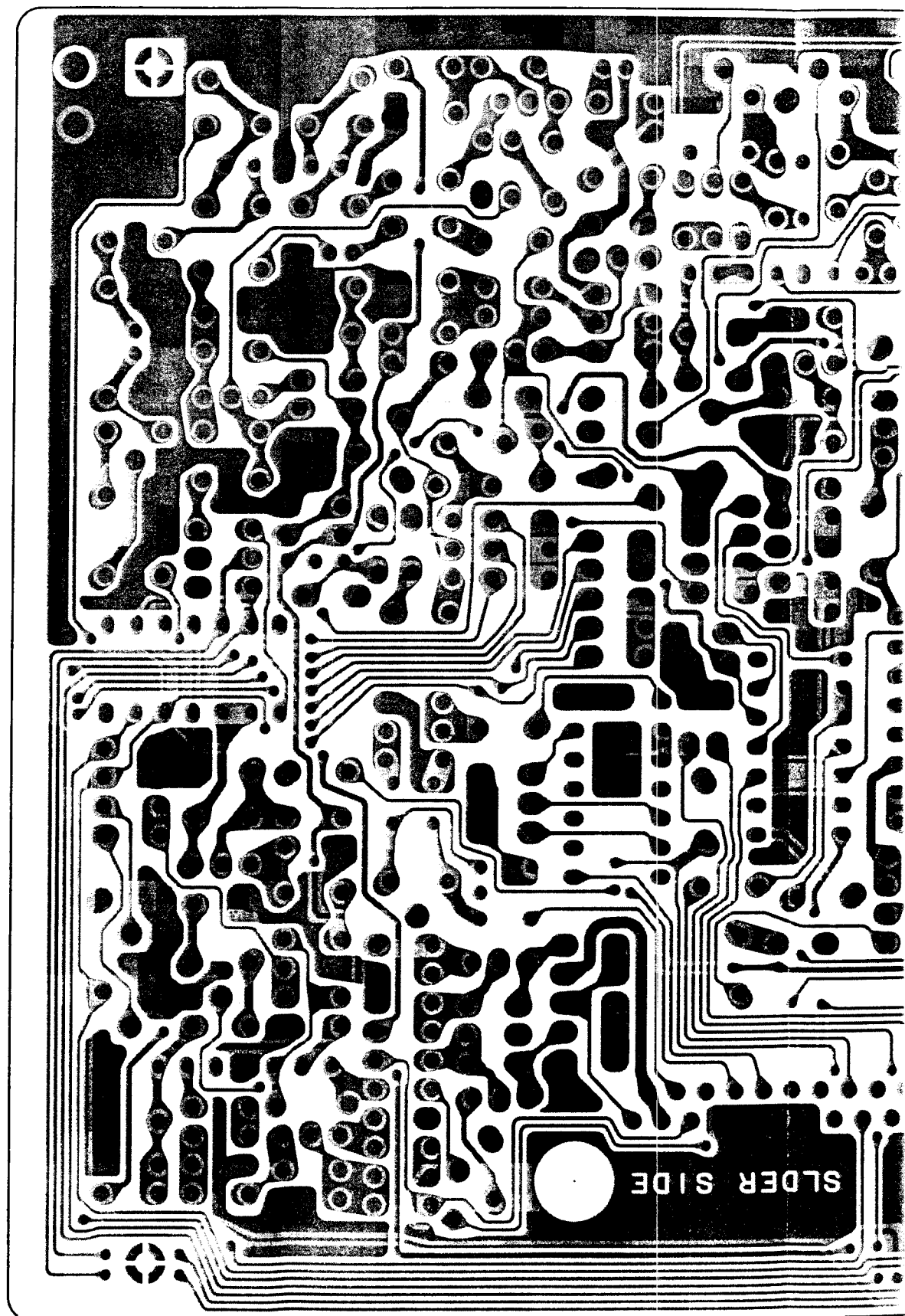




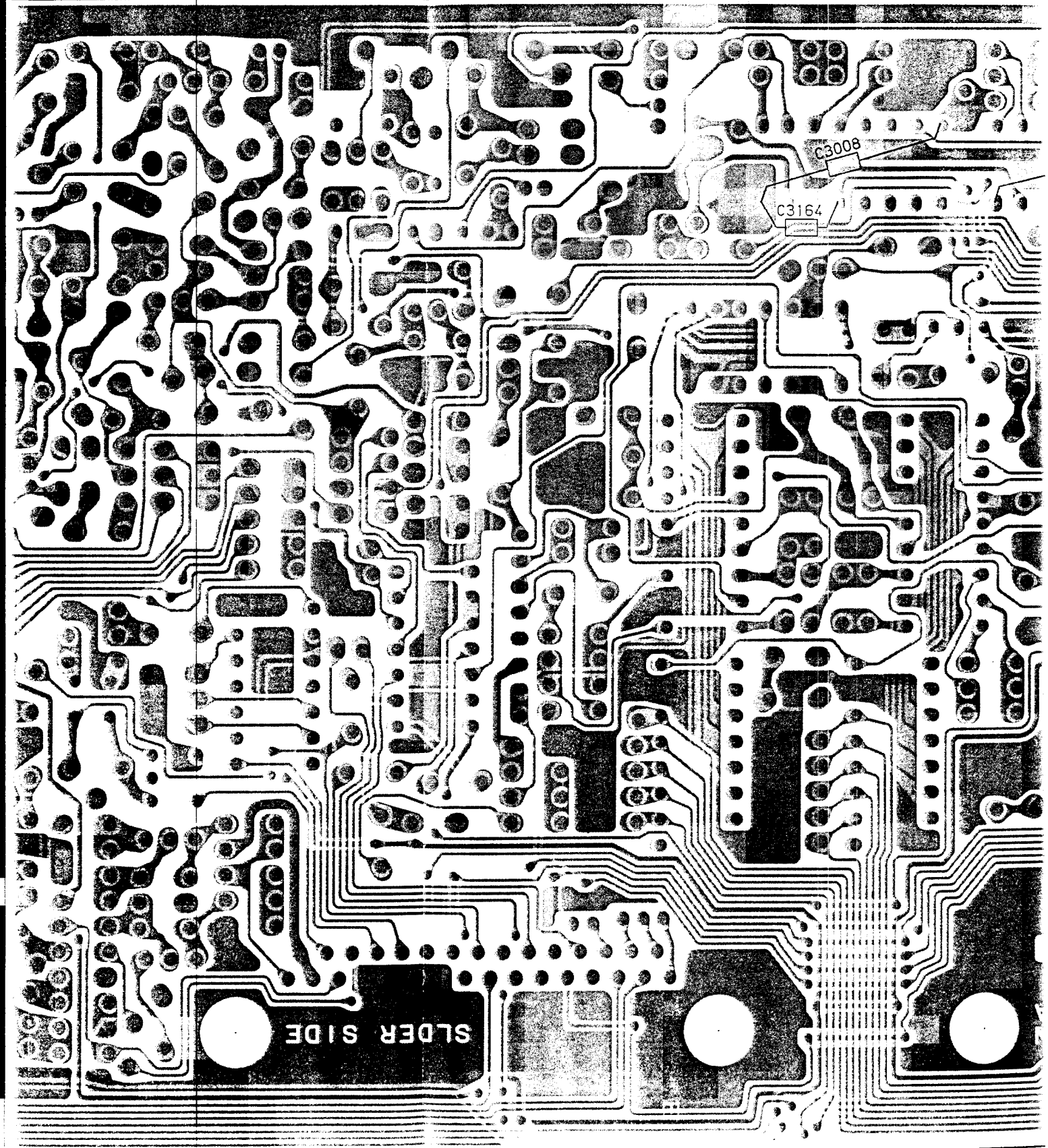




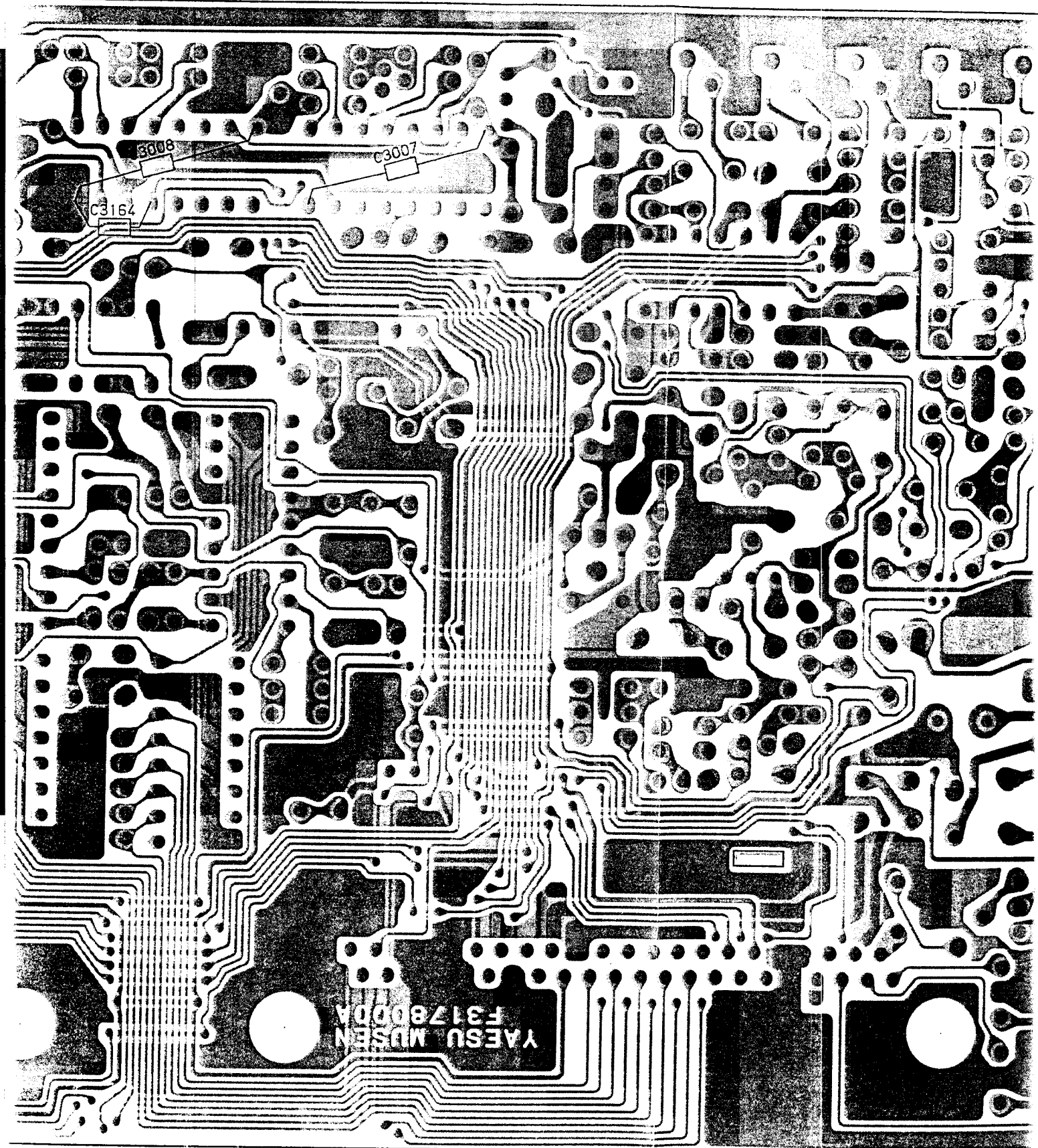


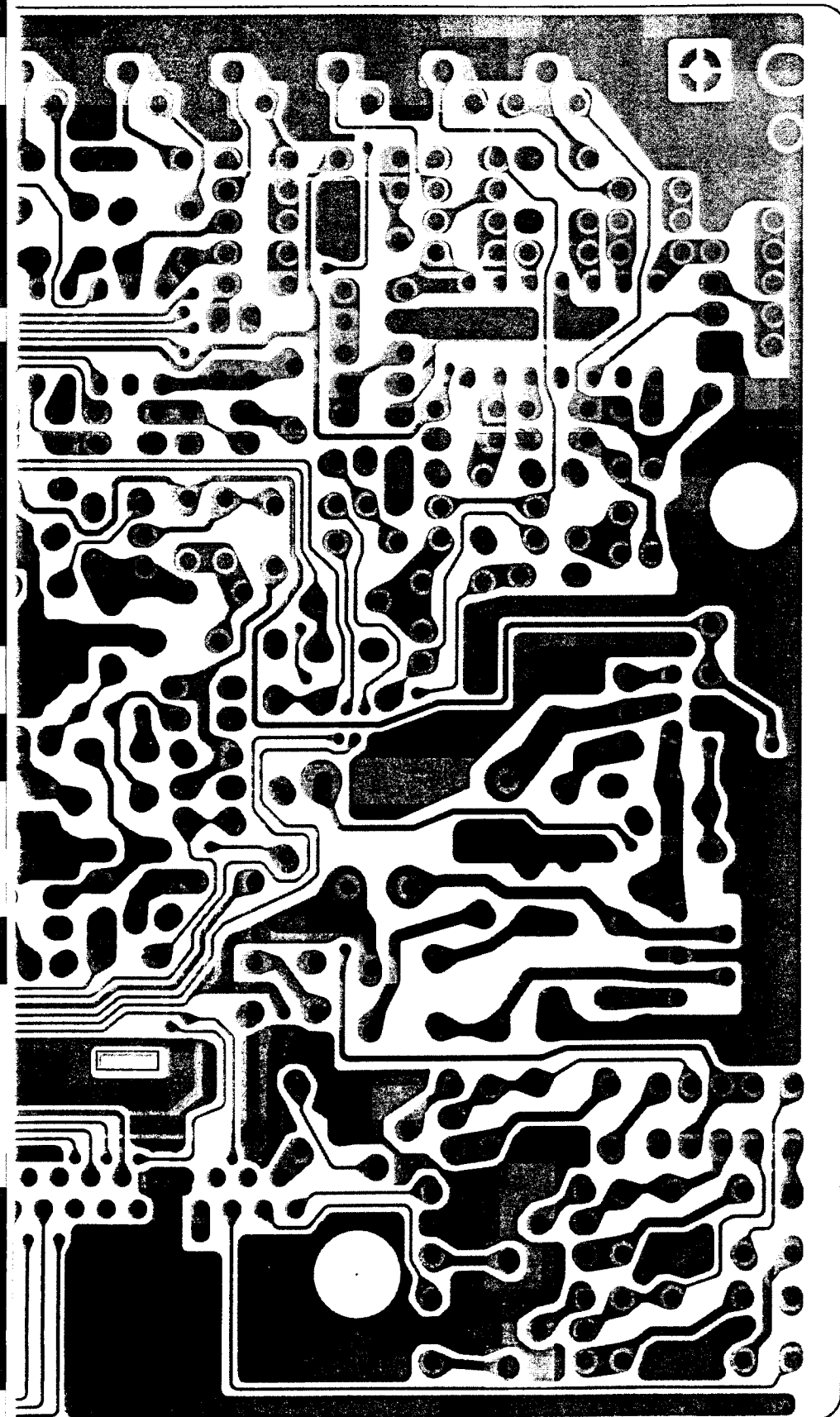


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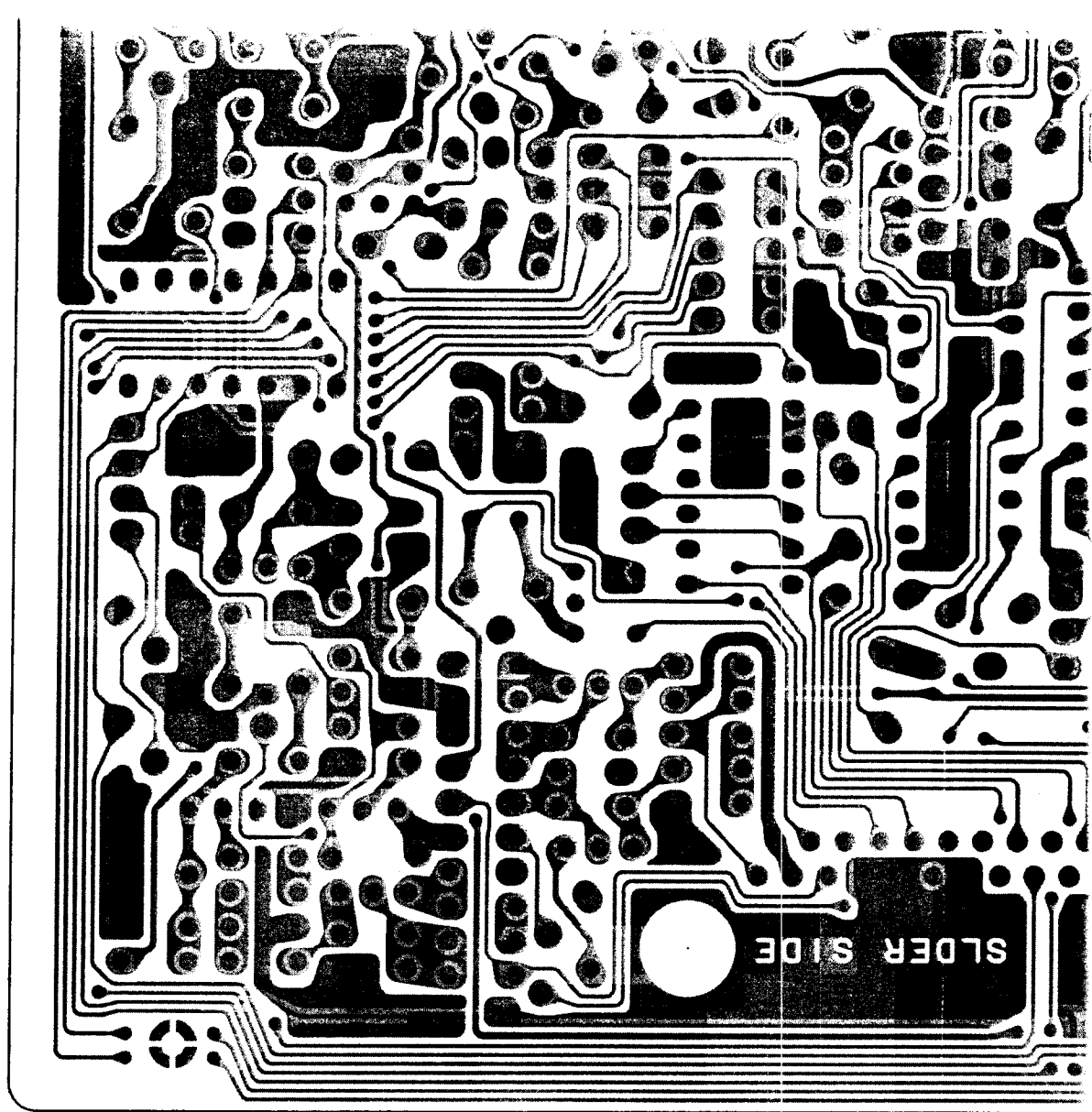




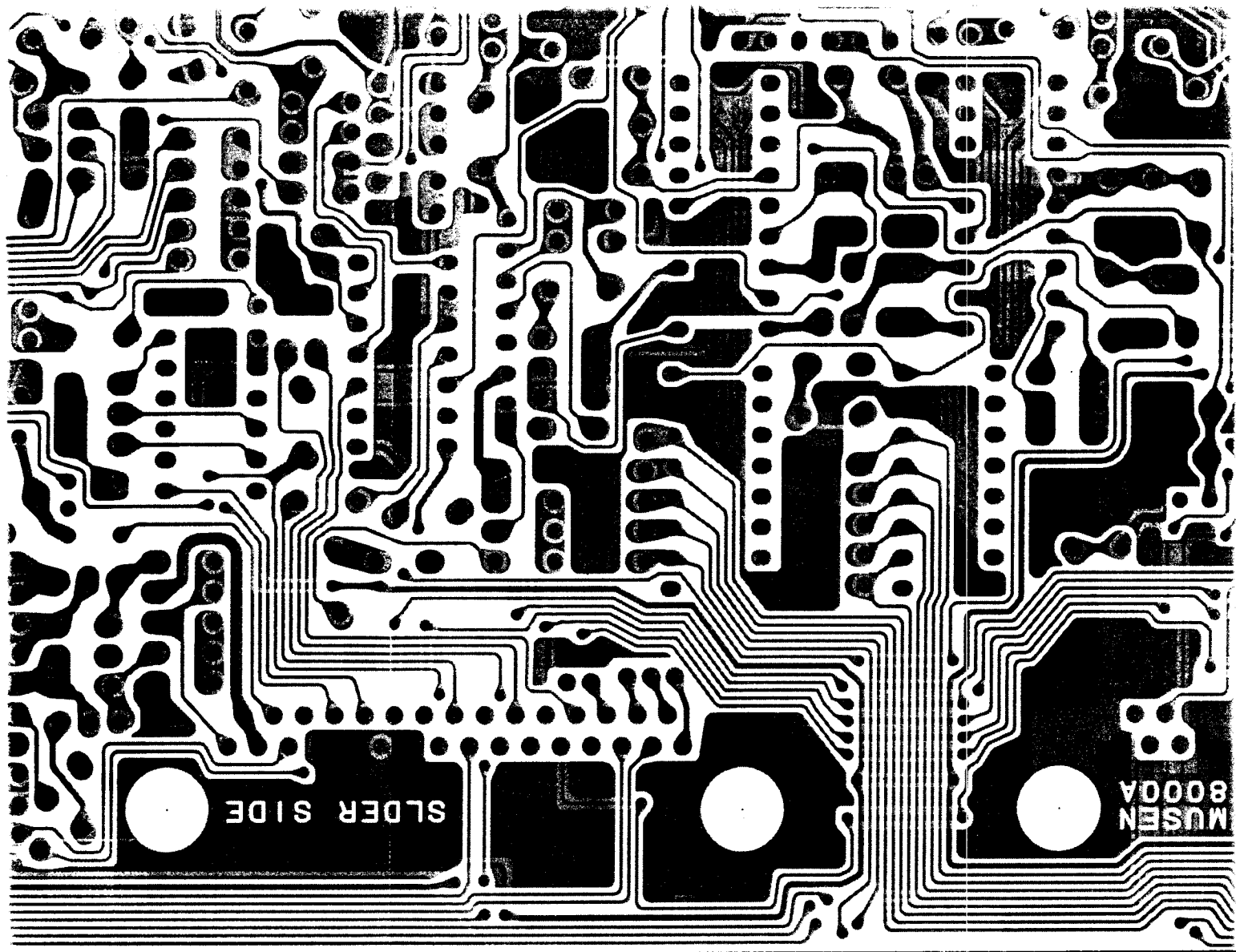




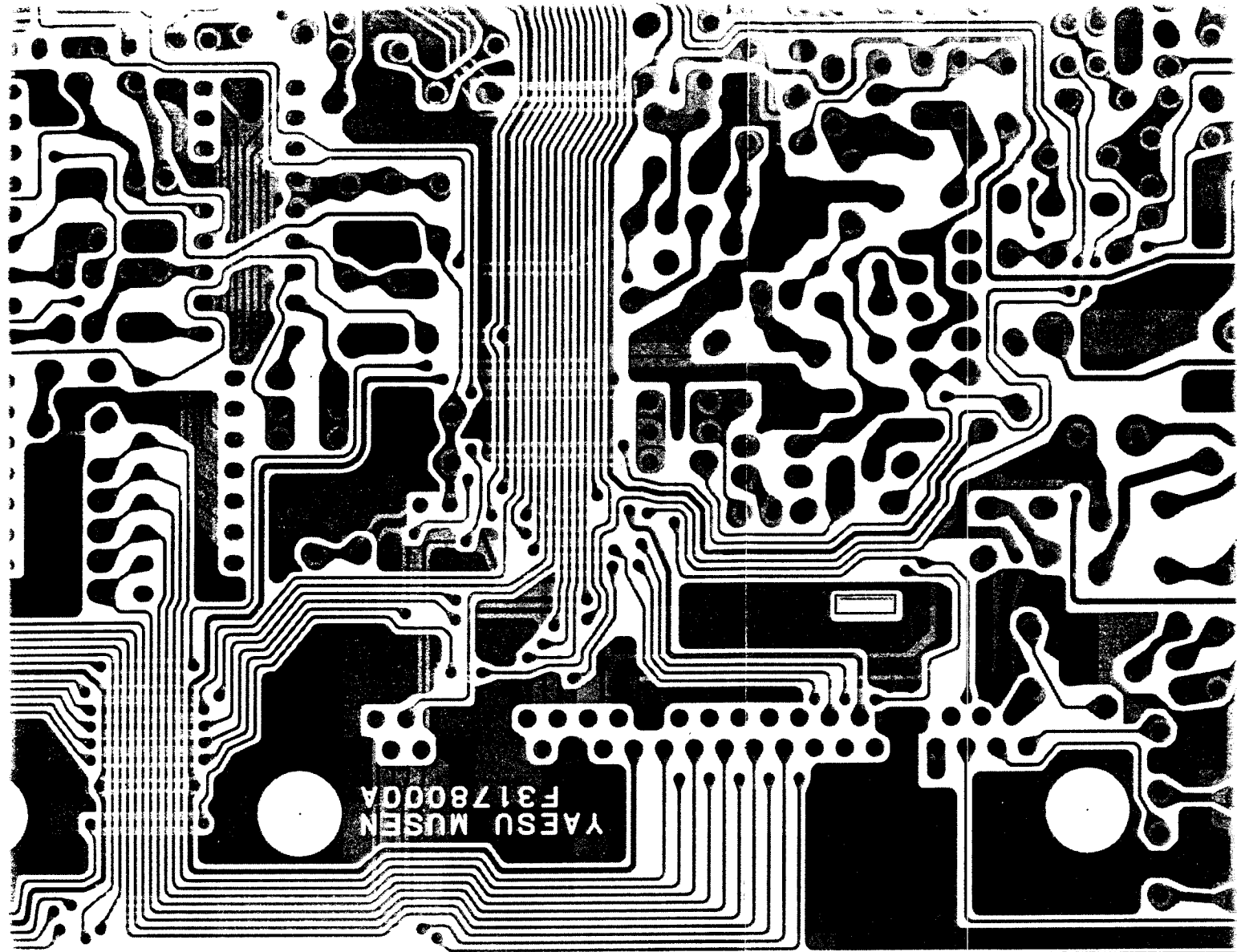
("chip only" side)



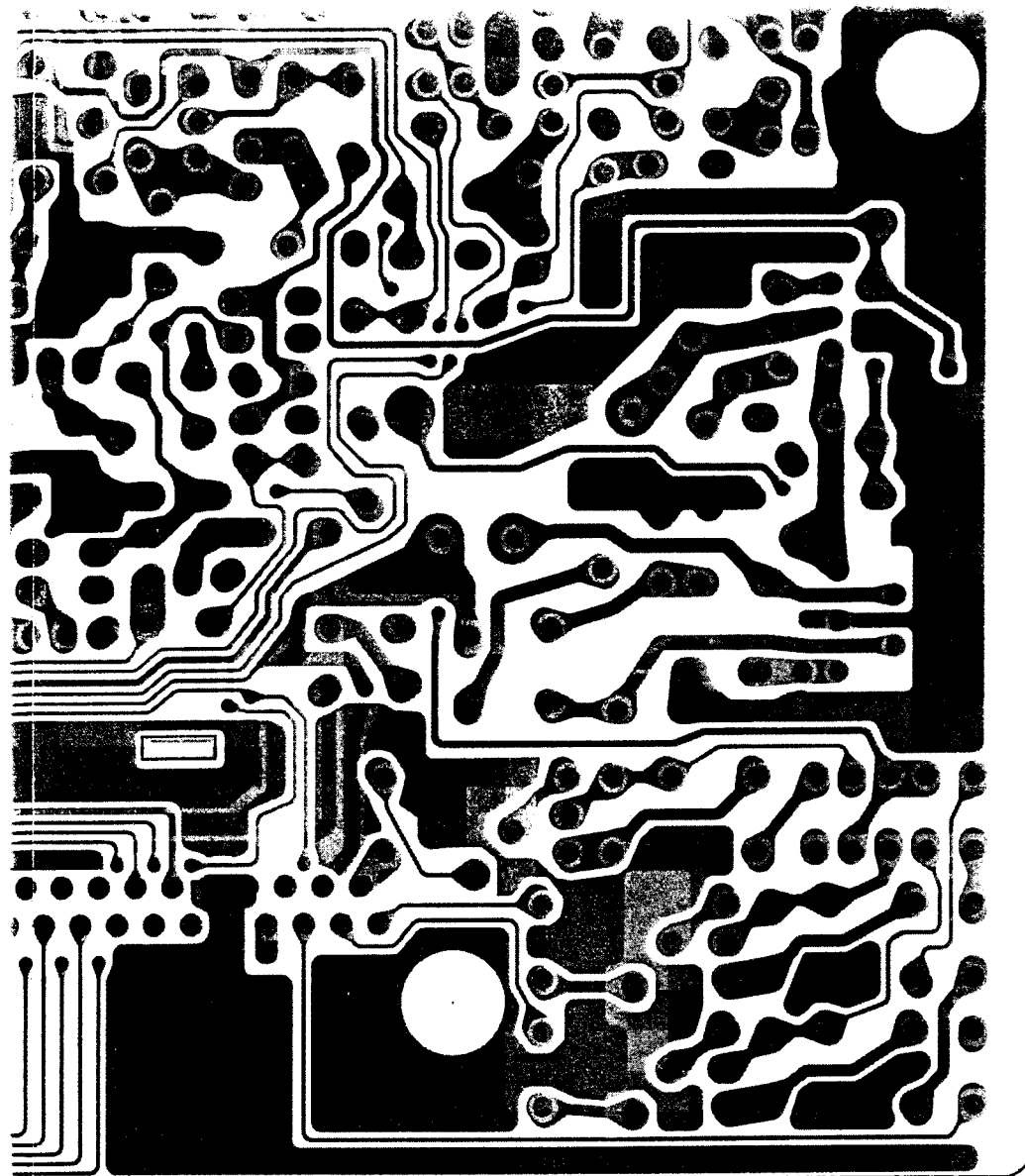




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YAESU MUSEN  
F3178000A



(“chip only” side)

| REF.            | YAESU P/N | DESCRIPTION       | MFGR'S DESIG                                                                                                                                                                           | VALUE    | WV  | TOL. | VERS. |
|-----------------|-----------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----|------|-------|
| *** AF UNIT *** |           |                   | For Service Manuals Contact<br>MAURITRON TECHNICAL SERVICES<br>8 Cherry Tree Rd, Chinnor<br>Oxon OX9 4QY<br>Tel:- 01844-351694 Fax:- 01844-352554<br>Email:- enquiries@mauritron.co.uk |          |     |      |       |
|                 | CA0501001 | P.C.B. W COMP.    |                                                                                                                                                                                        |          |     |      |       |
|                 | F3178000A | P.C.B. W/O COMP.  |                                                                                                                                                                                        |          |     |      |       |
| C 3001          | K28129001 | CERAMIC CAP.      | EP050Y103N-A                                                                                                                                                                           | 0.01uF   | 16V | Y    |       |
| C 3002          | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5                                                                                                                                                                         | 1uF      | 50V |      |       |
| C 3003          | K46170022 | AL. ELECTRO. CAP. | 50V220M5X11TR5                                                                                                                                                                         | 22uF     | 50V |      |       |
| C 3004          | K46170022 | AL. ELECTRO. CAP. | 50V220M5X11TR5                                                                                                                                                                         | 22uF     | 50V |      |       |
| C 3005          | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B                                                                                                                                                                         | 0.047uF  | 50V | F    |       |
| C 3006          | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5                                                                                                                                                                         | 1uF      | 50V |      |       |
| C 3007          | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B                                                                                                                                                                         | 0.047uF  | 50V | F    |       |
| C 3008          | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B                                                                                                                                                                         | 0.047uF  | 50V | F    |       |
| C 3009          | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5                                                                                                                                                                         | 10uF     | 50V |      |       |
| C 3010          | K46170020 | AL. ELECTRO. CAP. | 50V4R7M5X11TR5                                                                                                                                                                         | 4.7uF    | 50V |      |       |
| C 3011          | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B                                                                                                                                                                         | 0.047uF  | 50V | F    |       |
| C 3012          | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B                                                                                                                                                                         | 0.047uF  | 50V | F    |       |
| C 3013          | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5                                                                                                                                                                         | 10uF     | 50V |      |       |
| C 3014          | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5                                                                                                                                                                         | 1uF      | 50V |      |       |
| C 3015          | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5                                                                                                                                                                         | 10uF     | 50V |      |       |
| C 3016          | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5                                                                                                                                                                         | 10uF     | 50V |      |       |
| C 3017          | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B                                                                                                                                                                         | 0.047uF  | 50V | F    |       |
| C 3018          | K28179073 | CERAMIC CAP.      | UP050SL390J-A-B                                                                                                                                                                        | 39pF     | 50V | SL   |       |
| C 3019          | K28179073 | CERAMIC CAP.      | UP050SL390J-A-B                                                                                                                                                                        | 39pF     | 50V | SL   |       |
| C 3020          | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5                                                                                                                                                                         | 1uF      | 50V |      |       |
| C 3021          | K28129001 | CERAMIC CAP.      | EP050Y103N-A                                                                                                                                                                           | 0.01uF   | 16V | Y    |       |
| C 3022          | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5                                                                                                                                                                         | 10uF     | 50V |      |       |
| C 3023          | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5                                                                                                                                                                         | 10uF     | 50V |      |       |
| C 3024          | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5                                                                                                                                                                         | 10uF     | 50V |      |       |
| C 3025          | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5                                                                                                                                                                         | 10uF     | 50V |      |       |
| C 3026          | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5                                                                                                                                                                         | 1uF      | 50V |      |       |
| C 3027          | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5                                                                                                                                                                         | 1uF      | 50V |      |       |
| C 3028          | K28129005 | CERAMIC CAP.      | EP050X472M-A-B                                                                                                                                                                         | 0.0047uF | 16V | X    |       |
| C 3029          | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5                                                                                                                                                                         | 1uF      | 50V |      |       |
| C 3030          | K46170020 | AL. ELECTRO. CAP. | 50V4R7M5X11TR5                                                                                                                                                                         | 4.7uF    | 50V |      |       |
| C 3031          | K28129006 | CERAMIC CAP.      | EP050X682M-A-B                                                                                                                                                                         | 0.0068uF | 16V | X    |       |
| C 3032          | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5                                                                                                                                                                         | 1uF      | 50V |      |       |
| C 3033          | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5                                                                                                                                                                         | 1uF      | 50V |      |       |
| C 3034          | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5                                                                                                                                                                         | 1uF      | 50V |      |       |
| C 3035          | K28129001 | CERAMIC CAP.      | EP050Y103N-A                                                                                                                                                                           | 0.01uF   | 16V | Y    |       |
| C 3036          | K28129001 | CERAMIC CAP.      | EP050Y103N-A                                                                                                                                                                           | 0.01uF   | 16V | Y    |       |
| C 3037          | K46170022 | AL. ELECTRO. CAP. | 50V220M5X11TR5                                                                                                                                                                         | 22uF     | 50V |      |       |
| C 3038          | K28179001 | CERAMIC CAP.      | UP050B102K-A-B                                                                                                                                                                         | 0.001uF  | 50V | B    |       |
| C 3039          | K19149021 | CERAMIC CAP.      | UAT08X473K-L45AE                                                                                                                                                                       | 0.047uF  | 25V | X    |       |
| C 3040          | K19149021 | CERAMIC CAP.      | UAT08X473K-L45AE                                                                                                                                                                       | 0.047uF  | 25V | X    |       |
| C 3041          | K28129004 | CERAMIC CAP.      | EP050X332M-A-B                                                                                                                                                                         | 0.0033uF | 16V | X    |       |
| C 3042          | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5                                                                                                                                                                         | 10uF     | 50V |      |       |
| C 3043          | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5                                                                                                                                                                         | 1uF      | 50V |      |       |
| C 3044          | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5                                                                                                                                                                         | 1uF      | 50V |      |       |
| C 3045          | K46140005 | AL. ELECTRO. CAP. | 25V101M6X11TR5                                                                                                                                                                         | 100uF    | 25V |      |       |
| C 3046          | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5                                                                                                                                                                         | 1uF      | 50V |      |       |
| C 3047          | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5                                                                                                                                                                         | 10uF     | 50V |      |       |
| C 3048          | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5                                                                                                                                                                         | 10uF     | 50V |      |       |
| C 3049          | K46170022 | AL. ELECTRO. CAP. | 50V220M5X11TR5                                                                                                                                                                         | 22uF     | 50V |      |       |

# AF Unit

| REF.   | YAESU P/N | DESCRIPTION       | MFGR'S DESIG      | VALUE    | WV  | TOL. | VERS. |
|--------|-----------|-------------------|-------------------|----------|-----|------|-------|
| C 3050 | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5    | 1uF      | 50V |      |       |
| C 3051 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF   | 16V | Y    |       |
| C 3052 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF   | 16V | Y    |       |
| C 3053 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF   | 16V | Y    |       |
| C 3054 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF   | 16V | Y    |       |
| C 3055 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF   | 16V | Y    |       |
| C 3056 | K46170020 | AL. ELECTRO. CAP. | 50V4R7M5X11TR5    | 4.7uF    | 50V |      |       |
| C 3058 | K28179083 | CERAMIC CAP.      | UP050B221K-A-B    | 220pF    | 50V | B    |       |
| C 3059 | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5    | 1uF      | 50V |      |       |
| C 3060 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF   | 16V | Y    |       |
| C 3061 | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5    | 1uF      | 50V |      |       |
| C 3062 | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5    | 1uF      | 50V |      |       |
| C 3063 | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5    | 1uF      | 50V |      |       |
| C 3064 | K46140005 | AL. ELECTRO. CAP. | 25V101M6X11TR5    | 100uF    | 25V |      |       |
| C 3065 | K28129005 | CERAMIC CAP.      | EP050X472M-A-B    | 0.0047uF | 16V | X    |       |
| C 3066 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF     | 50V |      |       |
| C 3068 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF     | 50V |      |       |
| C 3069 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF     | 50V |      |       |
| C 3070 | K28179001 | CERAMIC CAP.      | UP050B102K-A-B    | 0.001uF  | 50V | B    |       |
| C 3071 | K28179001 | CERAMIC CAP.      | UP050B102K-A-B    | 0.001uF  | 50V | B    |       |
| C 3072 | K46140004 | AL. ELECTRO. CAP. | 25V470M5X11TR5    | 47uF     | 25V |      |       |
| C 3073 | K46140005 | AL. ELECTRO. CAP. | 25V101M6X11TR5    | 100uF    | 25V |      |       |
| C 3074 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF   | 16V | Y    |       |
| C 3075 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF     | 50V |      |       |
| C 3076 | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5    | 1uF      | 50V |      |       |
| C 3077 | K40129049 | AL. ELECTRO. CAP. | RE2-16V471M       | 470uF    | 16V |      |       |
| C 3078 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF     | 50V |      |       |
| C 3079 | K46100006 | AL. ELECTRO. CAP. | 10V471M8X11TR5    | 470uF    | 10V |      |       |
| C 3080 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF     | 50V |      |       |
| C 3081 | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5    | 1uF      | 50V |      |       |
| C 3082 | K56170063 | CAP.              | 50F2Z104MTP       | 0.1      | 50V |      |       |
| C 3083 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF   | 16V | Y    |       |
| C 3084 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF   | 16V | Y    |       |
| C 3085 | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5    | 1uF      | 50V |      |       |
| C 3086 | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5    | 1uF      | 50V |      |       |
| C 3087 | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5    | 1uF      | 50V |      |       |
| C 3088 | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B    | 0.047uF  | 50V | F    |       |
| C 3089 | K46170016 | AL. ELECTRO. CAP. | 50VR47M5X11TR5    | 0.47uF   | 50V |      |       |
| C 3090 | K46170020 | AL. ELECTRO. CAP. | 50V4R7M5X11TR5    | 4.7uF    | 50V |      |       |
| C 3091 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF     | 50V |      |       |
| C 3092 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF     | 50V |      |       |
| C 3093 | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5    | 1uF      | 50V |      |       |
| C 3094 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF   | 16V | Y    |       |
| C 3095 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF   | 16V | Y    |       |
| C 3096 | K26170757 | CERAMIC CAP.      | DD310-979BC333M50 | 0.033uF  | 50V | BC   |       |
| C 3097 | K26170757 | CERAMIC CAP.      | DD310-979BC333M50 | 0.033uF  | 50V | BC   |       |
| C 3098 | K28179001 | CERAMIC CAP.      | UP050B102K-A-B    | 0.001uF  | 50V | B    |       |
| C 3099 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF   | 16V | Y    |       |
| C 3100 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF     | 50V |      |       |
| C 3101 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF     | 50V |      |       |
| C 3102 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF     | 50V |      |       |
| C 3103 | K28179001 | CERAMIC CAP.      | UP050B102K-A-B    | 0.001uF  | 50V | B    |       |
| C 3104 | K28179001 | CERAMIC CAP.      | UP050B102K-A-B    | 0.001uF  | 50V | B    |       |
| C 3105 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF   | 16V | Y    |       |
| C 3106 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF   | 16V | Y    |       |

| REF.   | YAESU P/N | DESCRIPTION       | MFGR'S DESIG    | VALUE    | WV  | TOL. | VERS. |
|--------|-----------|-------------------|-----------------|----------|-----|------|-------|
| C 3109 | K46170018 | AL. ELECTRO. CAP. | 50V2R2M5X11TR5  | 2.2uF    | 50V |      |       |
| C 3110 | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5  | 1uF      | 50V |      |       |
| C 3111 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5  | 10uF     | 50V |      |       |
| C 3112 | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5  | 1uF      | 50V |      |       |
| C 3113 | K28179003 | CERAMIC CAP.      | UP050F104Z-A-B  | 0.1uF    | 50V | F    |       |
| C 3114 | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5  | 1uF      | 50V |      |       |
| C 3115 | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5  | 1uF      | 50V |      |       |
| C 3118 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5  | 10uF     | 50V |      |       |
| C 3119 | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5  | 1uF      | 50V |      |       |
| C 3120 | K28179003 | CERAMIC CAP.      | UP050F104Z-A-B  | 0.1uF    | 50V | F    |       |
| C 3121 | K28129001 | CERAMIC CAP.      | EP050Y103N-A    | 0.01uF   | 16V | Y    |       |
| C 3122 | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B  | 0.047uF  | 50V | F    |       |
| C 3123 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5  | 10uF     | 50V |      |       |
| C 3125 | K28129001 | CERAMIC CAP.      | EP050Y103N-A    | 0.01uF   | 16V | Y    |       |
| C 3127 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5  | 10uF     | 50V |      |       |
| C 3130 | K28129001 | CERAMIC CAP.      | EP050Y103N-A    | 0.01uF   | 16V | Y    |       |
| C 3131 | K28129001 | CERAMIC CAP.      | EP050Y103N-A    | 0.01uF   | 16V | Y    |       |
| C 3133 | K28129001 | CERAMIC CAP.      | EP050Y103N-A    | 0.01uF   | 16V | Y    |       |
| C 3134 | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5  | 1uF      | 50V |      |       |
| C 3135 | K28179028 | CERAMIC CAP.      | UP050SL270J-A-B | 27pF     | 50V | SL   |       |
| C 3136 | K28179028 | CERAMIC CAP.      | UP050SL270J-A-B | 27pF     | 50V | SL   |       |
| C 3137 | K28129005 | CERAMIC CAP.      | EP050X472M-A-B  | 0.0047uF | 16V | X    |       |
| C 3138 | K28179001 | CERAMIC CAP.      | UP050B102K-A-B  | 0.001uF  | 50V | B    |       |
| C 3139 | K28179001 | CERAMIC CAP.      | UP050B102K-A-B  | 0.001uF  | 50V | B    |       |
| C 3140 | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5  | 1uF      | 50V |      |       |
| C 3141 | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5  | 1uF      | 50V |      |       |
| C 3142 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5  | 10uF     | 50V |      |       |
| C 3143 | K28179001 | CERAMIC CAP.      | UP050B102K-A-B  | 0.001uF  | 50V | B    |       |
| C 3144 | K28179001 | CERAMIC CAP.      | UP050B102K-A-B  | 0.001uF  | 50V | B    |       |
| C 3145 | K28129001 | CERAMIC CAP.      | EP050Y103N-A    | 0.01uF   | 16V | Y    |       |
| C 3146 | K28129001 | CERAMIC CAP.      | EP050Y103N-A    | 0.01uF   | 16V | Y    |       |
| C 3147 | K28129001 | CERAMIC CAP.      | EP050Y103N-A    | 0.01uF   | 16V | Y    |       |
| C 3148 | K28129001 | CERAMIC CAP.      | EP050Y103N-A    | 0.01uF   | 16V | Y    |       |
| C 3149 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5  | 10uF     | 50V |      |       |
| C 3150 | K28129001 | CERAMIC CAP.      | EP050Y103N-A    | 0.01uF   | 16V | Y    |       |
| C 3151 | K28129001 | CERAMIC CAP.      | EP050Y103N-A    | 0.01uF   | 16V | Y    |       |
| C 3152 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5  | 10uF     | 50V |      |       |
| C 3153 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5  | 10uF     | 50V |      |       |
| C 3154 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5  | 10uF     | 50V |      |       |
| C 3155 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5  | 10uF     | 50V |      |       |
| C 3156 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5  | 10uF     | 50V |      |       |
| C 3157 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5  | 10uF     | 50V |      |       |
| C 3158 | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5  | 1uF      | 50V |      |       |
| C 3159 | K28179003 | CERAMIC CAP.      | UP050F104Z-A-B  | 0.1uF    | 50V | F    |       |
| C 3160 | K28129001 | CERAMIC CAP.      | EP050Y103N-A    | 0.01uF   | 16V | Y    |       |
| C 3161 | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5  | 1uF      | 50V |      |       |
| C 3163 | K46170022 | AL. ELECTRO. CAP. | 50V220M5X11TR5  | 22uF     | 50V |      |       |
| C 3164 | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B  | 0.047uF  | 50V | F    |       |
| D 3001 | G2060004  | DIODE             | 1SS270TJ        |          |     |      |       |
| D 3002 | G2060004  | DIODE             | 1SS270TJ        |          |     |      |       |
| D 3003 | G2060004  | DIODE             | 1SS270TJ        |          |     |      |       |
| D 3004 | G2060004  | DIODE             | 1SS270TJ        |          |     |      |       |
| D 3005 | G2060004  | DIODE             | 1SS270TJ        |          |     |      |       |
| D 3006 | G2060004  | DIODE             | 1SS270TJ        |          |     |      |       |

For Service Manuals Contact  
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# AF Unit

| REF.   | YAESU P/N | DESCRIPTION | MFR'S DESIG       | VALUE | WV | TOL. | VERS. |
|--------|-----------|-------------|-------------------|-------|----|------|-------|
| D 3007 | G2060004  | DIODE       | 1SS270TJ          |       |    |      |       |
| D 3008 | G2060004  | DIODE       | 1SS270TJ          |       |    |      |       |
| D 3009 | G2060004  | DIODE       | 1SS270TJ          |       |    |      |       |
| D 3010 | G2060004  | DIODE       | 1SS270TJ          |       |    |      |       |
| D 3011 | G2060004  | DIODE       | 1SS270TJ          |       |    |      |       |
| D 3012 | G2060004  | DIODE       | 1SS270TJ          |       |    |      |       |
| D 3013 | G2060004  | DIODE       | 1SS270TJ          |       |    |      |       |
| D 3014 | G2060004  | DIODE       | 1SS270TJ          |       |    |      |       |
| D 3015 | G2060004  | DIODE       | 1SS270TJ          |       |    |      |       |
| D 3016 | G2060004  | DIODE       | 1SS270TJ          |       |    |      |       |
| D 3017 | G2060004  | DIODE       | 1SS270TJ          |       |    |      |       |
| D 3018 | G2060004  | DIODE       | 1SS270TJ          |       |    |      |       |
| D 3020 | G2060004  | DIODE       | 1SS270TJ          |       |    |      |       |
| D 3021 | G2060004  | DIODE       | 1SS270TJ          |       |    |      |       |
| D 3022 | G2060004  | DIODE       | 1SS270TJ          |       |    |      |       |
| D 3026 | G2060004  | DIODE       | 1SS270TJ          |       |    |      |       |
| D 3027 | G2060004  | DIODE       | 1SS270TJ          |       |    |      |       |
| D 3028 | G2060004  | DIODE       | 1SS270TJ          |       |    |      |       |
| D 3029 | G2060004  | DIODE       | 1SS270TJ          |       |    |      |       |
| D 3030 | G2060004  | DIODE       | 1SS270TJ          |       |    |      |       |
| DB3001 | G2090247  | DIODE       | ND487C1-3R        |       |    |      |       |
| J 3001 | P0090745  | CONNECTOR   | PCN5D-45PT-1.27DS |       |    |      |       |
| J 3002 | P0090744  | CONNECTOR   | PCN5D-31PT-1.27DS |       |    |      |       |
| JP3001 | T9206074  | WIRE-ASSY   |                   |       |    |      |       |
| JP3003 | T9206075  | WIRE-ASSY   |                   |       |    |      |       |
| JP3005 | T9206079  | WIRE-ASSY   |                   |       |    |      |       |
| JP3007 | T9206078  | WIRE-ASSY   |                   |       |    |      |       |
| L 3001 | L1190102  | M. RFC      | Sトク-104K          | 100m  |    |      |       |
| Q 3001 | G1090840  | IC          | M51943BSL         |       |    |      |       |
| Q 3002 | G3050003  | TRANSISTOR  | BA1A4P-T          |       |    |      |       |
| Q 3003 | G3050003  | TRANSISTOR  | BA1A4P-T          |       |    |      |       |
| Q 3004 | G1090757  | IC          | M5224P            |       |    |      |       |
| Q 3005 | G3050003  | TRANSISTOR  | BA1A4P-T          |       |    |      |       |
| Q 3006 | G1091001  | IC          | MB88202H-635M     |       |    |      |       |
| Q 3007 | G1091000  | IC          | MB88202H-634M     |       |    |      |       |
| Q 3008 | G1090283  | IC          | UPD4066BC         |       |    |      |       |
| Q 3009 | G3304584B | TRANSISTOR  | 2SC458BTZ         |       |    |      |       |
| Q 3010 | G3304584B | TRANSISTOR  | 2SC458BTZ         |       |    |      |       |
| Q 3011 | G3304584B | TRANSISTOR  | 2SC458BTZ         |       |    |      |       |
| Q 3012 | G1090988  | IC          | M5223L            |       |    |      |       |
| Q 3013 | G1090757  | IC          | M5224P            |       |    |      |       |
| Q 3014 | G3050003  | TRANSISTOR  | BA1A4P-T          |       |    |      |       |
| Q 3015 | G3050003  | TRANSISTOR  | BA1A4P-T          |       |    |      |       |
| Q 3016 | G3304584B | TRANSISTOR  | 2SC458BTZ         |       |    |      |       |
| Q 3017 | G3050003  | TRANSISTOR  | BA1A4P-T          |       |    |      |       |
| Q 3018 | G3050003  | TRANSISTOR  | BA1A4P-T          |       |    |      |       |
| Q 3019 | G3304584B | TRANSISTOR  | 2SC458BTZ         |       |    |      |       |
| Q 3020 | G1090283  | IC          | UPD4066BC         |       |    |      |       |
| Q 3021 | G3304584B | TRANSISTOR  | 2SC458BTZ         |       |    |      |       |
| Q 3022 | G3304584B | TRANSISTOR  | 2SC458BTZ         |       |    |      |       |
| Q 3023 | G3408820P | TRANSISTOR  | 2SD882P           |       |    |      |       |

| REF.   | YAESU P/N | DESCRIPTION      | MFGR'S DESIG   | VALUE | WV   | TOL. | VERS. |
|--------|-----------|------------------|----------------|-------|------|------|-------|
| Q 3024 | G3304584B | TRANSISTOR       | 2SC458BTZ      |       |      |      |       |
| Q 3025 | G3304584B | TRANSISTOR       | 2SC458BTZ      |       |      |      |       |
| Q 3026 | G1090769  | IC               | TDA2003        |       |      |      |       |
| Q 3027 | G1090381  | IC               | TA7060AP       |       |      |      |       |
| Q 3028 | G1090101  | IC               | UPC1037H       |       |      |      |       |
| Q 3029 | G3304584B | TRANSISTOR       | 2SC458BTZ      |       |      |      |       |
| Q 3030 | G3304584B | TRANSISTOR       | 2SC458BTZ      |       |      |      |       |
| Q 3031 | G1090283  | IC               | UPD4066BC      |       |      |      |       |
| Q 3032 | G3304584B | TRANSISTOR       | 2SC458BTZ      |       |      |      |       |
| Q 3033 | G1090849  | IC               | UPC78L08J      |       |      |      |       |
| Q 3034 | G3050003  | TRANSISTOR       | BA1A4P-T       |       |      |      |       |
| Q 3035 | G3050005  | TRANSISTOR       | BA1L4L-T       |       |      |      |       |
| Q 3037 | G3304584B | TRANSISTOR       | 2SC458BTZ      |       |      |      |       |
| Q 3038 | G1090283  | IC               | UPD4066BC      |       |      |      |       |
| Q 3039 | G1091240  | IC               | TBP18S030N LPF |       |      |      |       |
| Q 3040 | G1091241  | IC               | TBP18S030N HPF |       |      |      |       |
| Q 3041 | G3304584B | TRANSISTOR       | 2SC458BTZ      |       |      |      |       |
| Q 3042 | G3304584B | TRANSISTOR       | 2SC458BTZ      |       |      |      |       |
| Q 3043 | G3050005  | TRANSISTOR       | BA1L4L-T       |       |      |      |       |
| Q 3044 | G1091095  | IC               | S3528B         |       |      |      |       |
| Q 3045 | G1091096  | IC               | S3529B         |       |      |      |       |
| Q 3046 | G1091140  | IC               | M5218AL        |       |      |      |       |
| Q 3048 | G1091182  | IC               | UPC79L05J      |       |      |      |       |
| Q 3049 | G1091140  | IC               | M5218AL        |       |      |      |       |
| Q 3050 | G3050005  | TRANSISTOR       | BA1L4L-T       |       |      |      |       |
| Q 3051 | G3801040J | FET              | 2SK104J        |       |      |      |       |
| Q 3052 | G3050005  | TRANSISTOR       | BA1L4L-T       |       |      |      |       |
| Q 3053 | G3111150E | TRANSISTOR       | 2SA1115E       |       |      |      |       |
|        |           |                  |                |       |      |      |       |
| R 3001 | J07225101 | CARBON FILM RES. | RD16TPJ101     | 100   | 1/6W |      |       |
| R 3002 | J07225101 | CARBON FILM RES. | RD16TPJ101     | 100   | 1/6W |      |       |
| R 3003 | J07225103 | CARBON FILM RES. | RD16TPJ103     | 10K   | 1/6W |      |       |
| R 3004 | J07225335 | CARBON FILM RES. | RD16TPJ335     | 3. 3M | 1/6W |      |       |
| R 3005 | J07225474 | CARBON FILM RES. | RD16TPJ474     | 470K  | 1/6W |      |       |
| R 3007 | J07225222 | CARBON FILM RES. | RD16TPJ222     | 2. 2K | 1/6W |      |       |
| R 3008 | J07225222 | CARBON FILM RES. | RD16TPJ222     | 2. 2K | 1/6W |      |       |
| R 3009 | J07225182 | CARBON FILM RES. | RD16TPJ182     | 1. 8K | 1/6W |      |       |
| R 3010 | J07225473 | CARBON FILM RES. | RD16TPJ473     | 47K   | 1/6W |      |       |
| R 3011 | J07225102 | CARBON FILM RES. | RD16TPJ102     | 1K    | 1/6W |      |       |
| R 3012 | J07225103 | CARBON FILM RES. | RD16TPJ103     | 10K   | 1/6W |      |       |
| R 3013 | J07225104 | CARBON FILM RES. | RD16TPJ104     | 100K  | 1/6W |      |       |
| R 3014 | J07225222 | CARBON FILM RES. | RD16TPJ222     | 2. 2K | 1/6W |      |       |
| R 3015 | J07225103 | CARBON FILM RES. | RD16TPJ103     | 10K   | 1/6W |      |       |
| R 3016 | J07225334 | CARBON FILM RES. | RD16TPJ334     | 330K  | 1/6W |      |       |
| R 3017 | J07225473 | CARBON FILM RES. | RD16TPJ473     | 47K   | 1/6W |      |       |
| R 3018 | J07225222 | CARBON FILM RES. | RD16TPJ222     | 2. 2K | 1/6W |      |       |
| R 3019 | J07225101 | CARBON FILM RES. | RD16TPJ101     | 100   | 1/6W |      |       |
| R 3020 | J07225104 | CARBON FILM RES. | RD16TPJ104     | 100K  | 1/6W |      |       |
| R 3021 | J07225104 | CARBON FILM RES. | RD16TPJ104     | 100K  | 1/6W |      |       |
| R 3022 | J07225474 | CARBON FILM RES. | RD16TPJ474     | 470K  | 1/6W |      |       |
| R 3023 | J07225224 | CARBON FILM RES. | RD16TPJ224     | 220K  | 1/6W |      |       |
| R 3024 | J07225224 | CARBON FILM RES. | RD16TPJ224     | 220K  | 1/6W |      |       |
| R 3025 | J07225104 | CARBON FILM RES. | RD16TPJ104     | 100K  | 1/6W |      |       |
| R 3026 | J07225394 | CARBON FILM RES. | RD16TPJ394     | 390K  | 1/6W |      |       |
| R 3027 | J07225394 | CARBON FILM RES. | RD16TPJ394     | 390K  | 1/6W |      |       |

For Service Manuals Contact  
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 Email:- enquiries@mauritron.co.uk



# AF Unit

| REF.   | YAESU P/N | DESCRIPTION      | MFGR'S DESIG | VALUE | WV   | TOL. | VERS. |
|--------|-----------|------------------|--------------|-------|------|------|-------|
| R 3028 | J07225102 | CARBON FILM RES. | RD16TPJ102   | 1K    | 1/6W |      |       |
| R 3029 | J07225473 | CARBON FILM RES. | RD16TPJ473   | 47K   | 1/6W |      |       |
| R 3030 | J07225824 | CARBON FILM RES. | RD16TPJ824   | 820K  | 1/6W |      |       |
| R 3031 | J07225824 | CARBON FILM RES. | RD16TPJ824   | 820K  | 1/6W |      |       |
| R 3032 | J07225102 | CARBON FILM RES. | RD16TPJ102   | 1K    | 1/6W |      |       |
| R 3033 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 3034 | J07225222 | CARBON FILM RES. | RD16TPJ222   | 2. 2K | 1/6W |      |       |
| R 3035 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 3036 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 3037 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 3038 | J07225472 | CARBON FILM RES. | RD16TPJ472   | 4. 7K | 1/6W |      |       |
| R 3041 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 3042 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 3043 | J07225101 | CARBON FILM RES. | RD16TPJ101   | 100   | 1/6W |      |       |
| R 3044 | J07225101 | CARBON FILM RES. | RD16TPJ101   | 100   | 1/6W |      |       |
| R 3045 | J07225101 | CARBON FILM RES. | RD16TPJ101   | 100   | 1/6W |      |       |
| R 3046 | J07225101 | CARBON FILM RES. | RD16TPJ101   | 100   | 1/6W |      |       |
| R 3047 | J07225473 | CARBON FILM RES. | RD16TPJ473   | 47K   | 1/6W |      |       |
| R 3048 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 3049 | J07225222 | CARBON FILM RES. | RD16TPJ222   | 2. 2K | 1/6W |      |       |
| R 3050 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 3051 | J07225472 | CARBON FILM RES. | RD16TPJ472   | 4. 7K | 1/6W |      |       |
| R 3052 | J07225335 | CARBON FILM RES. | RD16TPJ335   | 3. 3M | 1/6W |      |       |
| R 3053 | J07225102 | CARBON FILM RES. | RD16TPJ102   | 1K    | 1/6W |      |       |
| R 3054 | J07225332 | CARBON FILM RES. | RD16TPJ332   | 3. 3K | 1/6W |      |       |
| R 3055 | J07225332 | CARBON FILM RES. | RD16TPJ332   | 3. 3K | 1/6W |      |       |
| R 3056 | J07225123 | CARBON FILM RES. | RD16TPJ123   | 12K   | 1/6W |      |       |
| R 3058 | J07225332 | CARBON FILM RES. | RD16TPJ332   | 3. 3K | 1/6W |      |       |
| R 3059 | J07225332 | CARBON FILM RES. | RD16TPJ332   | 3. 3K | 1/6W |      |       |
| R 3060 | J07225123 | CARBON FILM RES. | RD16TPJ123   | 12K   | 1/6W |      |       |
| R 3061 | J07225102 | CARBON FILM RES. | RD16TPJ102   | 1K    | 1/6W |      |       |
| R 3062 | J07225473 | CARBON FILM RES. | RD16TPJ473   | 47K   | 1/6W |      |       |
| R 3063 | J07225332 | CARBON FILM RES. | RD16TPJ332   | 3. 3K | 1/6W |      |       |
| R 3064 | J07225472 | CARBON FILM RES. | RD16TPJ472   | 4. 7K | 1/6W |      |       |
| R 3065 | J07225472 | CARBON FILM RES. | RD16TPJ472   | 4. 7K | 1/6W |      |       |
| R 3066 | J07225332 | CARBON FILM RES. | RD16TPJ332   | 3. 3K | 1/6W |      |       |
| R 3067 | J07225105 | CARBON FILM RES. | RD16TPJ105   | 1M    | 1/6W |      |       |
| R 3068 | J07225101 | CARBON FILM RES. | RD16TPJ101   | 100   | 1/6W |      |       |
| R 3069 | J07225472 | CARBON FILM RES. | RD16TPJ472   | 4. 7K | 1/6W |      |       |
| R 3070 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 3071 | J07225472 | CARBON FILM RES. | RD16TPJ472   | 4. 7K | 1/6W |      |       |
| R 3072 | J07225101 | CARBON FILM RES. | RD16TPJ101   | 100   | 1/6W |      |       |
| R 3073 | J07225102 | CARBON FILM RES. | RD16TPJ102   | 1K    | 1/6W |      |       |
| R 3074 | J07225183 | CARBON FILM RES. | RD16TPJ183   | 18K   | 1/6W |      |       |
| R 3075 | J07225473 | CARBON FILM RES. | RD16TPJ473   | 47K   | 1/6W |      |       |
| R 3076 | J07225221 | CARBON FILM RES. | RD16TPJ221   | 220   | 1/6W |      |       |
| R 3077 | J07225222 | CARBON FILM RES. | RD16TPJ222   | 2. 2K | 1/6W |      |       |
| R 3078 | J07225154 | CARBON FILM RES. | RD16TPJ154   | 150K  | 1/6W |      |       |
| R 3079 | J07225101 | CARBON FILM RES. | RD16TPJ101   | 100   | 1/6W |      |       |
| R 3080 | J07225332 | CARBON FILM RES. | RD16TPJ332   | 3. 3K | 1/6W |      |       |
| R 3081 | J07225123 | CARBON FILM RES. | RD16TPJ123   | 12K   | 1/6W |      |       |
| R 3082 | J07225123 | CARBON FILM RES. | RD16TPJ123   | 12K   | 1/6W |      |       |
| R 3083 | J07225183 | CARBON FILM RES. | RD16TPJ183   | 18K   | 1/6W |      |       |
| R 3084 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 3085 | J07225473 | CARBON FILM RES. | RD16TPJ473   | 47K   | 1/6W |      |       |

| REF.   | YAESU P/N | DESCRIPTION      | MFGR'S DESIG  | VALUE | WV   | TOL. | VERS. |
|--------|-----------|------------------|---------------|-------|------|------|-------|
| R 3086 | J07225823 | CARBON FILM RES. | RD16TPJ823    | 82K   | 1/6W |      |       |
| R 3087 | J07225103 | CARBON FILM RES. | RD16TPJ103    | 10K   | 1/6W |      |       |
| R 3088 | J07225123 | CARBON FILM RES. | RD16TPJ123    | 12K   | 1/6W |      |       |
| R 3089 | J07225183 | CARBON FILM RES. | RD16TPJ183    | 18K   | 1/6W |      |       |
| R 3090 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |
| R 3091 | J07225224 | CARBON FILM RES. | RD16TPJ224    | 220K  | 1/6W |      |       |
| R 3092 | J20306339 | METAL FILM RES.  | RS1B 1W K 3.3 | 3.3   | 1W   |      |       |
| R 3093 | J07225103 | CARBON FILM RES. | RD16TPJ103    | 10K   | 1/6W |      |       |
| R 3094 | J07225102 | CARBON FILM RES. | RD16TPJ102    | 1K    | 1/6W |      |       |
| R 3095 | J07225224 | CARBON FILM RES. | RD16TPJ224    | 220K  | 1/6W |      |       |
| R 3096 | J07225332 | CARBON FILM RES. | RD16TPJ332    | 3.3K  | 1/6W |      |       |
| R 3097 | J07225102 | CARBON FILM RES. | RD16TPJ102    | 1K    | 1/6W |      |       |
| R 3098 | J07225332 | CARBON FILM RES. | RD16TPJ332    | 3.3K  | 1/6W |      |       |
| R 3099 | J07225820 | CARBON FILM RES. | RD16TPJ820    | 82    | 1/6W |      |       |
| R 3100 | J07225223 | CARBON FILM RES. | RD16TPJ223    | 22K   | 1/6W |      |       |
| R 3101 | J07225221 | CARBON FILM RES. | RD16TPJ221    | 220   | 1/6W |      |       |
| R 3102 | J07225222 | CARBON FILM RES. | RD16TPJ222    | 2.2K  | 1/6W |      |       |
| R 3103 | J07225222 | CARBON FILM RES. | RD16TPJ222    | 2.2K  | 1/6W |      |       |
| R 3104 | J07225103 | CARBON FILM RES. | RD16TPJ103    | 10K   | 1/6W |      |       |
| R 3105 | J07225101 | CARBON FILM RES. | RD16TPJ101    | 100   | 1/6W |      |       |
| R 3106 | J07225471 | CARBON FILM RES. | RD16TPJ471    | 470   | 1/6W |      |       |
| R 3107 | J07225102 | CARBON FILM RES. | RD16TPJ102    | 1K    | 1/6W |      |       |
| R 3108 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |
| R 3109 | J07225104 | CARBON FILM RES. | RD16TPJ104    | 100K  | 1/6W |      |       |
| R 3110 | J07225104 | CARBON FILM RES. | RD16TPJ104    | 100K  | 1/6W |      |       |
| R 3111 | J07225103 | CARBON FILM RES. | RD16TPJ103    | 10K   | 1/6W |      |       |
| R 3112 | J07225101 | CARBON FILM RES. | RD16TPJ101    | 100   | 1/6W |      |       |
| R 3113 | J07225101 | CARBON FILM RES. | RD16TPJ101    | 100   | 1/6W |      |       |
| R 3114 | J07225101 | CARBON FILM RES. | RD16TPJ101    | 100   | 1/6W |      |       |
| R 3115 | J07225010 | CARBON FILM RES. | RD16TPJ010    | 1     | 1/6W |      |       |
| R 3116 | J07225221 | CARBON FILM RES. | RD16TPJ221    | 220   | 1/6W |      |       |
| R 3117 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |
| R 3118 | J07225102 | CARBON FILM RES. | RD16TPJ102    | 1K    | 1/6W |      |       |
| R 3119 | J07225104 | CARBON FILM RES. | RD16TPJ104    | 100K  | 1/6W |      |       |
| R 3120 | J07225104 | CARBON FILM RES. | RD16TPJ104    | 100K  | 1/6W |      |       |
| R 3121 | J07225102 | CARBON FILM RES. | RD16TPJ102    | 1K    | 1/6W |      |       |
| R 3122 | J07225101 | CARBON FILM RES. | RD16TPJ101    | 100   | 1/6W |      |       |
| R 3123 | J07225479 | CARBON FILM RES. | RD16TPJ4R7    | 4.7   | 1/6W |      |       |
| R 3124 | J07225154 | CARBON FILM RES. | RD16TPJ154    | 150K  | 1/6W |      |       |
| R 3125 | J07225102 | CARBON FILM RES. | RD16TPJ102    | 1K    | 1/6W |      |       |
| R 3126 | J07225332 | CARBON FILM RES. | RD16TPJ332    | 3.3K  | 1/6W |      |       |
| R 3127 | J07225681 | CARBON FILM RES. | RD16TPJ681    | 680   | 1/6W |      |       |
| R 3128 | J07225222 | CARBON FILM RES. | RD16TPJ222    | 2.2K  | 1/6W |      |       |
| R 3129 | J07225221 | CARBON FILM RES. | RD16TPJ221    | 220   | 1/6W |      |       |
| R 3130 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |
| R 3131 | J07225683 | CARBON FILM RES. | RD16TPJ683    | 68K   | 1/6W |      |       |
| R 3132 | J07225151 | CARBON FILM RES. | RD16TPJ151    | 150   | 1/6W |      |       |
| R 3133 | J07225331 | CARBON FILM RES. | RD16TPJ331    | 330   | 1/6W |      |       |
| R 3134 | J07225472 | CARBON FILM RES. | RD16TPJ472    | 4.7K  | 1/6W |      |       |
| R 3135 | J07225102 | CARBON FILM RES. | RD16TPJ102    | 1K    | 1/6W |      |       |
| R 3136 | J07225153 | CARBON FILM RES. | RD16TPJ153    | 15K   | 1/6W |      |       |
| R 3137 | J07225471 | CARBON FILM RES. | RD16TPJ471    | 470   | 1/6W |      |       |
| R 3138 | J07225222 | CARBON FILM RES. | RD16TPJ222    | 2.2K  | 1/6W |      |       |
| R 3139 | J07225221 | CARBON FILM RES. | RD16TPJ221    | 220   | 1/6W |      |       |
| R 3140 | J07225222 | CARBON FILM RES. | RD16TPJ222    | 2.2K  | 1/6W |      |       |

For Service Manuals Contact  
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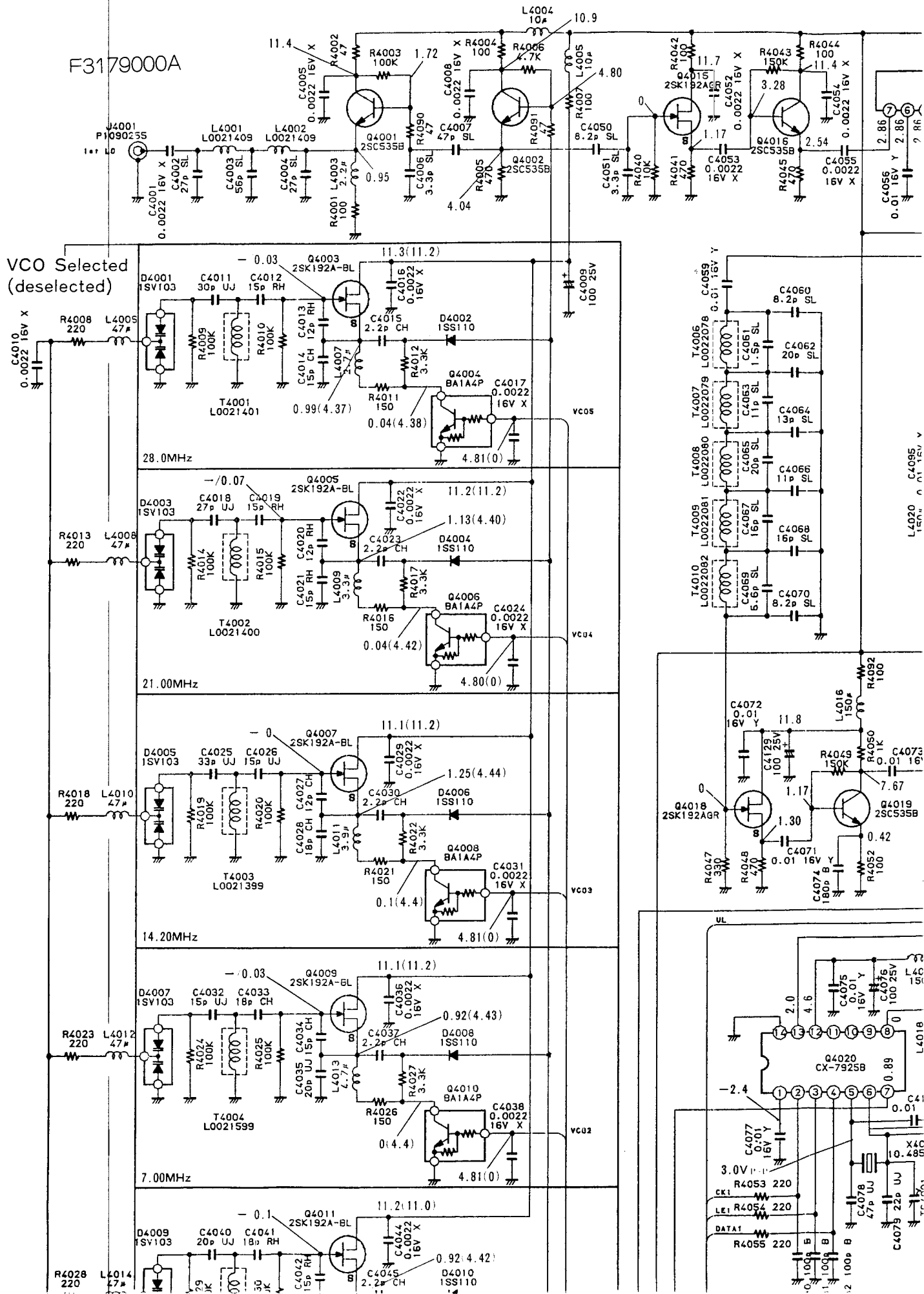
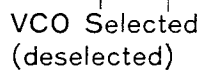
# AF Unit

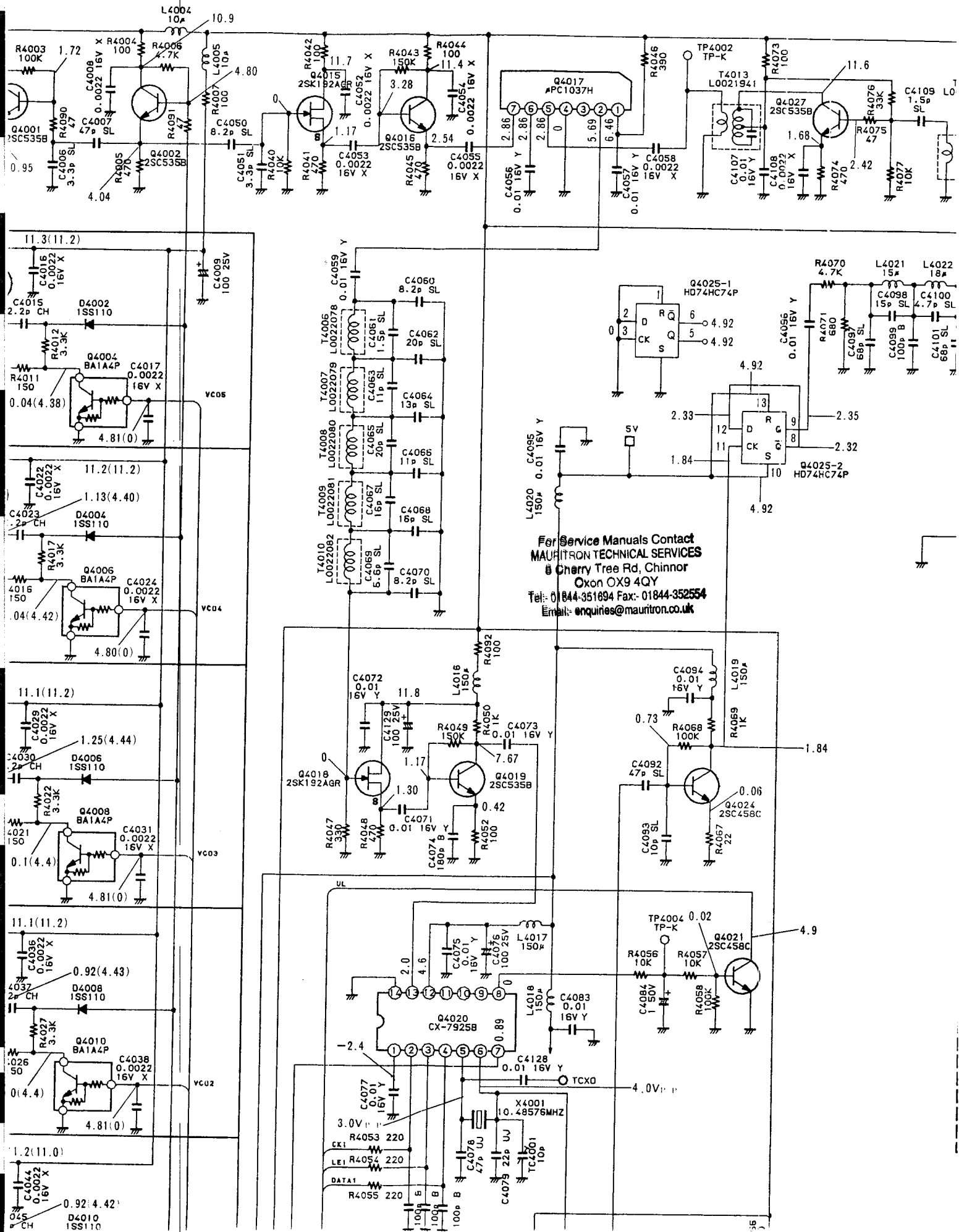
| REF.   | YAESU P/N | DESCRIPTION      | MFGR'S DESIG | VALUE | WV   | TOL. | VERS. |
|--------|-----------|------------------|--------------|-------|------|------|-------|
| R 3141 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 3142 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 3143 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 3144 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 3145 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 3146 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 3148 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 3149 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 3153 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 3154 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 3156 | J07225683 | CARBON FILM RES. | RD16TPJ683   | 68K   | 1/6W |      |       |
| R 3157 | J07225101 | CARBON FILM RES. | RD16TPJ101   | 100   | 1/6W |      |       |
| R 3158 | J07225101 | CARBON FILM RES. | RD16TPJ101   | 100   | 1/6W |      |       |
| R 3159 | J07225101 | CARBON FILM RES. | RD16TPJ101   | 100   | 1/6W |      |       |
| R 3160 | J07225473 | CARBON FILM RES. | RD16TPJ473   | 47K   | 1/6W |      |       |
| R 3161 | J07225222 | CARBON FILM RES. | RD16TPJ222   | 2. 2K | 1/6W |      |       |
| R 3162 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 3163 | J07225473 | CARBON FILM RES. | RD16TPJ473   | 47K   | 1/6W |      |       |
| R 3164 | J07225471 | CARBON FILM RES. | RD16TPJ471   | 470   | 1/6W |      |       |
| R 3165 | J07225472 | CARBON FILM RES. | RD16TPJ472   | 4. 7K | 1/6W |      |       |
| R 3166 | J07225101 | CARBON FILM RES. | RD16TPJ101   | 100   | 1/6W |      |       |
| R 3167 | J07225472 | CARBON FILM RES. | RD16TPJ472   | 4. 7K | 1/6W |      |       |
| R 3169 | J07225473 | CARBON FILM RES. | RD16TPJ473   | 47K   | 1/6W |      |       |
| R 3170 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 3171 | J07225332 | CARBON FILM RES. | RD16TPJ332   | 3. 3K | 1/6W |      |       |
| R 3177 | J07225820 | CARBON FILM RES. | RD16TPJ820   | 82    | 1/6W |      |       |
| R 3178 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 3179 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 3182 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 3183 | J07225105 | CARBON FILM RES. | RD16TPJ105   | 1M    | 1/6W |      |       |
| R 3184 | J07225332 | CARBON FILM RES. | RD16TPJ332   | 3. 3K | 1/6W |      |       |
| R 3185 | J07225560 | CARBON FILM RES. | RD16TPJ560   | 56    | 1/6W |      |       |
| R 3187 | J07225102 | CARBON FILM RES. | RD16TPJ102   | 1K    | 1/6W |      |       |
| R 3188 | J07225471 | CARBON FILM RES. | RD16TPJ471   | 470   | 1/6W |      |       |
| R 3191 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 3192 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 3195 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 3196 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 3198 | J07225473 | CARBON FILM RES. | RD16TPJ473   | 47K   | 1/6W |      |       |
| R 3199 | J07225393 | CARBON FILM RES. | RD16TPJ393   | 39K   | 1/6W |      |       |
| R 3200 | J07225223 | CARBON FILM RES. | RD16TPJ223   | 22K   | 1/6W |      |       |
| R 3202 | J07225223 | CARBON FILM RES. | RD16TPJ223   | 22K   | 1/6W |      |       |
| R 3204 | J07225223 | CARBON FILM RES. | RD16TPJ223   | 22K   | 1/6W |      |       |
| R 3205 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 3206 | J07225393 | CARBON FILM RES. | RD16TPJ393   | 39K   | 1/6W |      |       |
| R 3207 | J07225223 | CARBON FILM RES. | RD16TPJ223   | 22K   | 1/6W |      |       |
| R 3208 | J07225105 | CARBON FILM RES. | RD16TPJ105   | 1M    | 1/6W |      |       |
| R 3209 | J07225101 | CARBON FILM RES. | RD16TPJ101   | 100   | 1/6W |      |       |
| R 3211 | J07225223 | CARBON FILM RES. | RD16TPJ223   | 22K   | 1/6W |      |       |
| R 3212 | J07225223 | CARBON FILM RES. | RD16TPJ223   | 22K   | 1/6W |      |       |
| R 3213 | J07225223 | CARBON FILM RES. | RD16TPJ223   | 22K   | 1/6W |      |       |
| R 3214 | J07225223 | CARBON FILM RES. | RD16TPJ223   | 22K   | 1/6W |      |       |
| R 3215 | J07225473 | CARBON FILM RES. | RD16TPJ473   | 47K   | 1/6W |      |       |
| R 3217 | J07225472 | CARBON FILM RES. | RD16TPJ472   | 4. 7K | 1/6W |      |       |
| R 3218 | J07225332 | CARBON FILM RES. | RD16TPJ332   | 3. 3K | 1/6W |      |       |

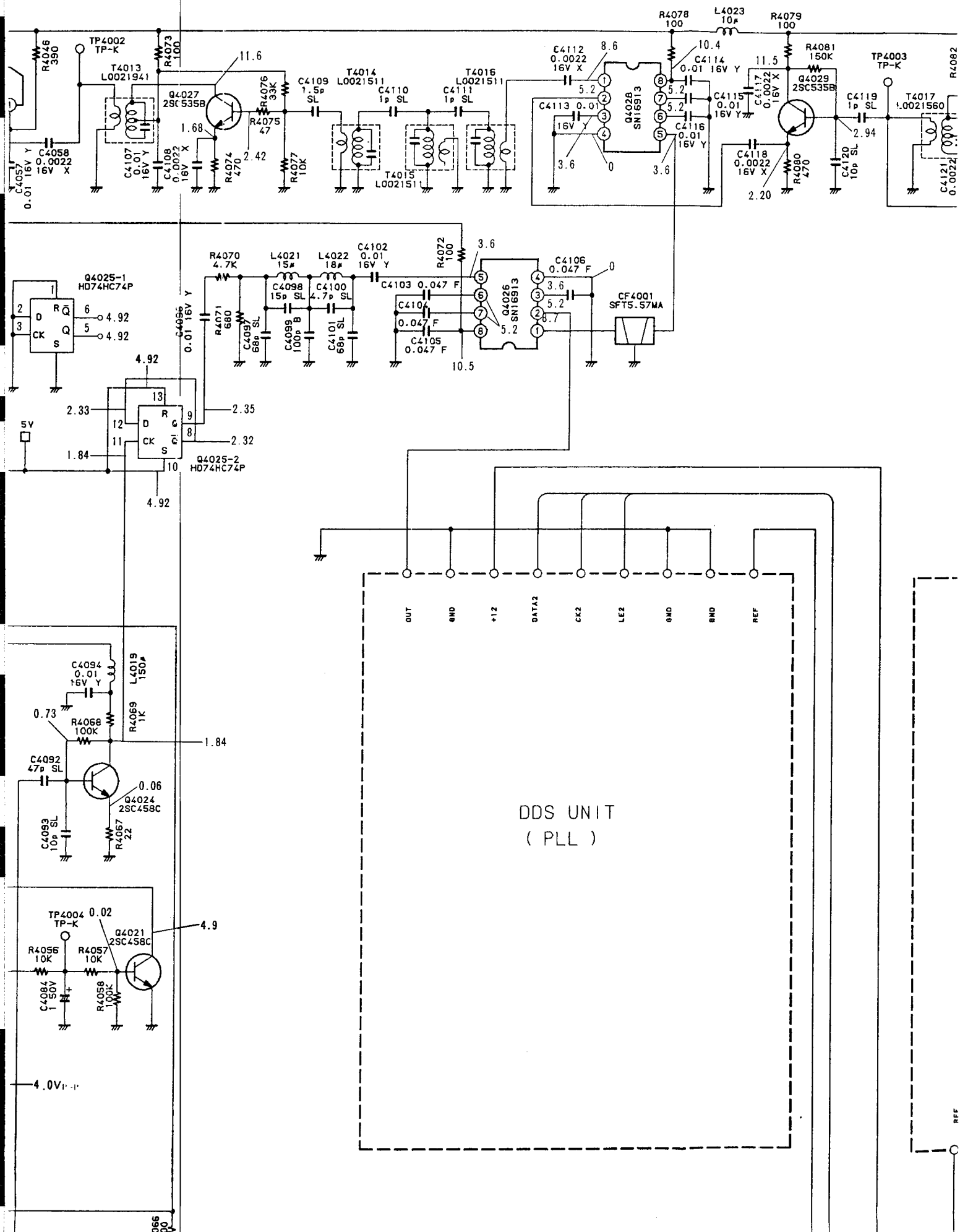
| REF.   | YAESU P/N | DESCRIPTION       | MFR'S DESIG   | VALUE   | WV   | TOL. | VERS. |
|--------|-----------|-------------------|---------------|---------|------|------|-------|
| R 3219 | J07225101 | CARBON FILM RES.  | RD16TPJ101    | 100     | 1/6W |      |       |
| R 3220 | J07225101 | CARBON FILM RES.  | RD16TPJ101    | 100     | 1/6W |      |       |
| R 3221 | J07225101 | CARBON FILM RES.  | RD16TPJ101    | 100     | 1/6W |      |       |
| R 3222 | J07225101 | CARBON FILM RES.  | RD16TPJ101    | 100     | 1/6W |      |       |
| R 3223 | J07225183 | CARBON FILM RES.  | RD16TPJ183    | 18K     | 1/6W |      |       |
| R 3224 | J07225103 | CARBON FILM RES.  | RD16TPJ103    | 10K     | 1/6W |      |       |
| R 3225 | J07225223 | CARBON FILM RES.  | RD16TPJ223    | 22K     | 1/6W |      |       |
| R 3226 | J07225102 | CARBON FILM RES.  | RD16TPJ102    | 1K      | 1/6W |      |       |
| R 3227 | J07225154 | CARBON FILM RES.  | RD16TPJ154    | 150K    | 1/6W |      |       |
| R 3228 | J07225473 | CARBON FILM RES.  | RD16TPJ473    | 47K     | 1/6W |      |       |
| R 3229 | J07225683 | CARBON FILM RES.  | RD16TPJ683    | 68K     | 1/6W |      |       |
| R 3230 | J07225472 | CARBON FILM RES.  | RD16TPJ472    | 4.7K    | 1/6W |      |       |
| R 3231 | J07225104 | CARBON FILM RES.  | RD16TPJ104    | 100K    | 1/6W |      |       |
| R 3232 | J07225182 | CARBON FILM RES.  | RD16TPJ182    | 1.8K    | 1/6W |      |       |
| R 3233 | J07225473 | CARBON FILM RES.  | RD16TPJ473    | 47K     | 1/6W |      |       |
| S 3001 | N6090051  | SLIDE SWITCH      | SSS212299     |         |      |      |       |
| T 3001 | L0020788A | COIL              | 4-1 2D3 TR6X3 |         |      |      |       |
| TP3001 | Q5000050  | TP-K              | IPS-1136      |         |      |      |       |
| TP3002 | Q5000050  | TP-K              | IPS-1136      |         |      |      |       |
| TP3003 | Q5000050  | TP-K              | IPS-1136      |         |      |      |       |
| VR3001 | J50784103 | POT.              | EVN-DCAA03B14 | 10K     |      |      |       |
| VR3002 | J50784504 | POT.              | EVN-DCAA03B55 | 500K    |      |      |       |
| VR3003 | J50784103 | POT.              | EVN-DCAA03B14 | 10K     |      |      |       |
| VR3004 | J51783102 | POT.              | EVN-DXAA03B13 | 1K      |      |      |       |
| VR3005 | J50784103 | POT.              | EVN-DCAA03B14 | 10K     |      |      |       |
| VR3006 | J51783102 | POT.              | EVN-DXAA03B13 | 1K      |      |      |       |
| VR3007 | J50784202 | POT.              | EVN-DCAA03B23 | 2K      |      |      |       |
| VR3008 | J50784103 | POT.              | EVN-DCAA03B14 | 10K     |      |      |       |
| VR3009 | J50784103 | POT.              | EVN-DCAA03B14 | 10K     |      |      |       |
| VR3010 | J51783102 | POT.              | EVN-DXAA03B13 | 1K      |      |      |       |
| VR3011 | J50784103 | POT.              | EVN-DCAA03B14 | 10K     |      |      |       |
| VR3012 | J50784103 | POT.              | EVN-DCAA03B14 | 10K     |      |      |       |
| VR3013 | J51783103 | POT.              | EVN-DCAA03B14 | 10K     |      |      |       |
| VR3014 | J51783103 | POT.              | EVN-DCAA03B14 | 10K     |      |      |       |
| VR3015 | J51783102 | POT.              | EVN-DXAA03B13 | 1K      |      |      |       |
| VR3016 | J51783201 | POT.              | EVN-DXAA03B22 | 200     |      |      |       |
| VR3017 | J51783502 | POT.              | EVN-DXAA03B53 | 5K      |      |      |       |
| VR3018 | J51783102 | POT.              | EVN-DXAA03B13 | 1K      |      |      |       |
| VR3019 | J51783102 | POT.              | EVN-DXAA03B13 | 1K      |      |      |       |
| X 3001 | H0102409  | XTAL              |               | 7.20MHZ |      |      |       |
| X 3002 | H7900170  | CERAMIC OSC       | CSA4.00MG5    |         |      |      |       |
|        | Q9000548  | THERMAL CONDUCTOR | 45T-T0-220    |         |      |      |       |
|        | R0137420  | HEATSINK PLATE    |               |         |      |      |       |
|        | R0134490  | FITTING           |               |         |      |      |       |
|        | R0136960  | FITTING R         |               |         |      |      |       |
|        | R0136970  | FITTING L         |               |         |      |      |       |

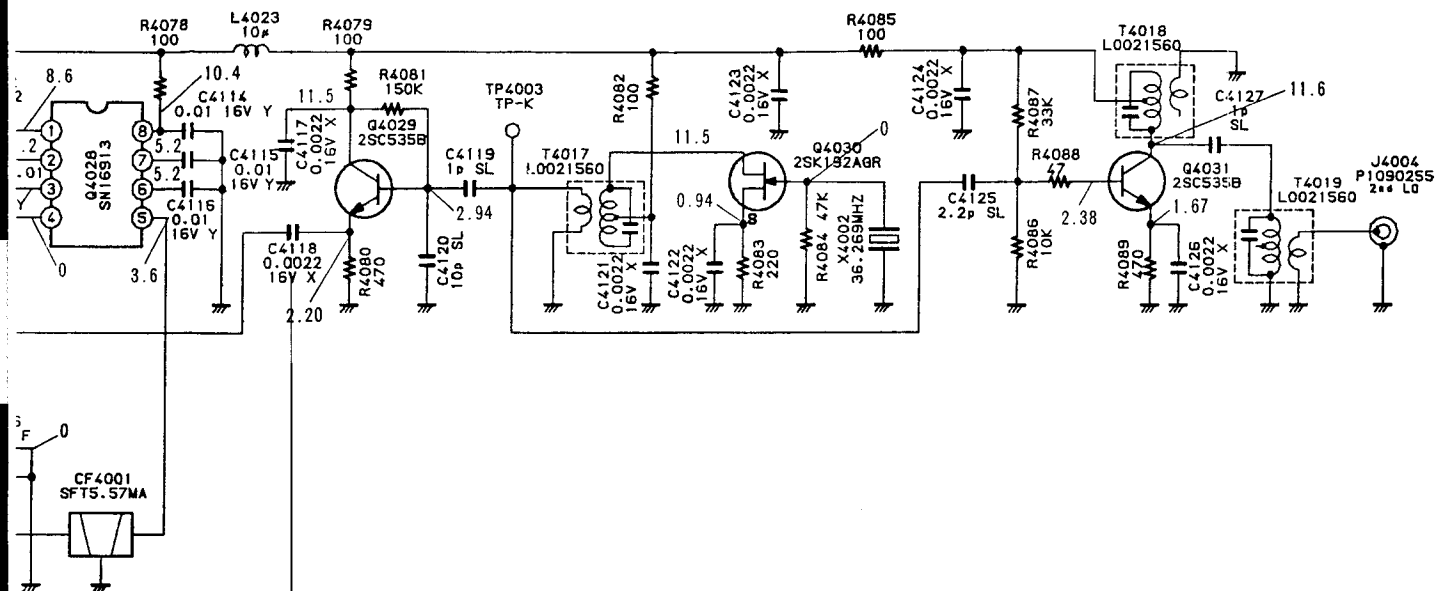
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 8 Cherry Tree Rd, Chinnor  
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 Tel: 01844-351694 Fax: 01844-352554  
 Email: enquiries@mauritron.co.uk

F3179000A



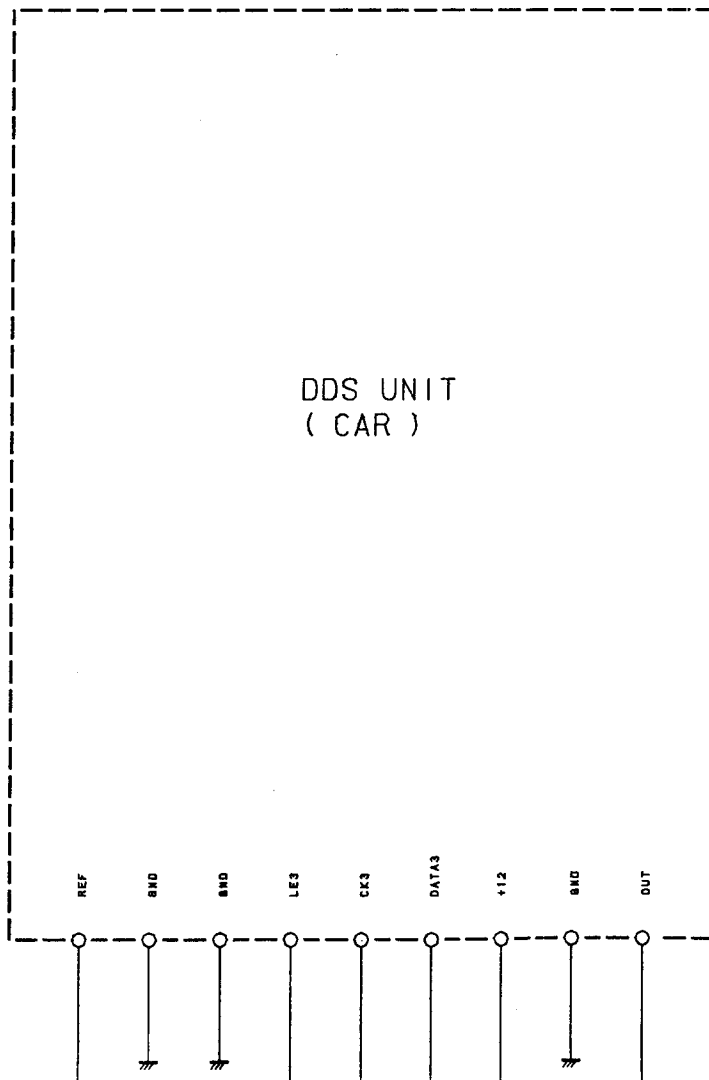




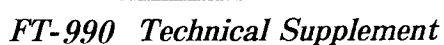


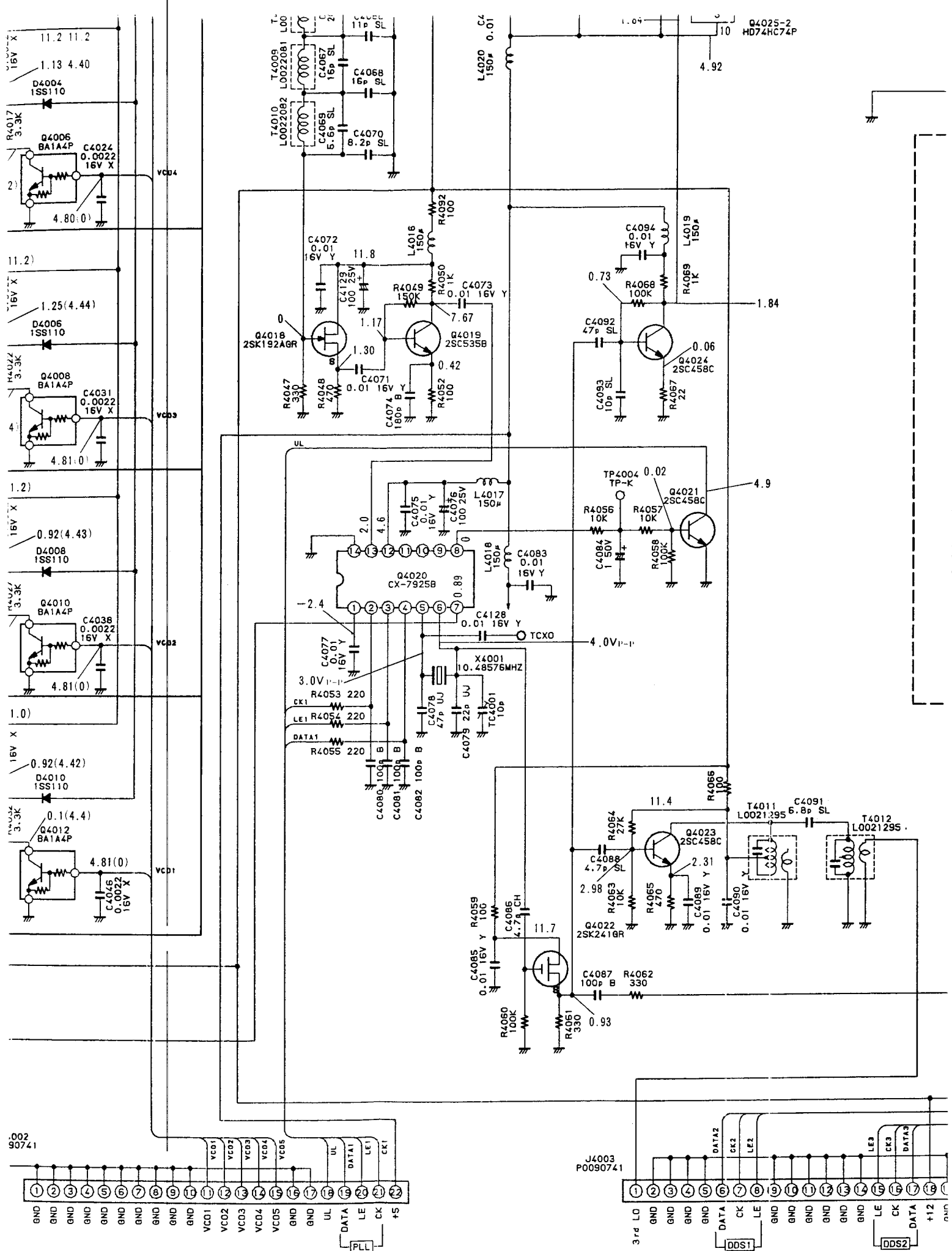
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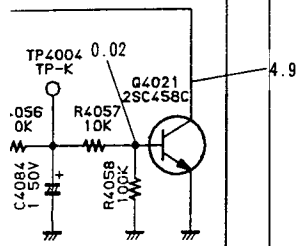
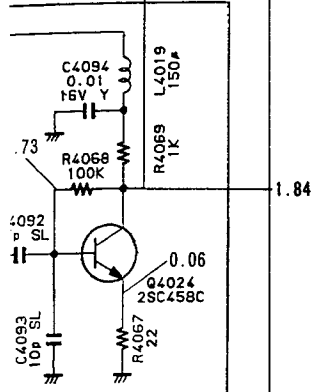




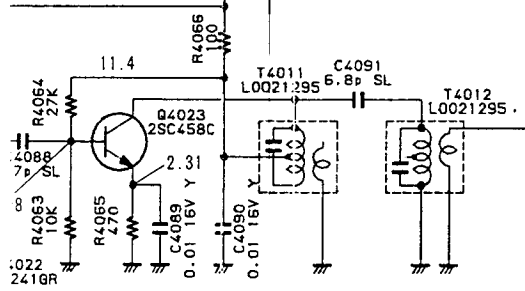




1.64 S  
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4.92

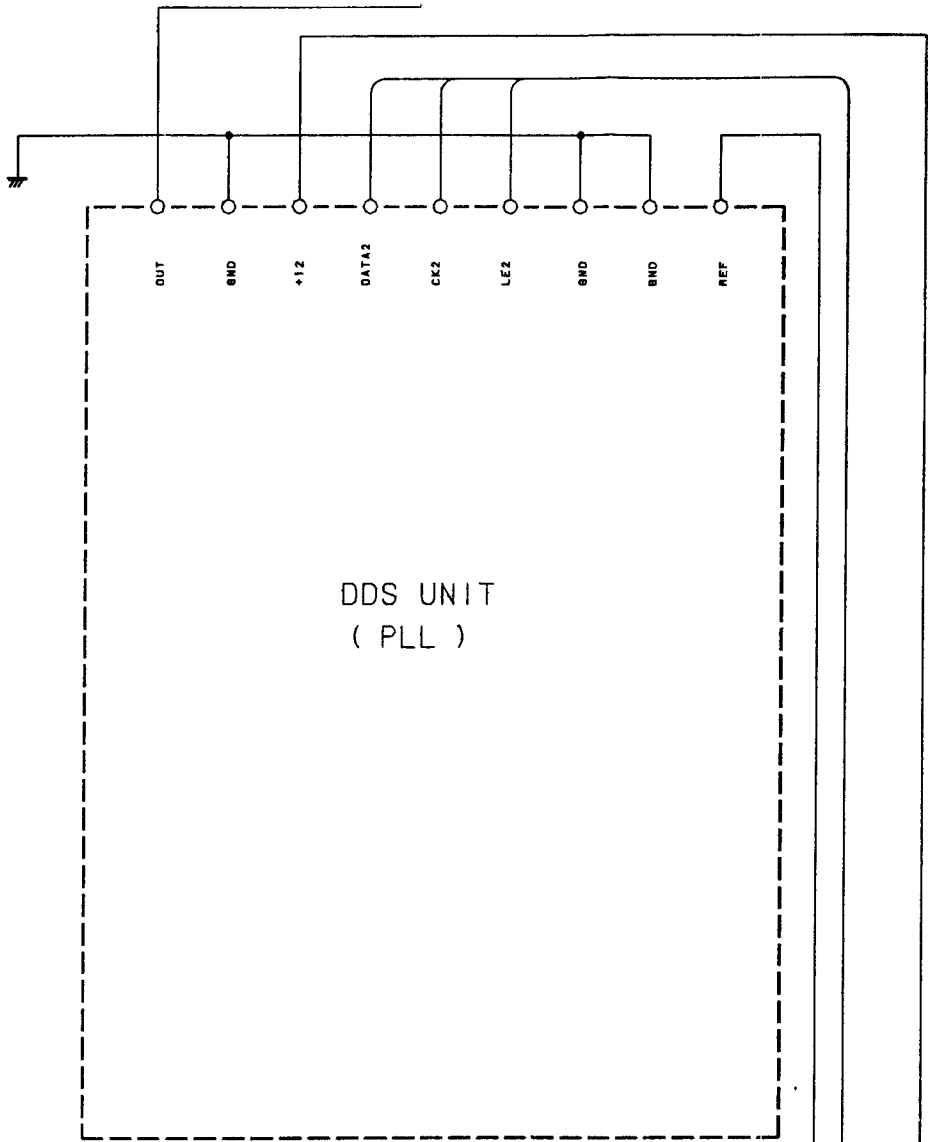
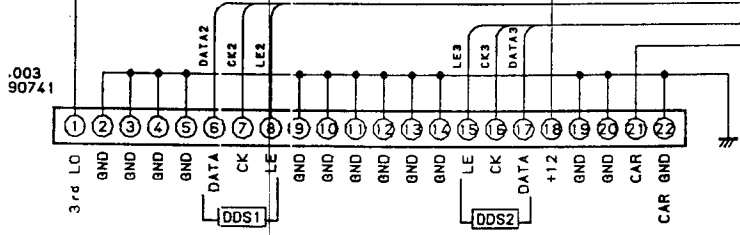


0.0V P-P



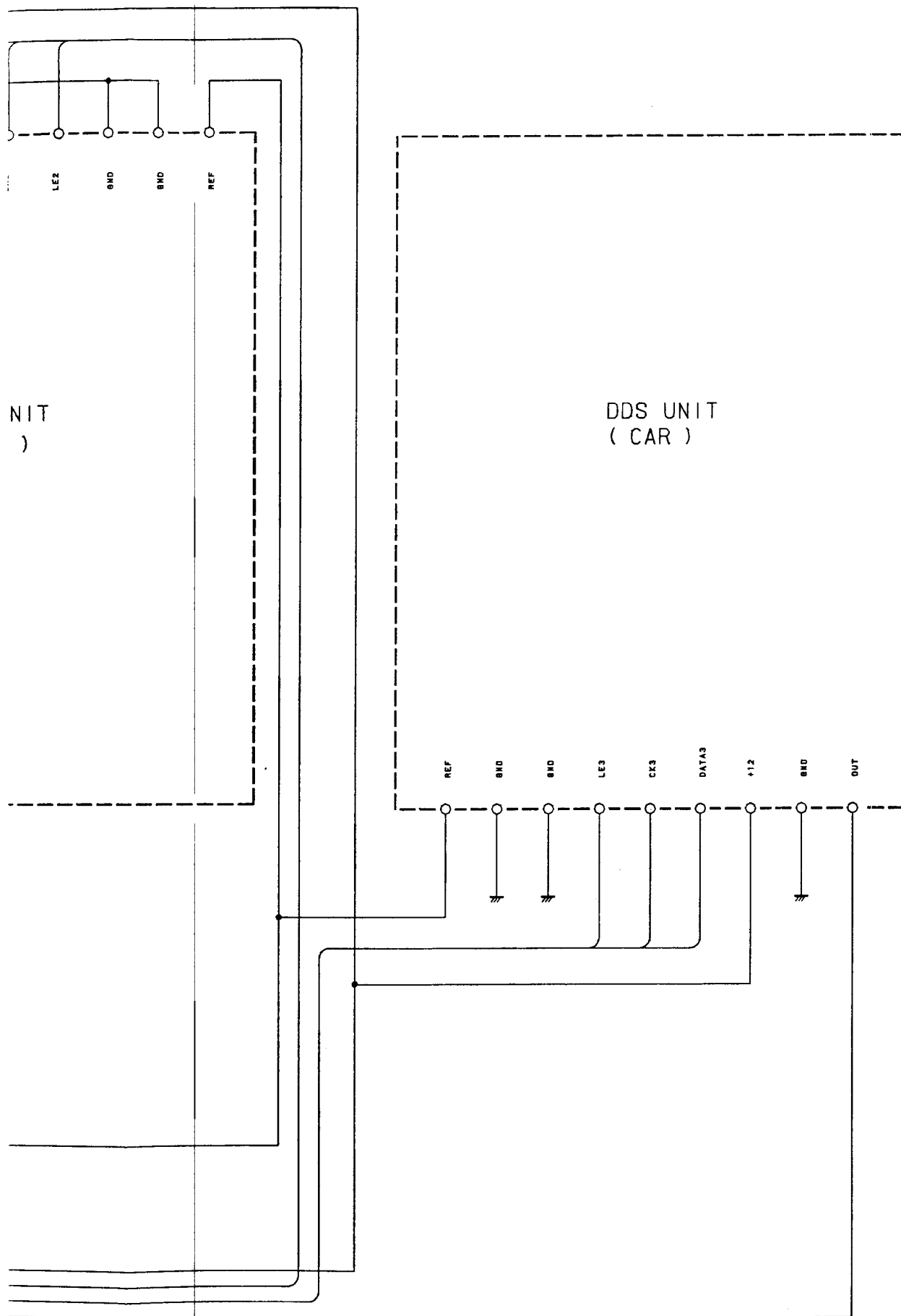
0.087 R4062  
3p B 330

0.93



NOTE:  
RESISTOR VALUES ARE IN Ω, 1/6W ;  
CAPACITOR VALUES ARE IN µF, 50V ;  
INDUCTOR VALUES ARE IN H  
UNLESS OTHERWISE NOTED.

Receive DC  
Measuring C  
Frequency:  
Mode: CW

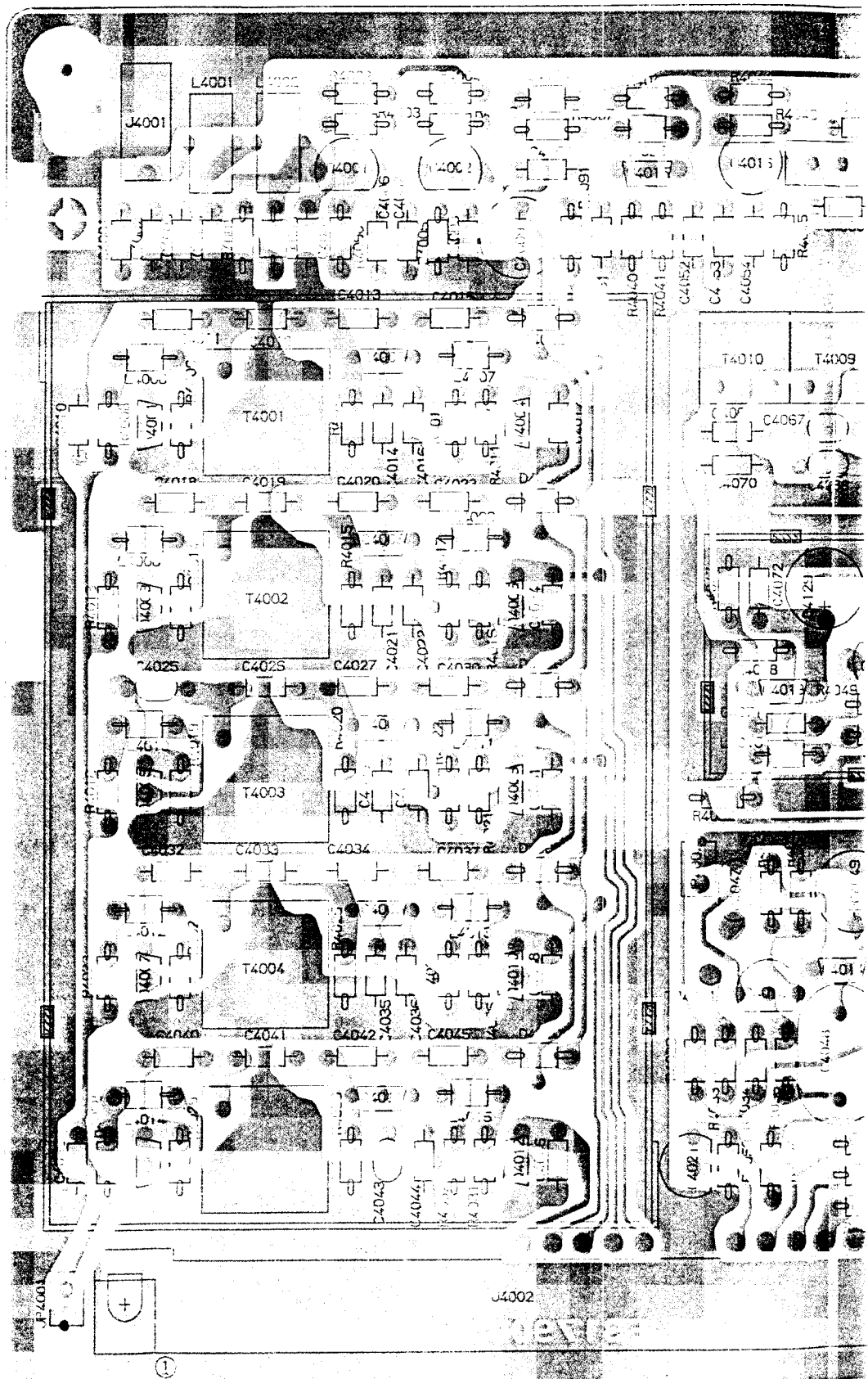


NOTE:  
 RESISTOR VALUES ARE IN  $\Omega$ , 1/GW ;  
 CAPACITOR VALUES ARE IN  $\mu$ F, SOV ;  
 INDUCTOR VALUES ARE IN H  
 UNLESS OTHERWISE NOTED.

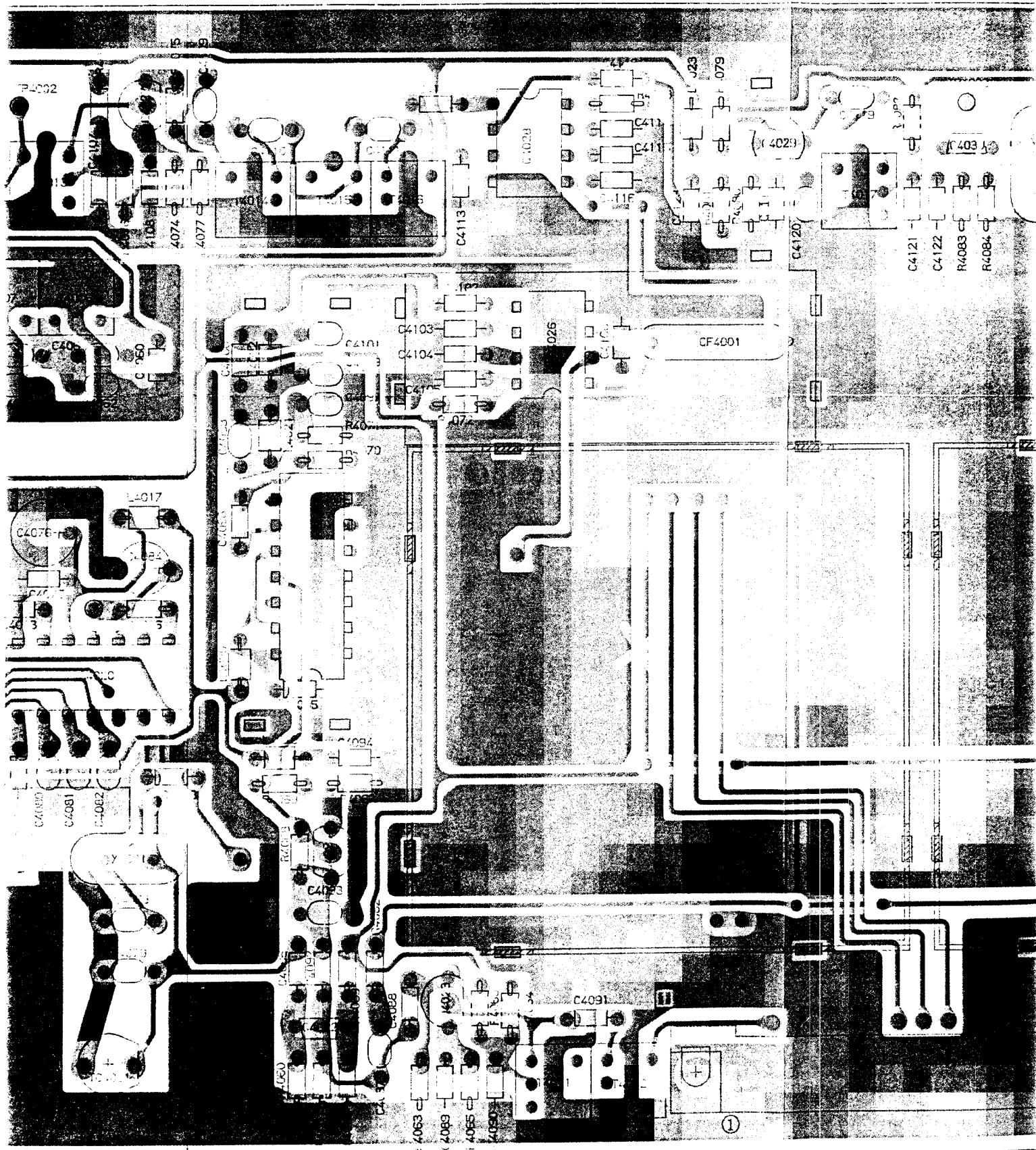
Receive DC Voltage  
 Measuring Conditions  
 Frequency: 14.200MHz  
 Mode: CW

LOCAL UNIT

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C4121  
C4122  
R4083  
R4084

CF4001

C4028

C4113

C4103

C4104

R4070

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C4017

C4076

C4081

C4080

P4002

C4001

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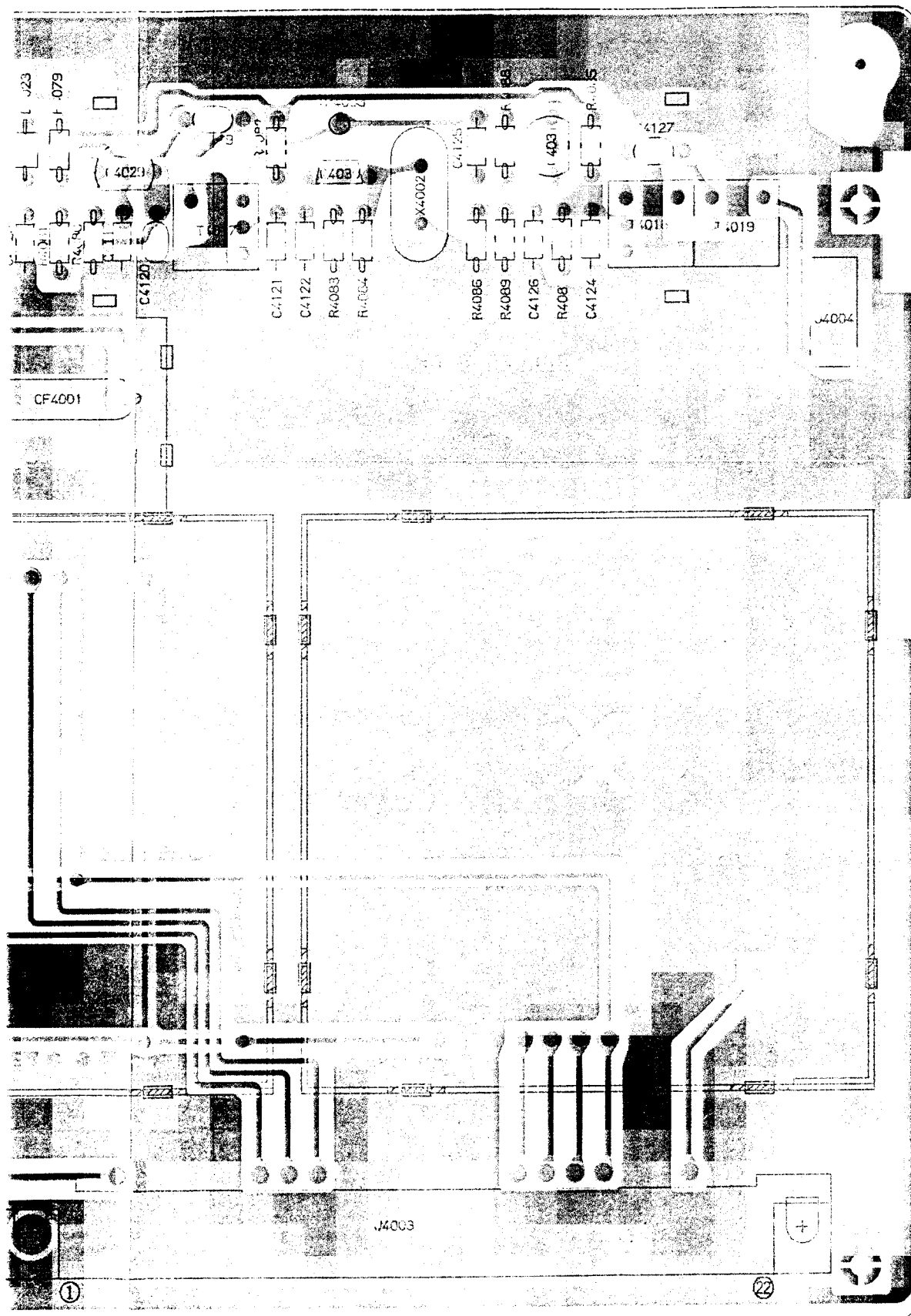
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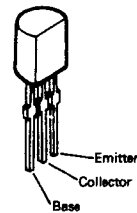
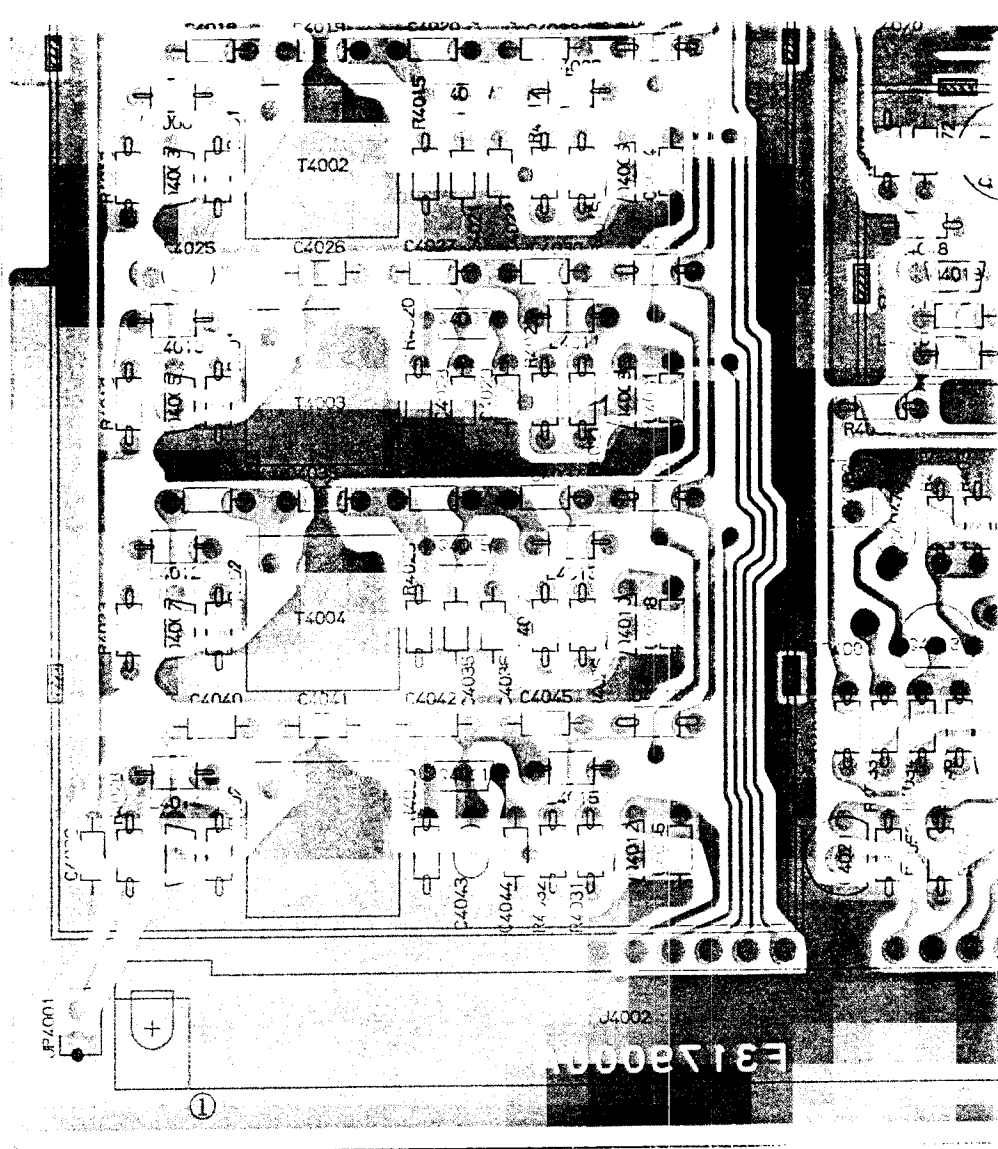
C4307

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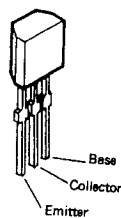


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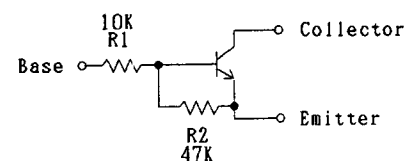




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4019, 4027, 4029,  
4031)  
2SC732TMBL  
(Q4013)

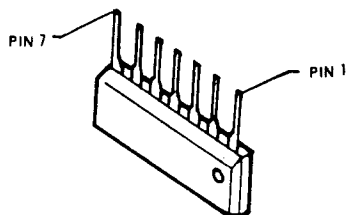
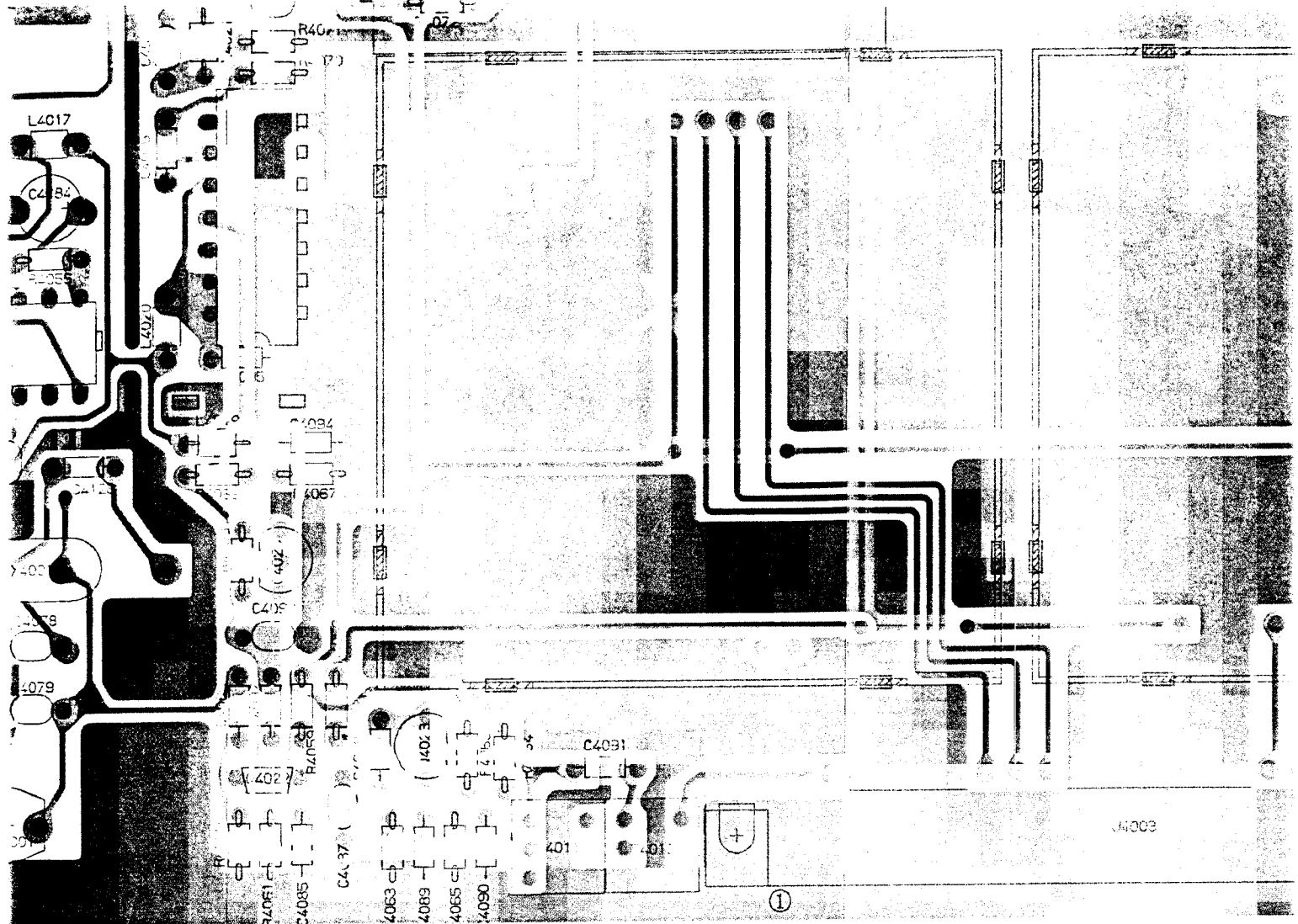


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4010, 4012)

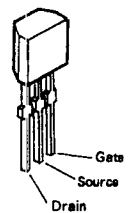


BA1A4P CIRCUIT DIAGRAM

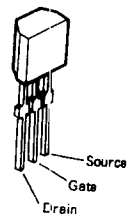




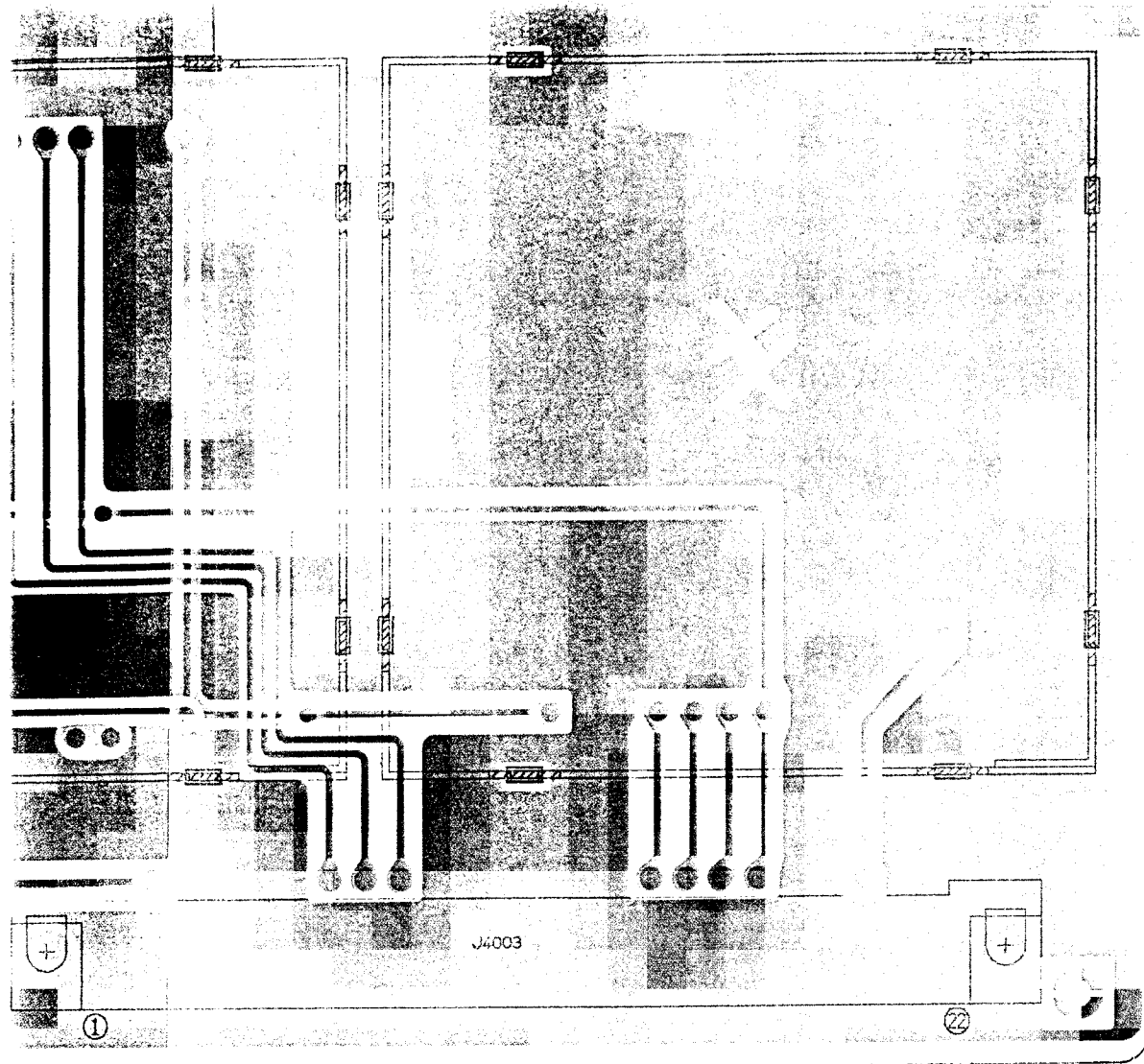
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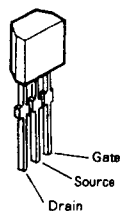
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(Q4022)



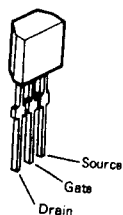
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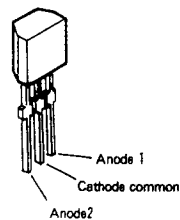
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2SK241GR  
(Q4022)



2SK184Y  
(Q4014)

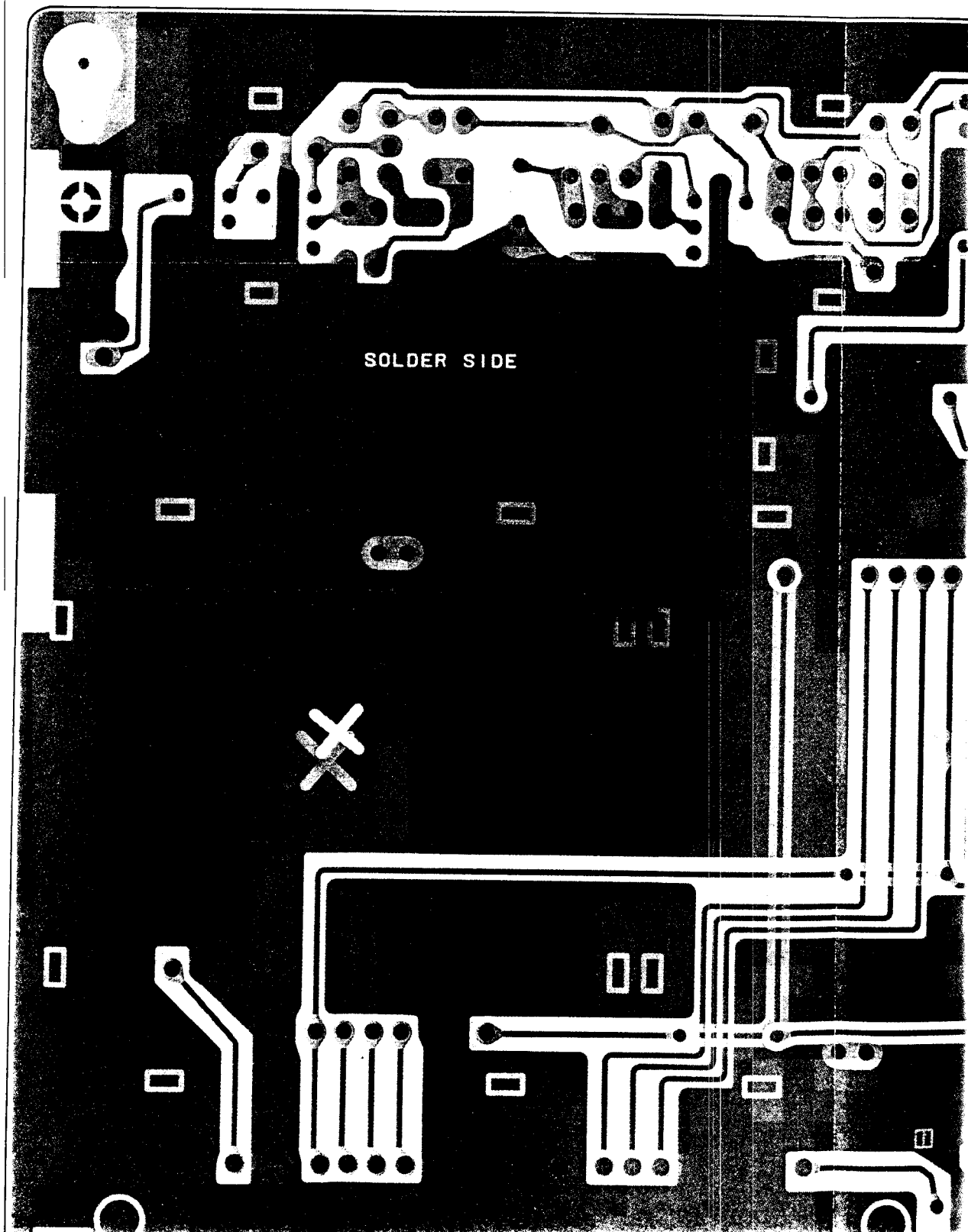


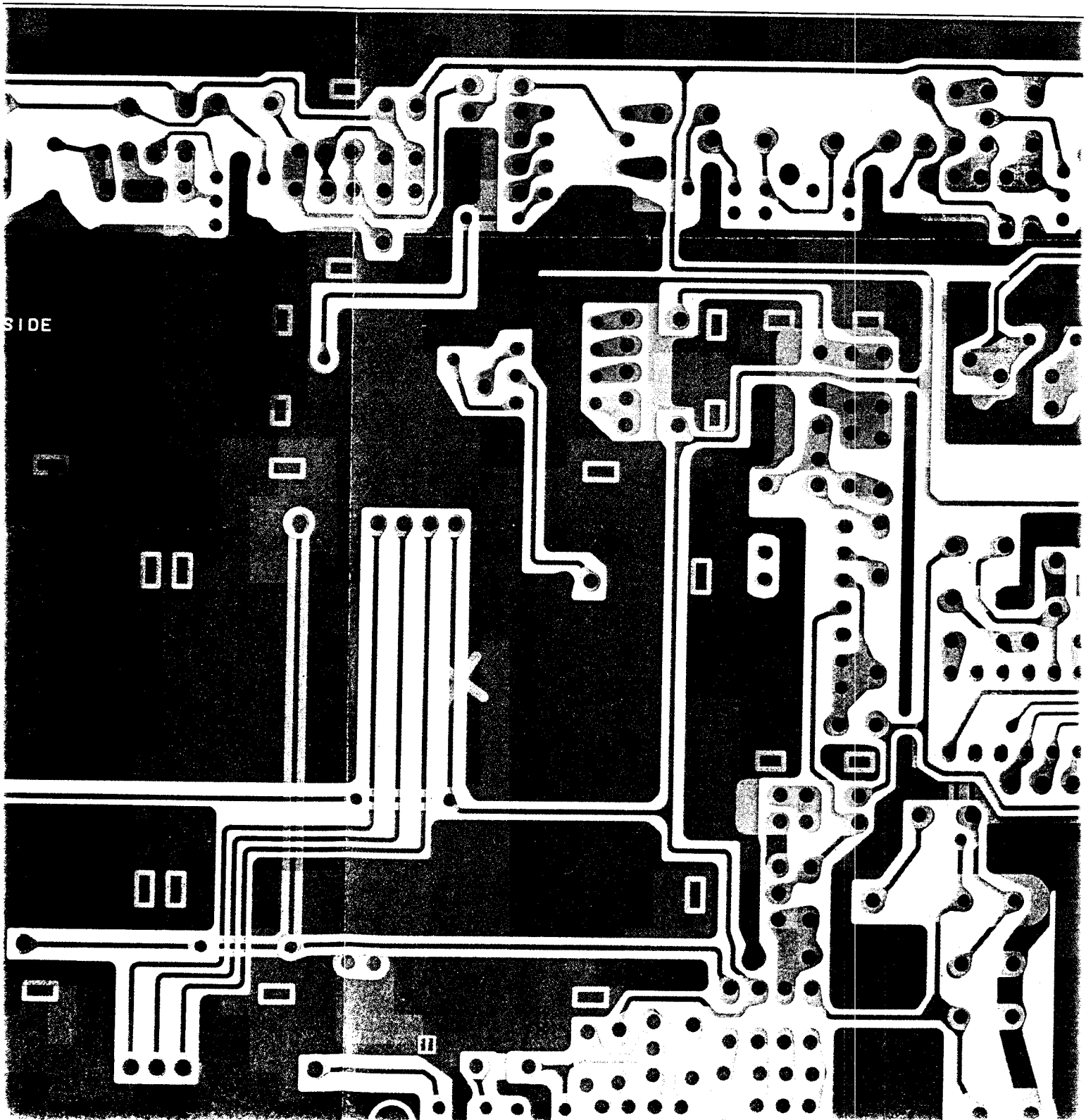
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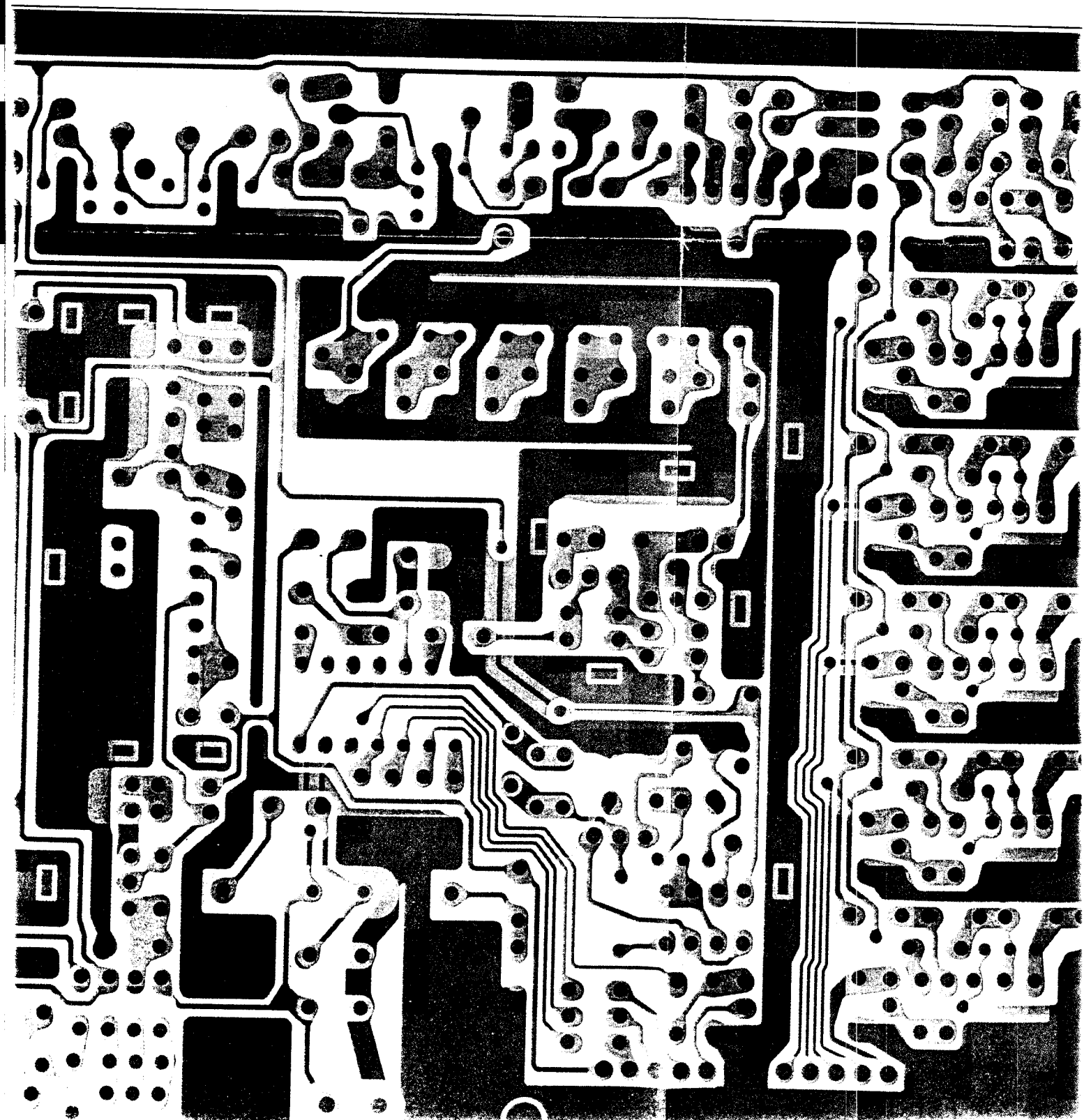
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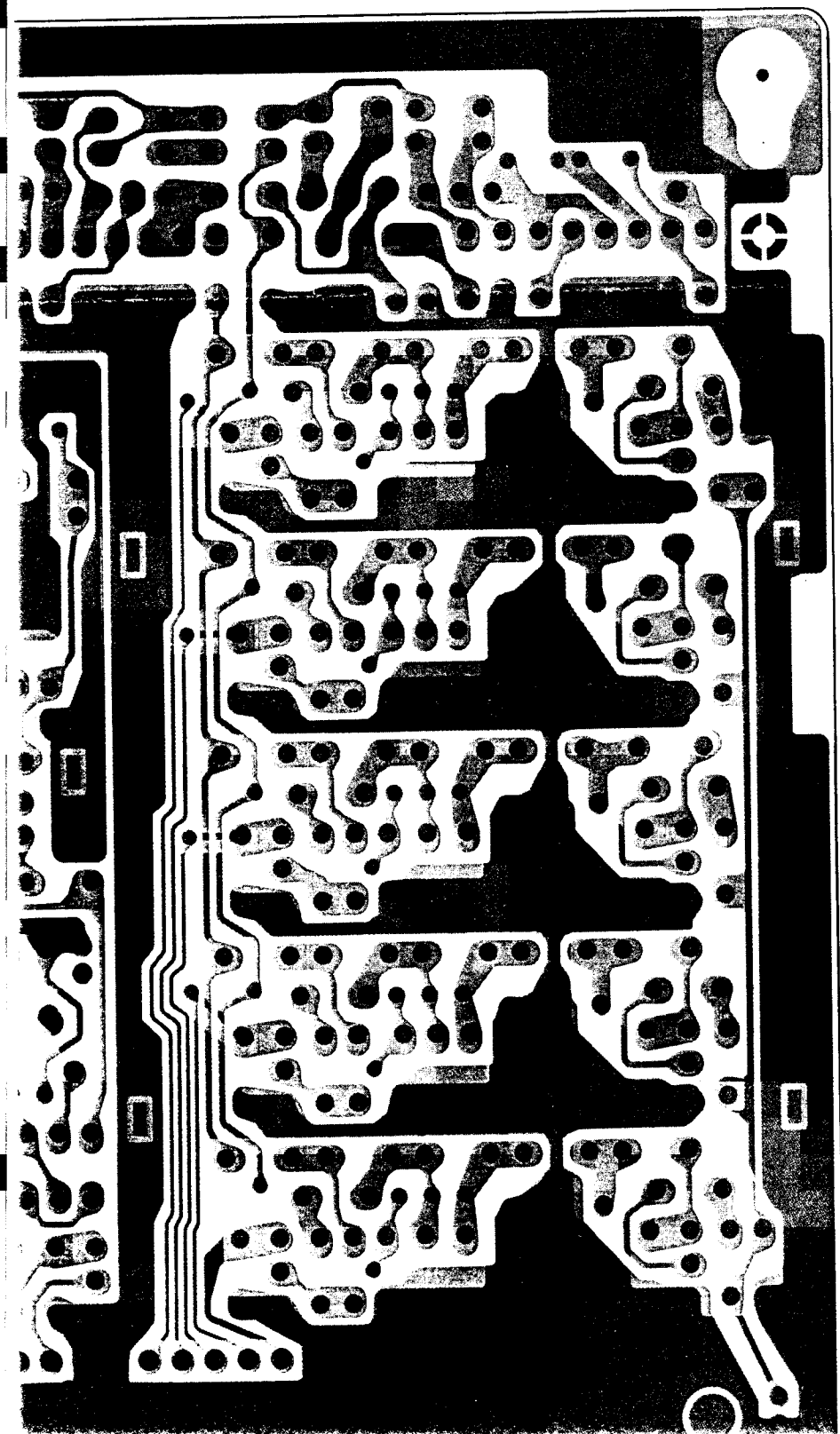
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**Email: [enquiries@mauritron.co.uk](mailto:enquiries@mauritron.co.uk)**

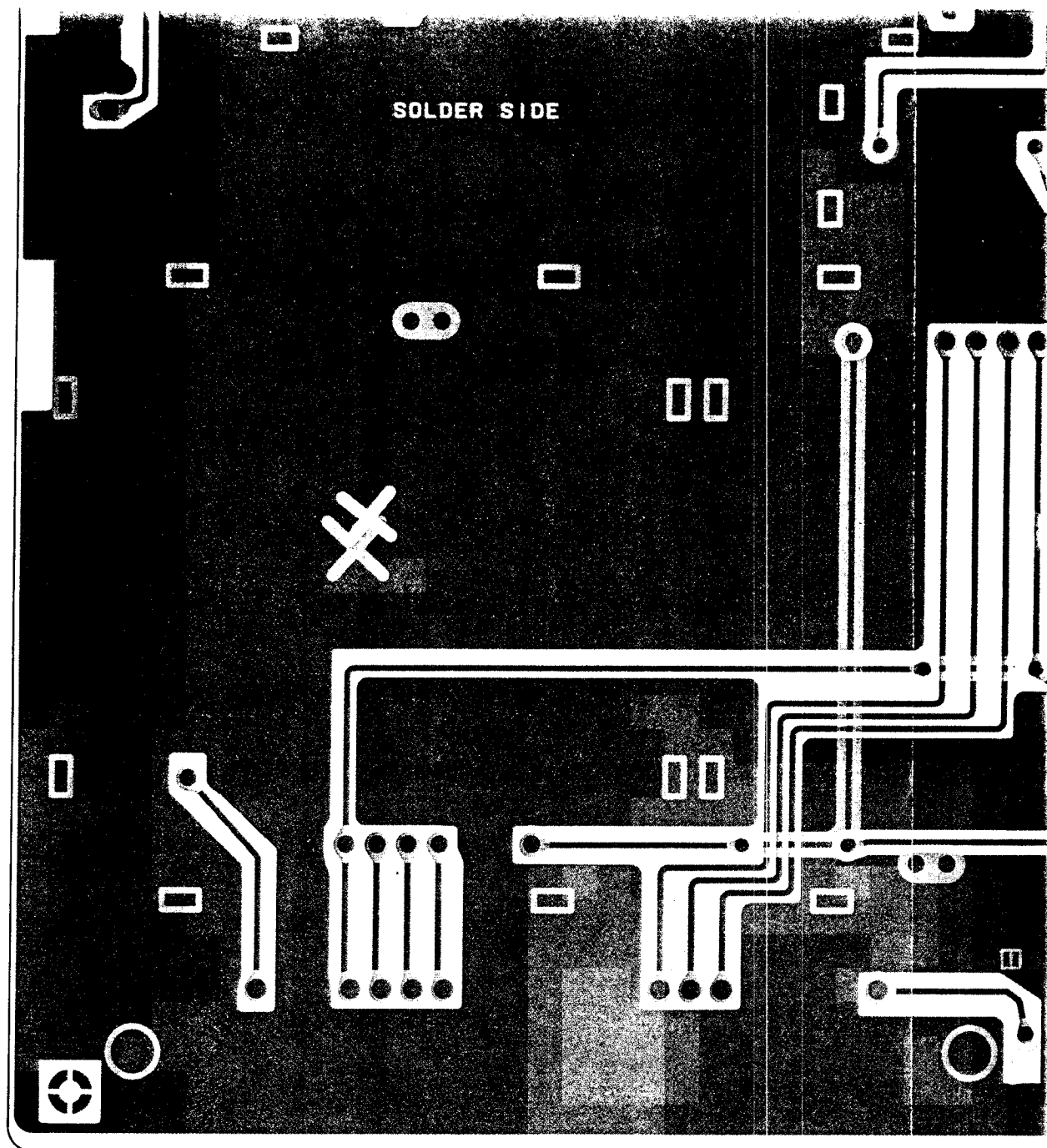






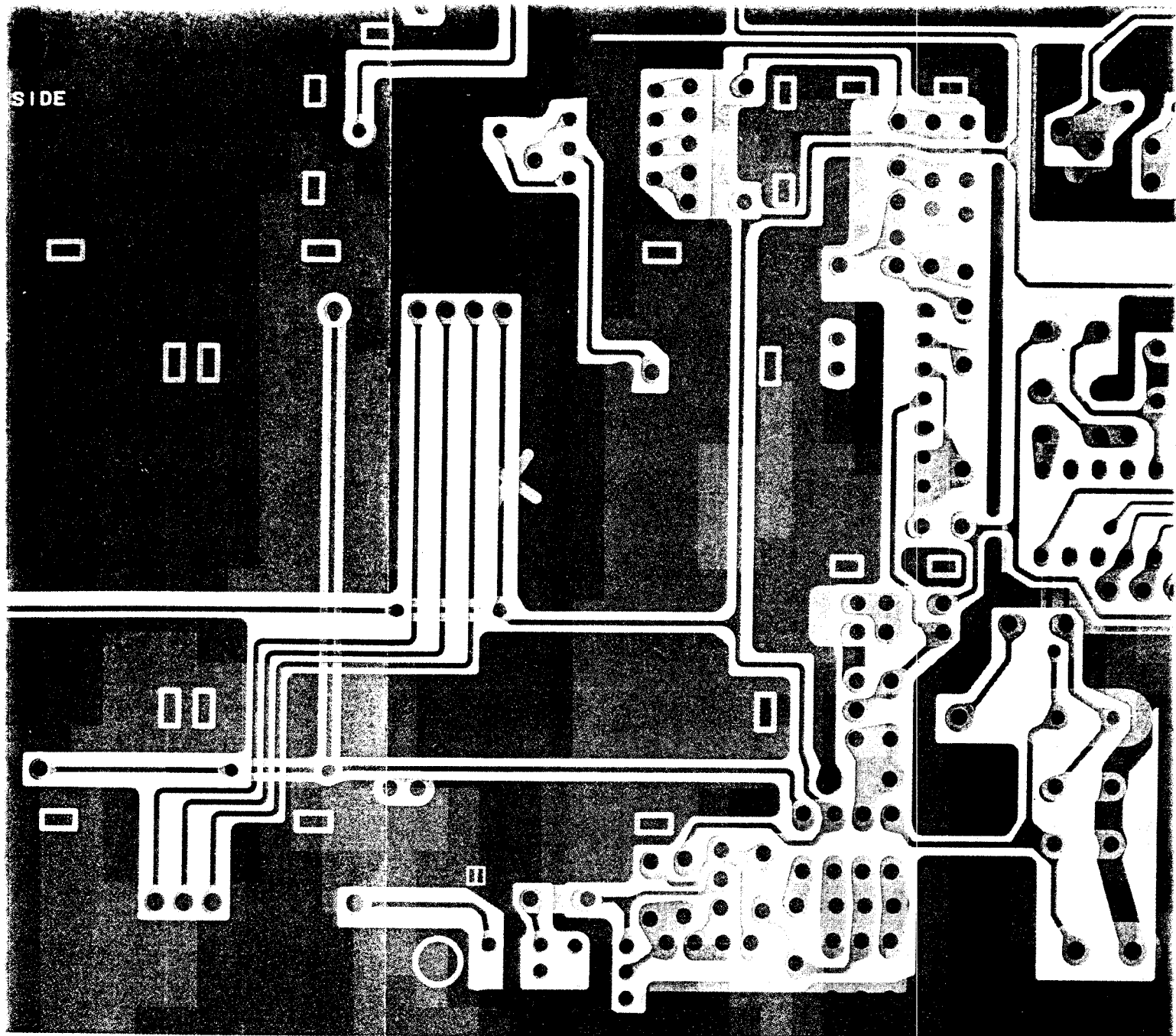


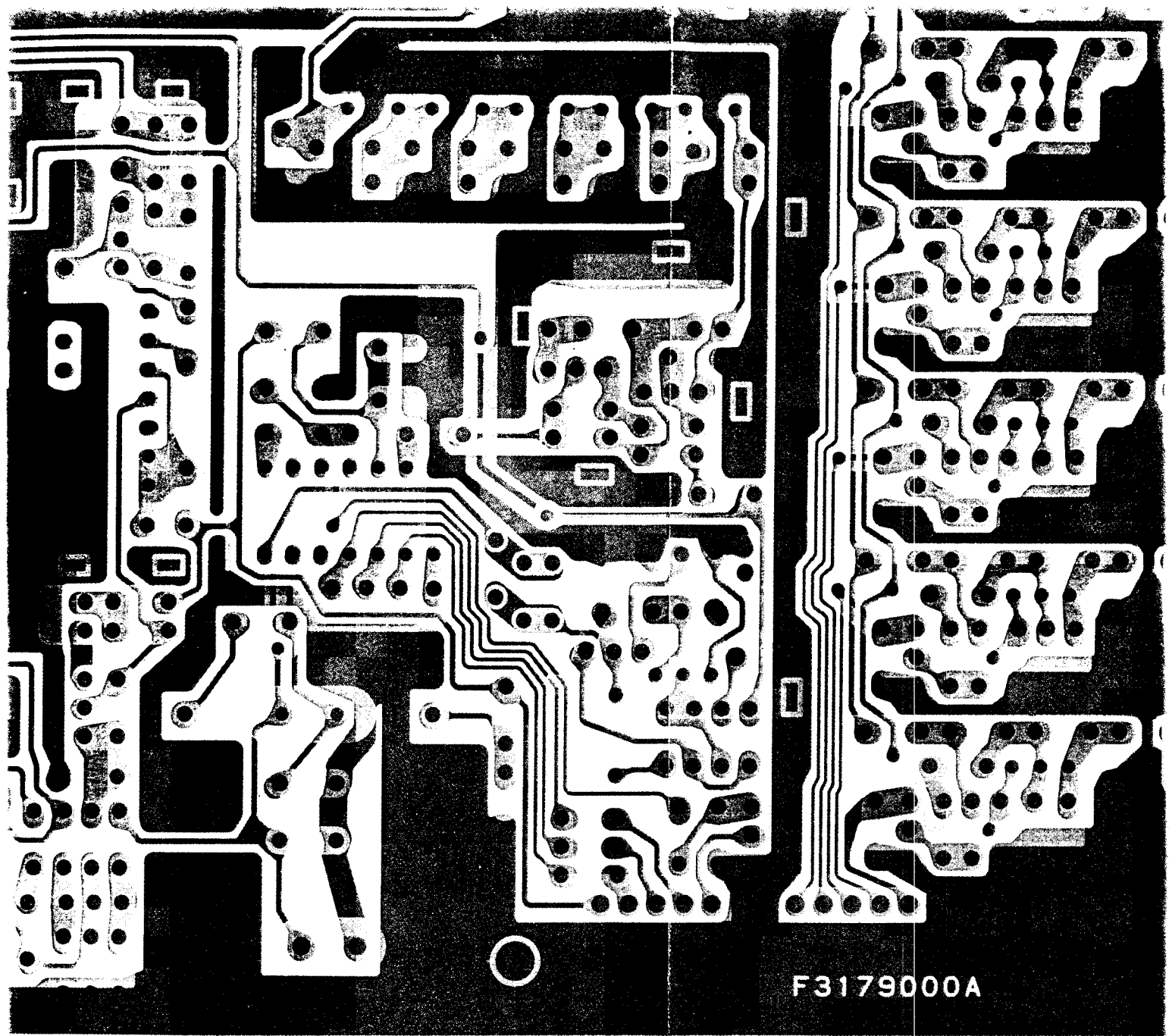




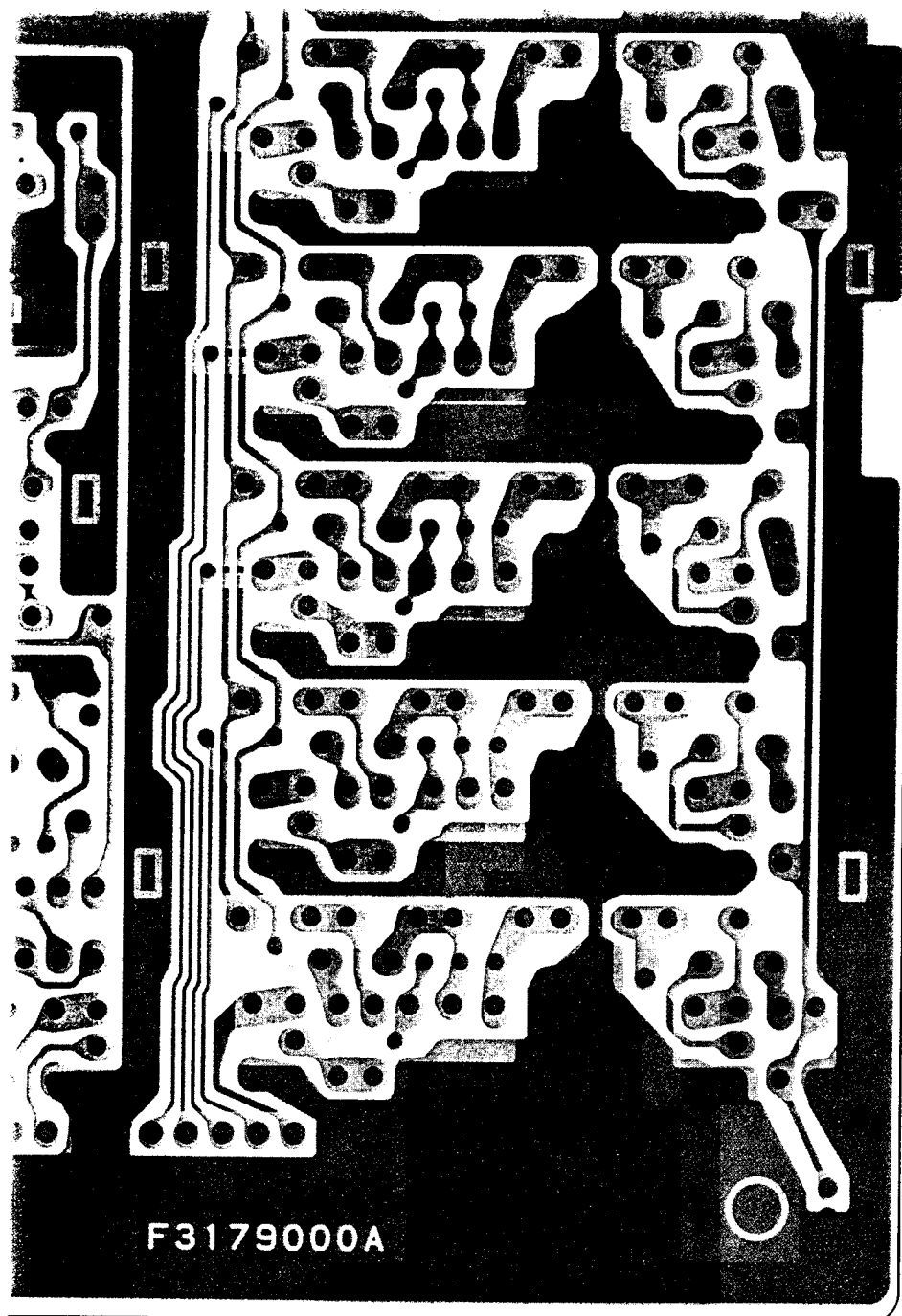
For Service Manuals Contact  
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8 Cherry Tree Rd, Chinnor  
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Email:- enquiries@mauritron.co.uk

SIDE





F3179000A



(“solder” side)

| REF.               | YAESU P/N | DESCRIPTION                              | MFR'S DESIG       | VALUE    | WV  | TOL. | VERS.      |
|--------------------|-----------|------------------------------------------|-------------------|----------|-----|------|------------|
| *** LOCAL UNIT *** |           |                                          |                   |          |     |      |            |
|                    | CA0225001 | P.C.B. W COMP.                           |                   |          |     |      | W/O TCXO-2 |
|                    | CA0225002 | P.C.B. W COMP.                           |                   |          |     |      | W TCXO-2   |
|                    | CP3128001 | P.C.B. W COMP. (W PLL-DDS, CAR-DDS UNIT) |                   |          |     |      | W/O TCXO-2 |
|                    | CP3128002 | P.C.B. W COMP. (W PLL-DDS, CAR-DDS UNIT) |                   |          |     |      | W TCXO-2   |
|                    | F3179000A | P.C.B. W/O COMP.                         |                   |          |     |      |            |
| C 4001             | K28129003 | CERAMIC CAP.                             | EP050X222M-A-B    | 0.0022uF | 16V | X    |            |
| C 4002             | K28179028 | CERAMIC CAP.                             | UP050SL270J-A-B   | 27pF     | 50V | SL   |            |
| C 4003             | K28179032 | CERAMIC CAP.                             | UP050SL560J-A-B   | 56pF     | 50V | SL   |            |
| C 4004             | K28179028 | CERAMIC CAP.                             | UP050SL270J-A-B   | 27pF     | 50V | SL   |            |
| C 4005             | K28129003 | CERAMIC CAP.                             | EP050X222M-A-B    | 0.0022uF | 16V | X    |            |
| C 4006             | K28179021 | CERAMIC CAP.                             | UP050SL3R3K-A-B   | 3.3p     | 50V | SL   |            |
| C 4007             | K28179031 | CERAMIC CAP.                             | UP050SL470J-A-B   | 47pF     | 50V | SL   |            |
| C 4008             | K28129003 | CERAMIC CAP.                             | EP050X222M-A-B    | 0.0022uF | 16V | X    |            |
| C 4009             | K46140005 | AL. ELECTRO. CAP.                        | 25V101M6X11TR5    | 100uF    | 25V |      |            |
| C 4010             | K28129003 | CERAMIC CAP.                             | EP050X222M-A-B    | 0.0022uF | 16V | X    |            |
| C 4011             | K28179017 | CERAMIC CAP.                             | UP050UJ300J-A-B   | 30p      | 50V | UJ   |            |
| C 4012             | K28179091 | CERAMIC CAP.                             | UP050RH150J-A-B   | 15pF     | 50V | RH   |            |
| C 4013             | K28179090 | CERAMIC CAP.                             | UP050RH120J-A-B   | 12pF     | 50V | RH   |            |
| C 4014             | K28179007 | CERAMIC CAP.                             | UP050CH150J-A-B   | 15pF     | 50V | CH   |            |
| C 4015             | K28179005 | CERAMIC CAP.                             | UP050CH2R2K-A-B   | 2.2p     | 50V | CH   |            |
| C 4016             | K28129003 | CERAMIC CAP.                             | EP050X222M-A-B    | 0.0022uF | 16V | X    |            |
| C 4017             | K28129003 | CERAMIC CAP.                             | EP050X222M-A-B    | 0.0022uF | 16V | X    |            |
| C 4018             | K28179016 | CERAMIC CAP.                             | UP050UJ270J-A-B   | 27pF     | 50V | UJ   |            |
| C 4019             | K28179091 | CERAMIC CAP.                             | UP050RH150J-A-B   | 15pF     | 50V | RH   |            |
| C 4020             | K28179090 | CERAMIC CAP.                             | UP050RH120J-A-B   | 12pF     | 50V | RH   |            |
| C 4021             | K28179091 | CERAMIC CAP.                             | UP050RH150J-A-B   | 15pF     | 50V | RH   |            |
| C 4022             | K28129003 | CERAMIC CAP.                             | EP050X222M-A-B    | 0.0022uF | 16V | X    |            |
| C 4023             | K28179005 | CERAMIC CAP.                             | UP050CH2R2K-A-B   | 2.2p     | 50V | CH   |            |
| C 4024             | K28129003 | CERAMIC CAP.                             | EP050X222M-A-B    | 0.0022uF | 16V | X    |            |
| C 4025             | K26171204 | CERAMIC CAP.                             | DD104-979UJ330J50 | 33pF     | 50V | UJ   |            |
| C 4026             | K28179012 | CERAMIC CAP.                             | UP050UJ150J-A-B   | 15pF     | 50V | UJ   |            |
| C 4027             | K28179006 | CERAMIC CAP.                             | UP050CH120J-A-B   | 12pF     | 50V | CH   |            |
| C 4028             | K28179008 | CERAMIC CAP.                             | UP050CH180J-A-B   | 18pF     | 50V | CH   |            |
| C 4029             | K28129003 | CERAMIC CAP.                             | EP050X222M-A-B    | 0.0022uF | 16V | X    |            |
| C 4030             | K28179005 | CERAMIC CAP.                             | UP050CH2R2K-A-B   | 2.2p     | 50V | CH   |            |
| C 4031             | K28129003 | CERAMIC CAP.                             | EP050X222M-A-B    | 0.0022uF | 16V | X    |            |
| C 4032             | K28179012 | CERAMIC CAP.                             | UP050UJ150J-A-B   | 15pF     | 50V | UJ   |            |
| C 4033             | K28179008 | CERAMIC CAP.                             | UP050CH180J-A-B   | 18pF     | 50V | CH   |            |
| C 4034             | K28179007 | CERAMIC CAP.                             | UP050CH150J-A-B   | 15pF     | 50V | CH   |            |
| C 4035             | K28179014 | CERAMIC CAP.                             | UP050UJ200J-A-B   | 20p      | 50V | UJ   |            |
| C 4036             | K28129003 | CERAMIC CAP.                             | EP050X222M-A-B    | 0.0022uF | 16V | X    |            |
| C 4037             | K28179005 | CERAMIC CAP.                             | UP050CH2R2K-A-B   | 2.2p     | 50V | CH   |            |
| C 4038             | K28129003 | CERAMIC CAP.                             | EP050X222M-A-B    | 0.0022uF | 16V | X    |            |
| C 4039             | K28129003 | CERAMIC CAP.                             | EP050X222M-A-B    | 0.0022uF | 16V | X    |            |
| C 4040             | K28179014 | CERAMIC CAP.                             | UP050UJ200J-A-B   | 20p      | 50V | UJ   |            |
| C 4041             | K28179092 | CERAMIC CAP.                             | UP050RH180J-A-B   | 18pF     | 50V | RH   |            |
| C 4042             | K28179091 | CERAMIC CAP.                             | UP050RH150J-A-B   | 15pF     | 50V | RH   |            |
| C 4043             | K26170188 | CERAMIC CAP.                             | DD104-979CH240J50 | 24p      | 50V | CH   |            |
| C 4044             | K28129003 | CERAMIC CAP.                             | EP050X222M-A-B    | 0.0022uF | 16V | X    |            |
| C 4045             | K28179005 | CERAMIC CAP.                             | UP050CH2R2K-A-B   | 2.2p     | 50V | CH   |            |
| C 4046             | K28129003 | CERAMIC CAP.                             | EP050X222M-A-B    | 0.0022uF | 16V | X    |            |
| C 4047             | K56170057 | CAP.                                     | 50F2Z103MTP       | 0.01     | 50V |      |            |
| C 4048             | K50177154 | FILM CAP.                                | 50F2U154M         | 0.15     | 50V |      |            |

# Local Unit

| REF.   | YAESU P/N | DESCRIPTION       | MFGR'S DESIG      | VALUE     | WV  | TOL. | VERS.      |
|--------|-----------|-------------------|-------------------|-----------|-----|------|------------|
| C 4049 | K46140005 | AL. ELECTRO. CAP. | 25V101M6X11TR5    | 100uF     | 25V |      |            |
| C 4050 | K28179024 | CERAMIC CAP.      | UP050SL8R2K-A-B   | 8. 2p     | 50V | SL   |            |
| C 4051 | K28179021 | CERAMIC CAP.      | UP050SL3R3K-A-B   | 3. 3p     | 50V | SL   |            |
| C 4052 | K28129003 | CERAMIC CAP.      | EP050X222M-A-B    | 0. 0022uF | 16V | X    |            |
| C 4053 | K28129003 | CERAMIC CAP.      | EP050X222M-A-B    | 0. 0022uF | 16V | X    |            |
| C 4054 | K28129003 | CERAMIC CAP.      | EP050X222M-A-B    | 0. 0022uF | 16V | X    |            |
| C 4055 | K28129003 | CERAMIC CAP.      | EP050X222M-A-B    | 0. 0022uF | 16V | X    |            |
| C 4056 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0. 01uF   | 16V | Y    |            |
| C 4057 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0. 01uF   | 16V | Y    |            |
| C 4058 | K28129003 | CERAMIC CAP.      | EP050X222M-A-B    | 0. 0022uF | 16V | X    |            |
| C 4059 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0. 01uF   | 16V | Y    |            |
| C 4060 | K28179024 | CERAMIC CAP.      | UP050SL8R2K-A-B   | 8. 2p     | 50V | SL   |            |
| C 4061 | K26170096 | CERAMIC CAP.      | DD104-979SL1R5C50 | 1. 5p     | 50V | SL   |            |
| C 4062 | K26171012 | CERAMIC CAP.      | DD104-979SL200J50 | 20p       | 50V | SL   |            |
| C 4063 | K26171006 | CERAMIC CAP.      | DD104-979SL110J50 | 11p       | 50V | SL   |            |
| C 4064 | K26171008 | CERAMIC CAP.      | DD104-979SL130J50 | 13p       | 50V | SL   |            |
| C 4065 | K26171012 | CERAMIC CAP.      | DD104-979SL200J50 | 20p       | 50V | SL   |            |
| C 4066 | K26171006 | CERAMIC CAP.      | DD104-979SL110J50 | 11p       | 50V | SL   |            |
| C 4067 | K26171010 | CERAMIC CAP.      | DD104-979SL160J50 | 16p       | 50V | SL   |            |
| C 4068 | K26171010 | CERAMIC CAP.      | DD104-979SL160J50 | 16p       | 50V | SL   |            |
| C 4069 | K28179037 | CERAMIC CAP.      | UP050SL5R6K-A-B   | 5. 6p     | 50V | SL   |            |
| C 4070 | K28179024 | CERAMIC CAP.      | UP050SL8R2K-A-B   | 8. 2p     | 50V | SL   |            |
| C 4071 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0. 01uF   | 16V | Y    |            |
| C 4072 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0. 01uF   | 16V | Y    |            |
| C 4073 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0. 01uF   | 16V | Y    |            |
| C 4074 | K26171605 | CERAMIC CAP.      | DD104-979B181K50  | 180pF     | 50V | B    |            |
| C 4075 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0. 01uF   | 16V | Y    |            |
| C 4076 | K46140005 | AL. ELECTRO. CAP. | 25V101M6X11TR5    | 100uF     | 25V |      |            |
| C 4077 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0. 01uF   | 16V | Y    |            |
| C 4078 | K26171208 | CERAMIC CAP.      | DD104-979UJ470J50 | 47pF      | 50V | UJ   | W/O TCXO-2 |
| C 4079 | K26170300 | CERAMIC CAP.      | DD104-979UJ220J50 | 22pF      | 50V | UJ   | W/O TCXO-2 |
| C 4080 | K26171602 | CERAMIC CAP.      | DD104-979B101K50  | 100pF     | 50V | B    |            |
| C 4081 | K26171602 | CERAMIC CAP.      | DD104-979B101K50  | 100pF     | 50V | B    |            |
| C 4082 | K26171602 | CERAMIC CAP.      | DD104-979B101K50  | 100pF     | 50V | B    |            |
| C 4083 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0. 01uF   | 16V | Y    |            |
| C 4084 | K46170017 | AL. ELECTRO. CAP. | 50V010M5X11TR5    | 1uF       | 50V |      |            |
| C 4085 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0. 01uF   | 16V | Y    |            |
| C 4086 | K28179051 | CERAMIC CAP.      | UP050CH4R7K-A-B   | 4. 7p     | 50V | CH   |            |
| C 4087 | K26171602 | CERAMIC CAP.      | DD104-979B101K50  | 100pF     | 50V | B    |            |
| C 4088 | K28179022 | CERAMIC CAP.      | UP050SL4R7K-A-B   | 4. 7p     | 50V | SL   |            |
| C 4089 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0. 01uF   | 16V | Y    |            |
| C 4090 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0. 01uF   | 16V | Y    |            |
| C 4091 | K28179023 | CERAMIC CAP.      | UP050SL6R8K-A-B   | 6. 8p     | 50V | SL   |            |
| C 4092 | K28179031 | CERAMIC CAP.      | UP050SL470J-A-B   | 47pF      | 50V | SL   |            |
| C 4093 | K26171005 | CERAMIC CAP.      | DD104-979SL100D50 | 10pF      | 50V | SL   |            |
| C 4094 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0. 01uF   | 16V | Y    |            |
| C 4095 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0. 01uF   | 16V | Y    |            |
| C 4096 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0. 01uF   | 16V | Y    |            |
| C 4097 | K26171025 | CERAMIC CAP.      | DD104-979SL680J50 | 68pF      | 50V | SL   |            |
| C 4098 | K26171009 | CERAMIC CAP.      | DD104-979SL150J50 | 15pF      | 50V | SL   |            |
| C 4099 | K26171602 | CERAMIC CAP.      | DD104-979B101K50  | 100pF     | 50V | B    |            |
| C 4100 | K28179022 | CERAMIC CAP.      | UP050SL4R7K-A-B   | 4. 7p     | 50V | SL   |            |
| C 4101 | K26171025 | CERAMIC CAP.      | DD104-979SL680J50 | 68pF      | 50V | SL   |            |
| C 4102 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0. 01uF   | 16V | Y    |            |
| C 4103 | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B    | 0. 047uF  | 50V | F    |            |

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|--------|-----------|-------------------|-------------------|----------|-----|------|-------|
| C 4104 | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B    | 0.047uF  | 50V | F    |       |
| C 4105 | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B    | 0.047uF  | 50V | F    |       |
| C 4106 | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B    | 0.047uF  | 50V | F    |       |
| C 4107 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF   | 16V | Y    |       |
| C 4108 | K28129003 | CERAMIC CAP.      | EP050X222M-A-B    | 0.0022uF | 16V | X    |       |
| C 4109 | K26170096 | CERAMIC CAP.      | DD104-979SL1R5C50 | 1.5p     | 50V | SL   |       |
| C 4110 | K26170095 | CERAMIC CAP.      | DD104-979SL010C50 | 1pF      | 50V | SL   |       |
| C 4111 | K26170095 | CERAMIC CAP.      | DD104-979SL010C50 | 1pF      | 50V | SL   |       |
| C 4112 | K28129003 | CERAMIC CAP.      | EP050X222M-A-B    | 0.0022uF | 16V | X    |       |
| C 4113 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF   | 16V | Y    |       |
| C 4114 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF   | 16V | Y    |       |
| C 4115 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF   | 16V | Y    |       |
| C 4116 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF   | 16V | Y    |       |
| C 4117 | K28129003 | CERAMIC CAP.      | EP050X222M-A-B    | 0.0022uF | 16V | X    |       |
| C 4118 | K28129003 | CERAMIC CAP.      | EP050X222M-A-B    | 0.0022uF | 16V | X    |       |
| C 4119 | K26170095 | CERAMIC CAP.      | DD104-979SL010C50 | 1pF      | 50V | SL   |       |
| C 4120 | K26171005 | CERAMIC CAP.      | DD104-979SL100D50 | 10pF     | 50V | SL   |       |
| C 4121 | K28129003 | CERAMIC CAP.      | EP050X222M-A-B    | 0.0022uF | 16V | X    |       |
| C 4122 | K28129003 | CERAMIC CAP.      | EP050X222M-A-B    | 0.0022uF | 16V | X    |       |
| C 4123 | K28129003 | CERAMIC CAP.      | EP050X222M-A-B    | 0.0022uF | 16V | X    |       |
| C 4124 | K28129003 | CERAMIC CAP.      | EP050X222M-A-B    | 0.0022uF | 16V | X    |       |
| C 4125 | K28179020 | CERAMIC CAP.      | UP050SL2R2K-A-B   | 2.2p     | 50V | SL   |       |
| C 4126 | K28129003 | CERAMIC CAP.      | EP050X222M-A-B    | 0.0022uF | 16V | X    |       |
| C 4127 | K26170095 | CERAMIC CAP.      | DD104-979SL010C50 | 1pF      | 50V | SL   |       |
| C 4128 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF   | 16V | Y    |       |
| C 4129 | K46140005 | AL. ELECTRO. CAP. | 25V101M6X11TR5    | 100uF    | 25V |      |       |
| CF4001 | H3900403  | CERAMIC FILTER    | SFT5.57MA         |          |     |      |       |
| D 4001 | G2050013  | DIODE             | 1SV103(TPE4)      |          |     |      |       |
| D 4002 | G2060010  | DIODE             | 1SS110TJ          |          |     |      |       |
| D 4003 | G2050013  | DIODE             | 1SV103(TPE4)      |          |     |      |       |
| D 4004 | G2060010  | DIODE             | 1SS110TJ          |          |     |      |       |
| D 4005 | G2050013  | DIODE             | 1SV103(TPE4)      |          |     |      |       |
| D 4006 | G2060010  | DIODE             | 1SS110TJ          |          |     |      |       |
| D 4007 | G2050013  | DIODE             | 1SV103(TPE4)      |          |     |      |       |
| D 4008 | G2060010  | DIODE             | 1SS110TJ          |          |     |      |       |
| D 4009 | G2050013  | DIODE             | 1SV103(TPE4)      |          |     |      |       |
| D 4010 | G2060010  | DIODE             | 1SS110TJ          |          |     |      |       |
| D 4011 | G2060004  | DIODE             | 1SS270TJ          |          |     |      |       |
| D 4012 | G2060004  | DIODE             | 1SS270TJ          |          |     |      |       |
| J 4001 | P1090255  | CONNECTOR         | TMP-J01X-A2       |          |     |      |       |
| J 4002 | P0090741  | CONNECTOR         | EC1C-22P-2.5DSA   |          |     |      |       |
| J 4003 | P0090741  | CONNECTOR         | EC1C-22P-2.5DSA   |          |     |      |       |
| J 4004 | P1090255  | CONNECTOR         | TMP-J01X-A2       |          |     |      |       |
| JP4001 | T9206044  | WIRE-ASSY         |                   |          |     |      |       |
| L 4001 | L0021409  | COIL              | 0.117U T25-12     |          |     |      |       |
| L 4002 | L0021409  | COIL              | 0.117U T25-12     |          |     |      |       |
| L 4003 | L1790050  | M. RFC            | LAP02TA2R2K       | 2.2uH    |     |      |       |
| L 4004 | L1790058  | M. RFC            | LAP02TA100K       | 10uH     |     |      |       |
| L 4005 | L1790058  | M. RFC            | LAP02TA100K       | 10uH     |     |      |       |
| L 4006 | L1790066  | M. RFC            | LAP02TA470K       | 47uH     |     |      |       |

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# Local Unit

| REF.   | YAESU P/N | DESCRIPTION      | MFGR'S DESIG     | VALUE | WV   | TOL. | VERS. |
|--------|-----------|------------------|------------------|-------|------|------|-------|
| L 4007 | L1790051  | M. RFC           | LAP02TA2R7K      | 2.7u  |      |      |       |
| L 4008 | L1790066  | M. RFC           | LAP02TA470K      | 47uH  |      |      |       |
| L 4009 | L1790052  | M. RFC           | LAP02TA3R3K      | 3.3uH |      |      |       |
| L 4010 | L1790066  | M. RFC           | LAP02TA470K      | 47uH  |      |      |       |
| L 4011 | L1790053  | M. RFC           | LAP02TA3R9K      | 3.9uH |      |      |       |
| L 4012 | L1790066  | M. RFC           | LAP02TA470K      | 47uH  |      |      |       |
| L 4013 | L1790054  | M. RFC           | LAP02TA4R7K      | 4.7uH |      |      |       |
| L 4014 | L1790066  | M. RFC           | LAP02TA470K      | 47uH  |      |      |       |
| L 4015 | L1790055  | M. RFC           | LAP02TA5R6K      | 5.6uH |      |      |       |
| L 4016 | L1790072  | M. RFC           | LAP02TA151K      | 150uH |      |      |       |
| L 4017 | L1790072  | M. RFC           | LAP02TA151K      | 150uH |      |      |       |
| L 4018 | L1790072  | M. RFC           | LAP02TA151K      | 150uH |      |      |       |
| L 4019 | L1790072  | M. RFC           | LAP02TA151K      | 150uH |      |      |       |
| L 4020 | L1790072  | M. RFC           | LAP02TA151K      | 150uH |      |      |       |
| L 4021 | L1790060  | M. RFC           | LAP02TA150K      | 15uH  |      |      |       |
| L 4022 | L1790061  | M. RFC           | LAP02TA180K      | 18uH  |      |      |       |
| L 4023 | L1790058  | M. RFC           | LAP02TA100K      | 10uH  |      |      |       |
|        |           |                  |                  |       |      |      |       |
| Q 4001 | G3305354B | TRANSISTOR       | 2SC535BTZ        |       |      |      |       |
| Q 4002 | G3305354B | TRANSISTOR       | 2SC535BTZ        |       |      |      |       |
| Q 4003 | G3801921B | FET              | 2SK192A-BL       |       |      |      |       |
| Q 4004 | G3050003  | TRANSISTOR       | BA1A4P-T         |       |      |      |       |
| Q 4005 | G3801921B | FET              | 2SK192A-BL       |       |      |      |       |
| Q 4006 | G3050003  | TRANSISTOR       | BA1A4P-T         |       |      |      |       |
| Q 4007 | G3801921B | FET              | 2SK192A-BL       |       |      |      |       |
| Q 4008 | G3050003  | TRANSISTOR       | BA1A4P-T         |       |      |      |       |
| Q 4009 | G3801921B | FET              | 2SK192A-BL       |       |      |      |       |
| Q 4010 | G3050003  | TRANSISTOR       | BA1A4P-T         |       |      |      |       |
| Q 4011 | G3801921B | FET              | 2SK192A-BL       |       |      |      |       |
| Q 4012 | G3050003  | TRANSISTOR       | BA1A4P-T         |       |      |      |       |
| Q 4013 | G3307320B | TRANSISTOR       | 2SC732TMBL       |       |      |      |       |
| Q 4014 | G3801844Y | FET              | 2SK184Y (TPE4)   |       |      |      |       |
| Q 4015 | G3801924G | FET              | 2SK192AGR (TPE4) |       |      |      |       |
| Q 4016 | G3305354B | TRANSISTOR       | 2SC535BTZ        |       |      |      |       |
| Q 4017 | G1090101  | IC               | UPC1037H         |       |      |      |       |
| Q 4018 | G3801924G | FET              | 2SK192AGR (TPE4) |       |      |      |       |
| Q 4019 | G3305354B | TRANSISTOR       | 2SC535BTZ        |       |      |      |       |
| Q 4020 | G1090834  | IC               | CX-7925B         |       |      |      |       |
| Q 4021 | G3304584C | TRANSISTOR       | 2SC458CTZ        |       |      |      |       |
| Q 4022 | G3802414G | FET              | 2SK241GR (TPE4)  |       |      |      |       |
| Q 4023 | G3304584C | TRANSISTOR       | 2SC458CTZ        |       |      |      |       |
| Q 4024 | G3304584C | TRANSISTOR       | 2SC458CTZ        |       |      |      |       |
| Q 4025 | G1091006  | IC               | HD74HC74P        |       |      |      |       |
| Q 4026 | G1090012  | IC               | SN16913P         |       |      |      |       |
| Q 4027 | G3305354B | TRANSISTOR       | 2SC535BTZ        |       |      |      |       |
| Q 4028 | G1090012  | IC               | SN16913P         |       |      |      |       |
| Q 4029 | G3305354B | TRANSISTOR       | 2SC535BTZ        |       |      |      |       |
| Q 4030 | G3801924G | FET              | 2SK192AGR (TPE4) |       |      |      |       |
| Q 4031 | G3305354B | TRANSISTOR       | 2SC535BTZ        |       |      |      |       |
|        |           |                  |                  |       |      |      |       |
| R 4001 | J07225101 | CARBON FILM RES. | RD16TPJ101       | 100   | 1/6W |      |       |
| R 4002 | J07225470 | CARBON FILM RES. | RD16TPJ470       | 47    | 1/6W |      |       |
| R 4003 | J07225104 | CARBON FILM RES. | RD16TPJ104       | 100K  | 1/6W |      |       |
| R 4004 | J07225101 | CARBON FILM RES. | RD16TPJ101       | 100   | 1/6W |      |       |
| R 4005 | J07225471 | CARBON FILM RES. | RD16TPJ471       | 470   | 1/6W |      |       |



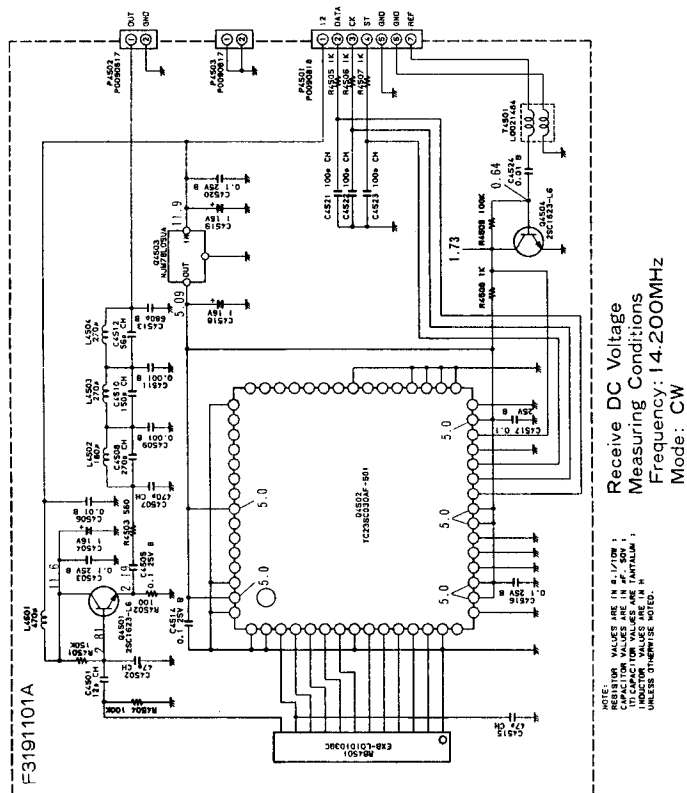
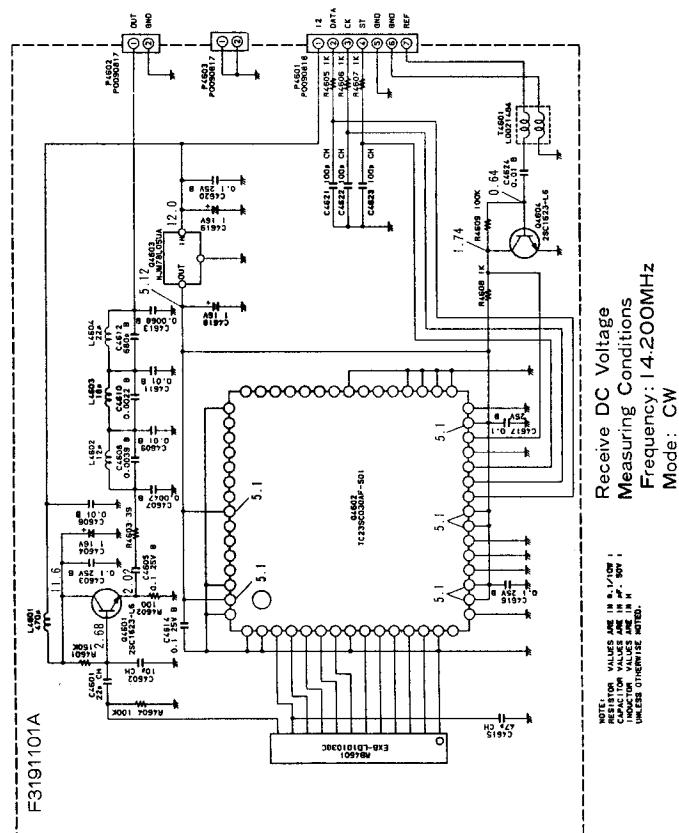
| REF.   | YAESU P/N | DESCRIPTION      | MFGR'S DESIG | VALUE | WV   | TOL. | VERS. |
|--------|-----------|------------------|--------------|-------|------|------|-------|
| R 4006 | J07225472 | CARBON FILM RES. | RD16TPJ472   | 4.7K  | 1/6W |      |       |
| R 4007 | J07225101 | CARBON FILM RES. | RD16TPJ101   | 100   | 1/6W |      |       |
| R 4008 | J07225221 | CARBON FILM RES. | RD16TPJ221   | 220   | 1/6W |      |       |
| R 4009 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 4010 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 4011 | J07225151 | CARBON FILM RES. | RD16TPJ151   | 150   | 1/6W |      |       |
| R 4012 | J07225332 | CARBON FILM RES. | RD16TPJ332   | 3.3K  | 1/6W |      |       |
| R 4013 | J07225221 | CARBON FILM RES. | RD16TPJ221   | 220   | 1/6W |      |       |
| R 4014 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 4015 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 4016 | J07225151 | CARBON FILM RES. | RD16TPJ151   | 150   | 1/6W |      |       |
| R 4017 | J07225332 | CARBON FILM RES. | RD16TPJ332   | 3.3K  | 1/6W |      |       |
| R 4018 | J07225221 | CARBON FILM RES. | RD16TPJ221   | 220   | 1/6W |      |       |
| R 4019 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 4020 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 4021 | J07225151 | CARBON FILM RES. | RD16TPJ151   | 150   | 1/6W |      |       |
| R 4022 | J07225332 | CARBON FILM RES. | RD16TPJ332   | 3.3K  | 1/6W |      |       |
| R 4023 | J07225221 | CARBON FILM RES. | RD16TPJ221   | 220   | 1/6W |      |       |
| R 4024 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 4025 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 4026 | J07225151 | CARBON FILM RES. | RD16TPJ151   | 150   | 1/6W |      |       |
| R 4027 | J07225332 | CARBON FILM RES. | RD16TPJ332   | 3.3K  | 1/6W |      |       |
| R 4028 | J07225221 | CARBON FILM RES. | RD16TPJ221   | 220   | 1/6W |      |       |
| R 4029 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 4030 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 4031 | J07225151 | CARBON FILM RES. | RD16TPJ151   | 150   | 1/6W |      |       |
| R 4032 | J07225332 | CARBON FILM RES. | RD16TPJ332   | 3.3K  | 1/6W |      |       |
| R 4033 | J07225102 | CARBON FILM RES. | RD16TPJ102   | 1K    | 1/6W |      |       |
| R 4034 | J07225152 | CARBON FILM RES. | RD16TPJ152   | 1.5K  | 1/6W |      |       |
| R 4035 | J07225331 | CARBON FILM RES. | RD16TPJ331   | 330   | 1/6W |      |       |
| R 4036 | J07225182 | CARBON FILM RES. | RD16TPJ182   | 1.8K  | 1/6W |      |       |
| R 4037 | J07225681 | CARBON FILM RES. | RD16TPJ681   | 680   | 1/6W |      |       |
| R 4038 | J07225562 | CARBON FILM RES. | RD16TPJ562   | 5.6K  | 1/6W |      |       |
| R 4039 | J07225101 | CARBON FILM RES. | RD16TPJ101   | 100   | 1/6W |      |       |
| R 4040 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 4041 | J07225471 | CARBON FILM RES. | RD16TPJ471   | 470   | 1/6W |      |       |
| R 4042 | J07225101 | CARBON FILM RES. | RD16TPJ101   | 100   | 1/6W |      |       |
| R 4043 | J07225154 | CARBON FILM RES. | RD16TPJ154   | 150K  | 1/6W |      |       |
| R 4044 | J07225101 | CARBON FILM RES. | RD16TPJ101   | 100   | 1/6W |      |       |
| R 4045 | J07225471 | CARBON FILM RES. | RD16TPJ471   | 470   | 1/6W |      |       |
| R 4046 | J07225391 | CARBON FILM RES. | RD16TPJ391   | 390   | 1/6W |      |       |
| R 4047 | J07225331 | CARBON FILM RES. | RD16TPJ331   | 330   | 1/6W |      |       |
| R 4048 | J07225471 | CARBON FILM RES. | RD16TPJ471   | 470   | 1/6W |      |       |
| R 4049 | J07225154 | CARBON FILM RES. | RD16TPJ154   | 150K  | 1/6W |      |       |
| R 4050 | J07225102 | CARBON FILM RES. | RD16TPJ102   | 1K    | 1/6W |      |       |
| R 4052 | J07225101 | CARBON FILM RES. | RD16TPJ101   | 100   | 1/6W |      |       |
| R 4053 | J07225221 | CARBON FILM RES. | RD16TPJ221   | 220   | 1/6W |      |       |
| R 4054 | J07225221 | CARBON FILM RES. | RD16TPJ221   | 220   | 1/6W |      |       |
| R 4055 | J07225221 | CARBON FILM RES. | RD16TPJ221   | 220   | 1/6W |      |       |
| R 4056 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 4057 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 4058 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 4059 | J07225101 | CARBON FILM RES. | RD16TPJ101   | 100   | 1/6W |      |       |
| R 4060 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 4061 | J07225331 | CARBON FILM RES. | RD16TPJ331   | 330   | 1/6W |      |       |

# Local Unit

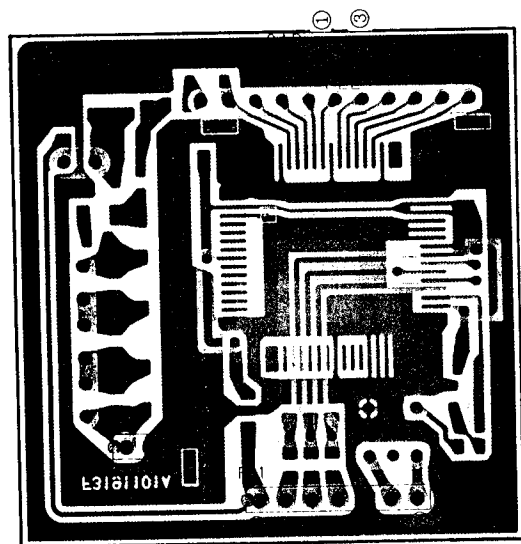
| REF.   | YAESU P/N | DESCRIPTION      | MFR'S DESIG      | VALUE | WV   | TOL. | VERS.      |
|--------|-----------|------------------|------------------|-------|------|------|------------|
| R 4062 | J07225331 | CARBON FILM RES. | RD16TPJ331       | 330   | 1/6W |      |            |
| R 4063 | J07225103 | CARBON FILM RES. | RD16TPJ103       | 10K   | 1/6W |      |            |
| R 4064 | J07225273 | CARBON FILM RES. | RD16TPJ273       | 27K   | 1/6W |      |            |
| R 4065 | J07225471 | CARBON FILM RES. | RD16TPJ471       | 470   | 1/6W |      |            |
| R 4066 | J07225101 | CARBON FILM RES. | RD16TPJ101       | 100   | 1/6W |      |            |
| R 4067 | J07225220 | CARBON FILM RES. | RD16TPJ220       | 22    | 1/6W |      |            |
| R 4068 | J07225104 | CARBON FILM RES. | RD16TPJ104       | 100K  | 1/6W |      |            |
| R 4069 | J07225102 | CARBON FILM RES. | RD16TPJ102       | 1K    | 1/6W |      |            |
| R 4070 | J07225472 | CARBON FILM RES. | RD16TPJ472       | 4.7K  | 1/6W |      |            |
| R 4071 | J07225681 | CARBON FILM RES. | RD16TPJ681       | 680   | 1/6W |      |            |
| R 4072 | J07225101 | CARBON FILM RES. | RD16TPJ101       | 100   | 1/6W |      |            |
| R 4073 | J07225101 | CARBON FILM RES. | RD16TPJ101       | 100   | 1/6W |      |            |
| R 4074 | J07225471 | CARBON FILM RES. | RD16TPJ471       | 470   | 1/6W |      |            |
| R 4075 | J07225470 | CARBON FILM RES. | RD16TPJ470       | 47    | 1/6W |      |            |
| R 4076 | J07225333 | CARBON FILM RES. | RD16TPJ333       | 33K   | 1/6W |      |            |
| R 4077 | J07225103 | CARBON FILM RES. | RD16TPJ103       | 10K   | 1/6W |      |            |
| R 4078 | J07225101 | CARBON FILM RES. | RD16TPJ101       | 100   | 1/6W |      |            |
| R 4079 | J07225101 | CARBON FILM RES. | RD16TPJ101       | 100   | 1/6W |      |            |
| R 4080 | J07225471 | CARBON FILM RES. | RD16TPJ471       | 470   | 1/6W |      |            |
| R 4081 | J07225154 | CARBON FILM RES. | RD16TPJ154       | 150K  | 1/6W |      |            |
| R 4082 | J07225101 | CARBON FILM RES. | RD16TPJ101       | 100   | 1/6W |      |            |
| R 4083 | J07225221 | CARBON FILM RES. | RD16TPJ221       | 220   | 1/6W |      |            |
| R 4084 | J07225473 | CARBON FILM RES. | RD16TPJ473       | 47K   | 1/6W |      |            |
| R 4085 | J07225101 | CARBON FILM RES. | RD16TPJ101       | 100   | 1/6W |      |            |
| R 4086 | J07225103 | CARBON FILM RES. | RD16TPJ103       | 10K   | 1/6W |      |            |
| R 4087 | J07225333 | CARBON FILM RES. | RD16TPJ333       | 33K   | 1/6W |      |            |
| R 4088 | J07225470 | CARBON FILM RES. | RD16TPJ470       | 47    | 1/6W |      |            |
| R 4089 | J07225471 | CARBON FILM RES. | RD16TPJ471       | 470   | 1/6W |      |            |
| R 4090 | J07225470 | CARBON FILM RES. | RD16TPJ470       | 47    | 1/6W |      |            |
| R 4091 | J07225470 | CARBON FILM RES. | RD16TPJ470       | 47    | 1/6W |      |            |
| R 4092 | J07225101 | CARBON FILM RES. | RD16TPJ101       | 100   | 1/6W |      |            |
| T 4001 | L0021401  | COIL             | 0.28U            |       |      |      |            |
| T 4002 | L0021400  | COIL             | 0.36U            |       |      |      |            |
| T 4003 | L0021399  | COIL             | 0.42U            |       |      |      |            |
| T 4004 | L0021599  | COIL             | 50.0M            |       |      |      |            |
| T 4005 | L0021599  | COIL             | 50.0M            |       |      |      |            |
| T 4006 | L0022078  | COIL             |                  |       |      |      |            |
| T 4007 | L0022079  | COIL             |                  |       |      |      |            |
| T 4008 | L0022080  | COIL             |                  |       |      |      |            |
| T 4009 | L0022081  | COIL             |                  |       |      |      |            |
| T 4010 | L0022082  | COIL             |                  |       |      |      |            |
| T 4011 | L0021295  | COIL             | 10.5M            |       |      |      |            |
| T 4012 | L0021295  | COIL             | 10.5M            |       |      |      |            |
| T 4013 | L0021941  | COIL             | 40.96M R12-J771A |       |      |      |            |
| T 4014 | L0021511  | 07 RF TRANS      | 42.0M            |       |      |      |            |
| T 4015 | L0021511  | 07 RF TRANS      | 42.0M            |       |      |      |            |
| T 4016 | L0021511  | 07 RF TRANS      | 42.0M            |       |      |      |            |
| T 4017 | L0021560  | COIL             | 36.3M            |       |      |      |            |
| T 4018 | L0021560  | COIL             | 36.3M            |       |      |      |            |
| T 4019 | L0021560  | COIL             | 36.3M            |       |      |      |            |
| TC4001 | K91000085 | TRIMMER CAP.     | VCT51C122        | 10pF  |      |      | W/O TCXO-2 |
| TP4001 | Q5000050  | TP-K             | IPS-1136         |       |      |      |            |

For Service Manuals Contact  
**MAURITRON TECHNICAL SERVICES**  
 8 Cherry Tree Rd, Chinnor  
 Oxon OX9 4QY  
 Tel: 01844-351694 Fax: 01844-352554  
 Email: enquiries@mauritron.co.uk

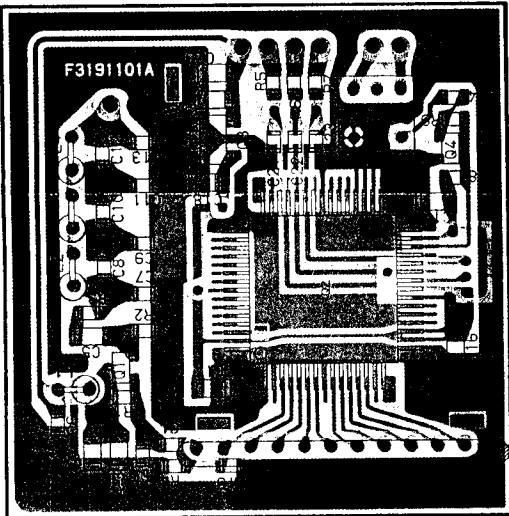
| REF.   | YAESU P/N | DESCRIPTION           | MFGR'S DESIG | VALUE      | WV | TOL. | VERS.      |
|--------|-----------|-----------------------|--------------|------------|----|------|------------|
| TP4002 | Q5000050  | TP-K                  | IPS-1136     |            |    |      |            |
| TP4003 | Q5000050  | TP-K                  | IPS-1136     |            |    |      |            |
| TP4004 | Q5000050  | TP-K                  | IPS-1136     |            |    |      |            |
| X 4001 | H0102990  | XTAL                  |              | 10.48576MH |    |      | W/O TCXO-2 |
| X 4001 | H9500160  | XTAL                  | H-GF1041     |            |    |      | W TCXO-2   |
| X 4002 | H0102991  | XTAL                  |              | 36.269MHZ  |    |      |            |
|        | R7067500  | MODE SWITCH INSULATOR |              |            |    |      |            |
|        | R0136960  | FITTING R             |              |            |    |      |            |
|        | R0136970  | FITTING L             |              |            |    |      |            |
|        | R0128050  | SHIELD CASE           |              |            |    |      |            |
|        | R0128070  | SHIELD CASE(2 pcs)    |              |            |    |      |            |
|        | R0137140  | SHIELD CASE           |              |            |    |      |            |
|        | R0137050  | SHIELD CASE           |              |            |    |      |            |
|        | R0137060  | SHIELD COVER          |              |            |    |      |            |
|        | R7076390  | XTAL SPACER           |              |            |    |      |            |



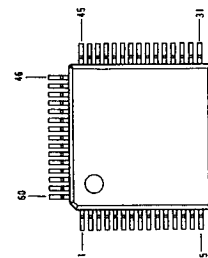
**For Service Manuals Contact**  
**MAURITRON TECHNICAL SERVICES**  
8 Cherry Tree Rd, Chinnor  
Oxon OX9 4QY  
**Tel:- 01844-351694 Fax:- 01844-352554**  
**Email:- enquiries@mauritron.co.uk**



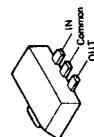
("component" side)



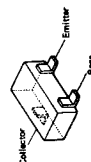
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TC23SC030AF-501  
(Q4502, 4602)



NJM78L05UA (05)  
(Q4503, 4603)



2SC1623(L5)  
(Q4501, 4504, 4601, 4604)

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MAURITRON TECHNICAL SERVICES  
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Tel: 01844-351694 Fax: 01844-352554  
Email: enquiries@mauriton.co.uk

# PLL DDS Unit

| REF.                 | YAESU P/N | DESCRIPTION        | MFGR'S DESIG     | VALUE   | WV    | TOL. | VERS. |
|----------------------|-----------|--------------------|------------------|---------|-------|------|-------|
| *** PLL DDS UNIT *** |           |                    |                  |         |       |      |       |
|                      | CA0420001 | P.C.B. W COMP.     |                  |         |       |      |       |
|                      | F3191101A | P.C.B. W/O COMP.   |                  |         |       |      |       |
| C 4501               | K22170213 | CHIP CAP.          | GRM40CH120J50PT  | 12pF    | 50V   | CH   |       |
| C 4502               | K22170227 | CHIP CAP.          | GRM40CH470J50PT  | 47pF    | 50V   | CH   |       |
| C 4503               | K22141809 | CHIP CAP.          | GRM42-6B104M25PT | 0.1uF   | 25V   | B    |       |
| C 4504               | K78120009 | TANTALUM CHIP CAP. | TESVA1C105M1-8R  | 1uF     | 16V   |      |       |
| C 4505               | K22141809 | CHIP CAP.          | GRM42-6B104M25PT | 0.1uF   | 25V   | B    |       |
| C 4506               | K22170817 | CHIP CAP.          | GRM40B103M50PT   | 0.01uF  | 50V   | B    |       |
| C 4507               | K22170251 | CHIP CAP.          | GRM40CH471J50PT  | 470pF   | 50V   | CH   |       |
| C 4508               | K22170245 | CHIP CAP.          | GRM40CH271J50PT  | 270pF   | 50V   | CH   |       |
| C 4509               | K22170805 | CHIP CAP.          | GRM40B102M50PT   | 0.001uF | 50V   | B    |       |
| C 4510               | K22170239 | CHIP CAP.          | GRM40CH151J50PT  | 150pF   | 50V   | CH   |       |
| C 4511               | K22170805 | CHIP CAP.          | GRM40B102M50PT   | 0.001uF | 50V   | B    |       |
| C 4512               | K22170229 | CHIP CAP.          | GRM40CH560J50PT  | 56pF    | 50V   | CH   |       |
| C 4513               | K22170803 | CHIP CAP.          | GRM40B681M50PT   | 680pF   | 50V   | B    |       |
| C 4514               | K22141809 | CHIP CAP.          | GRM42-6B104M25PT | 0.1uF   | 25V   | B    |       |
| C 4515               | K22170227 | CHIP CAP.          | GRM40CH470J50PT  | 47pF    | 50V   | CH   |       |
| C 4516               | K22141809 | CHIP CAP.          | GRM42-6B104M25PT | 0.1uF   | 25V   | B    |       |
| C 4517               | K22141809 | CHIP CAP.          | GRM42-6B104M25PT | 0.1uF   | 25V   | B    |       |
| C 4518               | K78120009 | TANTALUM CHIP CAP. | TESVA1C105M1-8R  | 1uF     | 16V   |      |       |
| C 4519               | K78120009 | TANTALUM CHIP CAP. | TESVA1C105M1-8R  | 1uF     | 16V   |      |       |
| C 4520               | K22141809 | CHIP CAP.          | GRM42-6B104M25PT | 0.1uF   | 25V   | B    |       |
| C 4521               | K22170235 | CHIP CAP.          | GRM40CH101J50PT  | 100pF   | 50V   | CH   |       |
| C 4522               | K22170235 | CHIP CAP.          | GRM40CH101J50PT  | 100pF   | 50V   | CH   |       |
| C 4523               | K22170235 | CHIP CAP.          | GRM40CH101J50PT  | 100pF   | 50V   | CH   |       |
| C 4524               | K22170817 | CHIP CAP.          | GRM40B103M50PT   | 0.01uF  | 50V   | B    |       |
| L 4501               | L1190226  | M. RFC             | LAL03NA471K      | 470uH   |       |      |       |
| L 4502               | L1190221  | M. RFC             | LAL03NA181K      | 180uH   |       |      |       |
| L 4503               | L1190223  | M. RFC             | LAL03NA271K      | 270uH   |       |      |       |
| L 4504               | L1190223  | M. RFC             | LAL03NA271K      | 270uH   |       |      |       |
| P 4501               | P0090818  | CONNECTOR          | SB07P-HVQ-34     |         |       |      |       |
| P 4502               | P0090817  | CONNECTOR          | SB02P-HVQ-34     |         |       |      |       |
| P 4503               | P0090817  | CONNECTOR          | SB02P-HVQ-34     |         |       |      |       |
| Q 4501               | G3316237F | TRANSISTOR         | 2SC1623-T2BL6    |         |       |      |       |
| Q 4502               | G1090970  | IC                 | TC23SC030AF-501  |         |       |      |       |
| Q 4503               | G1090887  | IC                 | NJM78L05UA       |         |       |      |       |
| Q 4504               | G3316237F | TRANSISTOR         | 2SC1623-T2BL6    |         |       |      |       |
| R 4501               | J24205154 | CHIP RES.          | RMC1/10T 154J    | 150K    | 1/10W |      |       |
| R 4502               | J24205101 | CHIP RES.          | RMC1/10T 101J    | 100     | 1/10W |      |       |
| R 4503               | J24205561 | CHIP RES.          | RMC1/10T 561J    | 560     | 1/10W |      |       |
| R 4504               | J24205104 | CHIP RES.          | RMC1/10T 104J    | 100K    | 1/10W |      |       |
| R 4505               | J24205102 | CHIP RES.          | RMC1/10T 102J    | 1K      | 1/10W |      |       |
| R 4506               | J24205102 | CHIP RES.          | RMC1/10T 102J    | 1K      | 1/10W |      |       |
| R 4507               | J24205102 | CHIP RES.          | RMC1/10T 102J    | 1K      | 1/10W |      |       |
| R 4508               | J24205102 | CHIP RES.          | RMC1/10T 102J    | 1K      | 1/10W |      |       |
| R 4509               | J24205104 | CHIP RES.          | RMC1/10T 104J    | 100K    | 1/10W |      |       |

# PLL DDS Unit

| REF.   | YAESU P/N | DESCRIPTION  | MFGR'S DESIG  | VALUE      | WV | TOL. | VERS. |
|--------|-----------|--------------|---------------|------------|----|------|-------|
| RB4501 | J40900171 | BLOCK RES.   | EXB-LD10103GC | EXB-LD1010 |    |      |       |
| T 4501 | L0021484  | COIL         |               |            |    |      |       |
|        | R0137010  | SHIELD PLATE |               |            |    |      |       |

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# Carrier DDS Unit

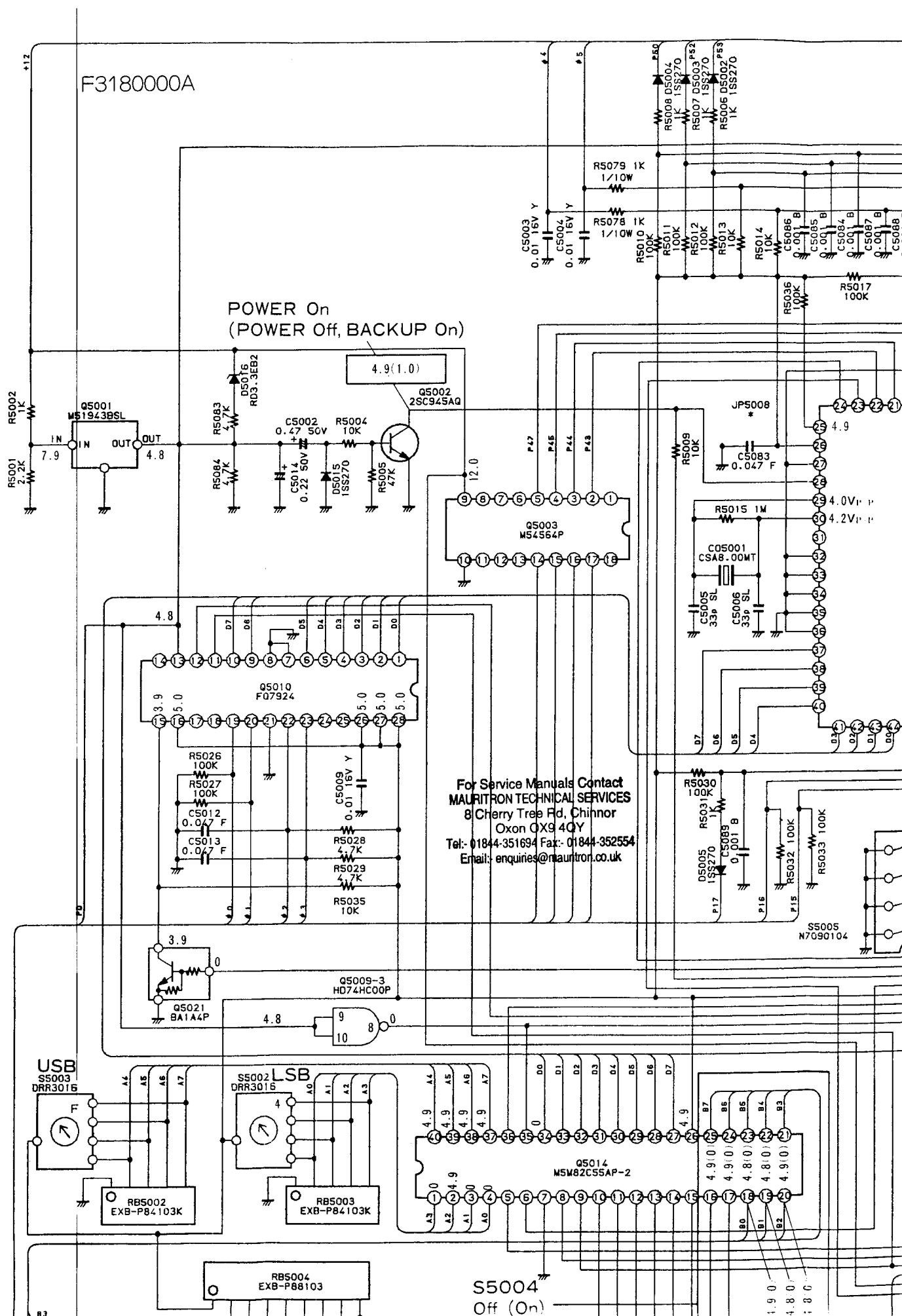
| REF.                 | YAESU P/N | DESCRIPTION        | MFGR'S DESIG     | VALUE    | WV    | TOL. | VERS. |
|----------------------|-----------|--------------------|------------------|----------|-------|------|-------|
| *** CAR DDS UNIT *** |           |                    |                  |          |       |      |       |
|                      | CA0425001 | P.C.B. W COMP.     |                  |          |       |      |       |
|                      | F3191101A | P.C.B. W/O COMP.   |                  |          |       |      |       |
| C 4601               | K22170219 | CHIP CAP.          | GRM40CH220J50PT  | 22pF     | 50V   | CH   |       |
| C 4602               | K22170211 | CHIP CAP.          | GRM40CH100D50PT  | 10pF     | 50V   | CH   |       |
| C 4603               | K22141809 | CHIP CAP.          | GRM42-6B104M25PT | 0.1uF    | 25V   | B    |       |
| C 4604               | K78120009 | TANTALUM CHIP CAP. | TESVA1C105M1-8R  | 1uF      | 16V   |      |       |
| C 4605               | K22141809 | CHIP CAP.          | GRM42-6B104M25PT | 0.1uF    | 25V   | B    |       |
| C 4606               | K22170817 | CHIP CAP.          | GRM40B103M50PT   | 0.01uF   | 50V   | B    |       |
| C 4607               | K22170813 | CHIP CAP.          | GRM40B472M50PT   | 0.0047uF | 50V   | B    |       |
| C 4608               | K22170812 | CHIP CAP.          | GRM40B392M50PT   | 0.0039   | 50V   | B    |       |
| C 4609               | K22170817 | CHIP CAP.          | GRM40B103M50PT   | 0.01uF   | 50V   | B    |       |
| C 4610               | K22170809 | CHIP CAP.          | GRM40B222M50PT   | 0.0022uF | 50V   | B    |       |
| C 4611               | K22170817 | CHIP CAP.          | GRM40B103M50PT   | 0.01uF   | 50V   | B    |       |
| C 4612               | K22170803 | CHIP CAP.          | GRM40B681M50PT   | 680pF    | 50V   | B    |       |
| C 4613               | K22170815 | CHIP CAP.          | GRM40B682M50PT   | 0.0068uF | 50V   | B    |       |
| C 4614               | K22141809 | CHIP CAP.          | GRM42-6B104M25PT | 0.1uF    | 25V   | B    |       |
| C 4615               | K22170227 | CHIP CAP.          | GRM40CH470J50PT  | 47pF     | 50V   | CH   |       |
| C 4616               | K22141809 | CHIP CAP.          | GRM42-6B104M25PT | 0.1uF    | 25V   | B    |       |
| C 4617               | K22141809 | CHIP CAP.          | GRM42-6B104M25PT | 0.1uF    | 25V   | B    |       |
| C 4618               | K78120009 | TANTALUM CHIP CAP. | TESVA1C105M1-8R  | 1uF      | 16V   |      |       |
| C 4619               | K78120009 | TANTALUM CHIP CAP. | TESVA1C105M1-8R  | 1uF      | 16V   |      |       |
| C 4620               | K22141809 | CHIP CAP.          | GRM42-6B104M25PT | 0.1uF    | 25V   | B    |       |
| C 4621               | K22170235 | CHIP CAP.          | GRM40CH101J50PT  | 100pF    | 50V   | CH   |       |
| C 4622               | K22170235 | CHIP CAP.          | GRM40CH101J50PT  | 100pF    | 50V   | CH   |       |
| C 4623               | K22170235 | CHIP CAP.          | GRM40CH101J50PT  | 100pF    | 50V   | CH   |       |
| C 4624               | K22170817 | CHIP CAP.          | GRM40B103M50PT   | 0.01uF   | 50V   | B    |       |
| L 4601               | L1190226  | M. RFC             | LAL03NA471K      | 470uH    |       |      |       |
| L 4602               | L1190207  | M. RFC             | LAL03NA120K      | 12uH     |       |      |       |
| L 4603               | L1190209  | M. RFC             | LAL03NA180K      | 18uH     |       |      |       |
| L 4604               | L1190210  | M. RFC             | LAL03NA220K      | 22uH     |       |      |       |
| P 4601               | P0090818  | CONNECTOR          | SB07P-HVQ-34     |          |       |      |       |
| P 4602               | P0090817  | CONNECTOR          | SB02P-HVQ-34     |          |       |      |       |
| P 4603               | P0090817  | CONNECTOR          | SB02P-HVQ-34     |          |       |      |       |
| Q 4601               | G3316237F | TRANSISTOR         | 2SC1623-T2BL6    |          |       |      |       |
| Q 4602               | G1090970  | IC                 | TC23SC030AF-501  |          |       |      |       |
| Q 4603               | G1090887  | IC                 | NJM78L05UA       |          |       |      |       |
| Q 4604               | G3316237F | TRANSISTOR         | 2SC1623-T2BL6    |          |       |      |       |
| R 4601               | J24205154 | CHIP RES.          | RMC1/10T 154J    | 150K     | 1/10W |      |       |
| R 4602               | J24205101 | CHIP RES.          | RMC1/10T 101J    | 100      | 1/10W |      |       |
| R 4603               | J24205390 | CHIP RES.          | RMC1/10T 390J    | 39       | 1/10W |      |       |
| R 4604               | J24205104 | CHIP RES.          | RMC1/10T 104J    | 100K     | 1/10W |      |       |
| R 4605               | J24205102 | CHIP RES.          | RMC1/10T 102J    | 1K       | 1/10W |      |       |
| R 4606               | J24205102 | CHIP RES.          | RMC1/10T 102J    | 1K       | 1/10W |      |       |
| R 4607               | J24205102 | CHIP RES.          | RMC1/10T 102J    | 1K       | 1/10W |      |       |
| R 4608               | J24205102 | CHIP RES.          | RMC1/10T 102J    | 1K       | 1/10W |      |       |
| R 4609               | J24205104 | CHIP RES.          | RMC1/10T 104J    | 100K     | 1/10W |      |       |

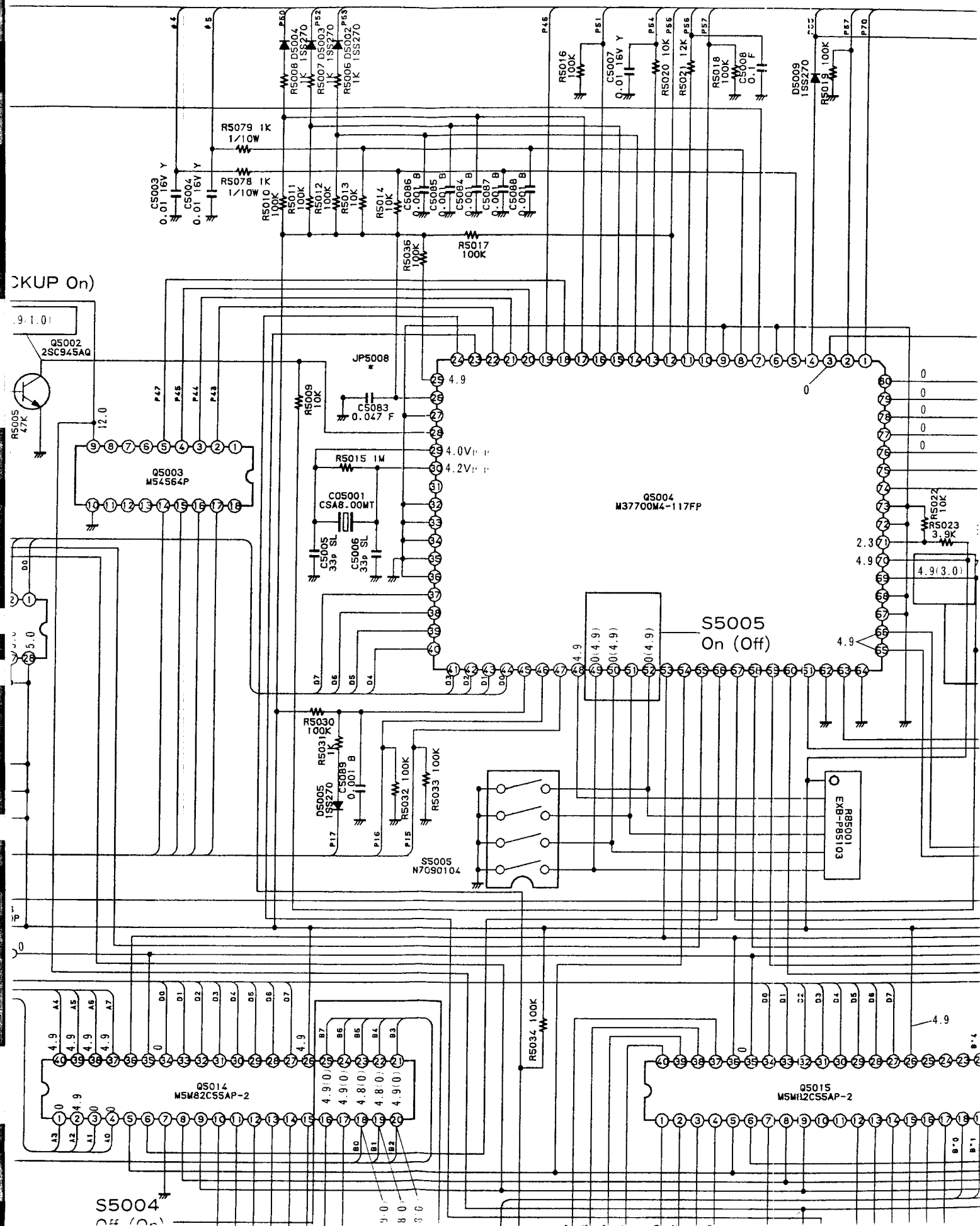


# Carrier DDS Unit

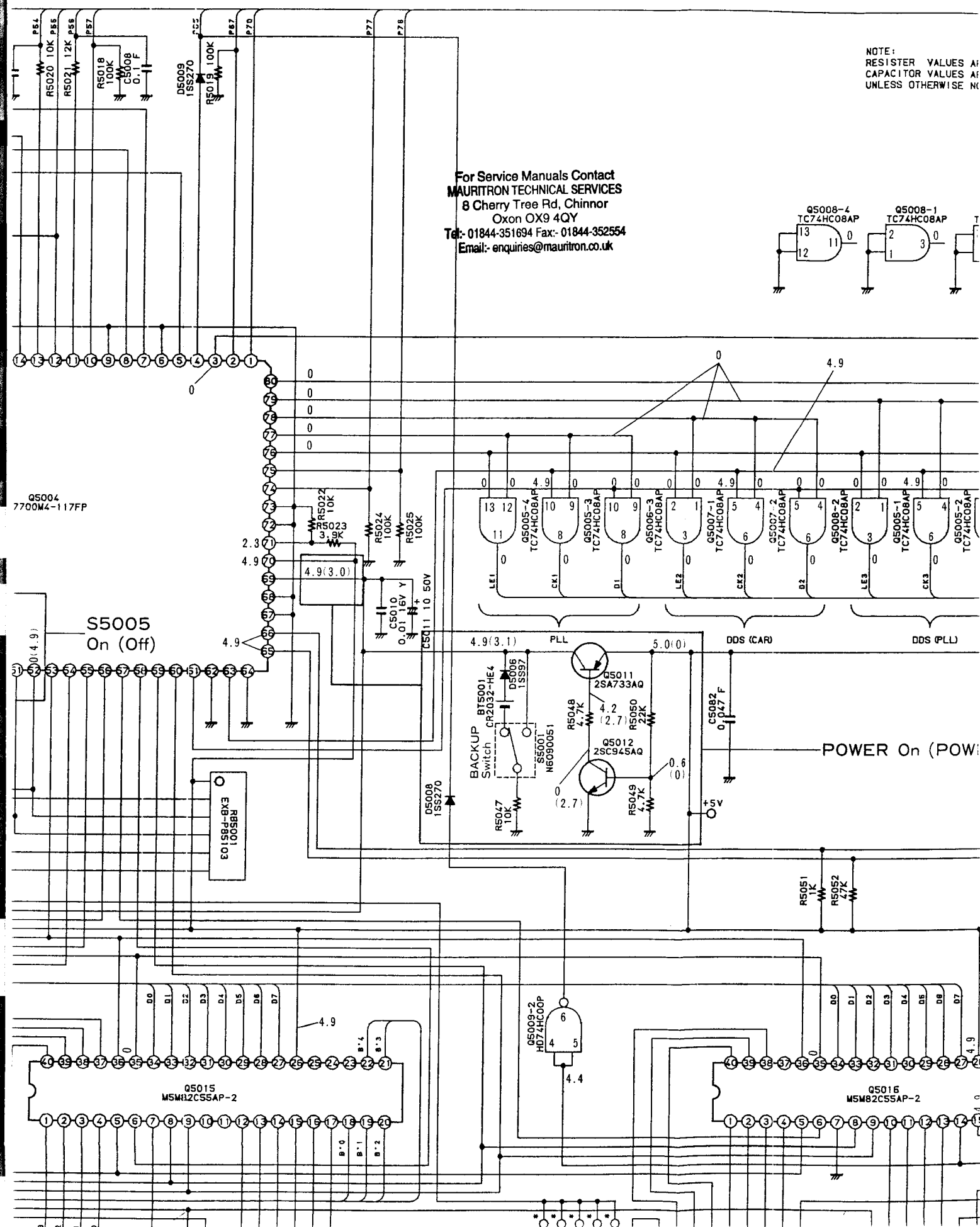
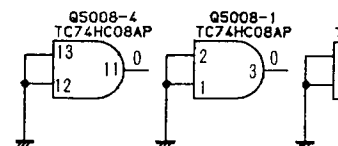
| REF.   | YAESU P/N | DESCRIPTION  | MFGR'S DESIG  | VALUE      | WV | TOL. | VERS. |
|--------|-----------|--------------|---------------|------------|----|------|-------|
| RB4601 | J40900171 | BLOCK RES.   | EXB-LD10103GC | EXB-LD1010 |    |      |       |
| T 4601 | L0021484  | COIL         |               |            |    |      |       |
|        | R0137010  | SHIELD PLATE |               |            |    |      |       |

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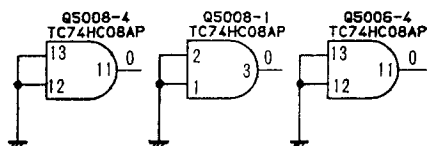


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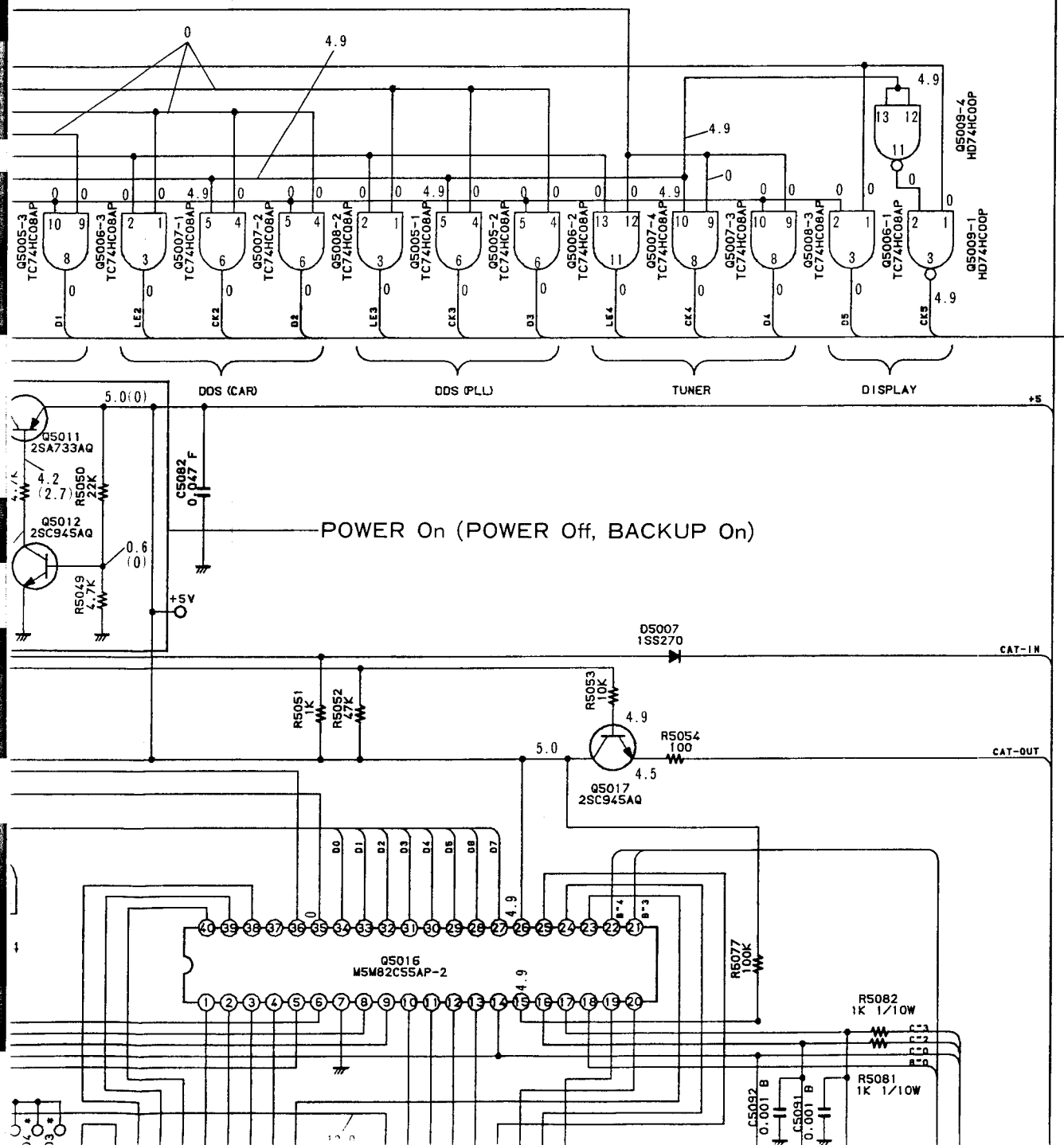


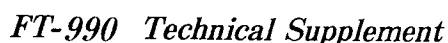
## Control (CNTL) Unit

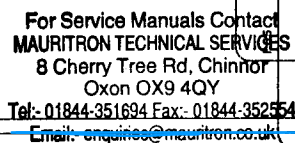
NOTE:  
RESISTOR VALUES ARE IN  $\Omega$ , 1/GW ;  
CAPACITOR VALUES ARE IN  $\mu$ F, 50V ;  
UNLESS OTHERWISE NOTED.



Measuring Condition  
CAT Jack Open

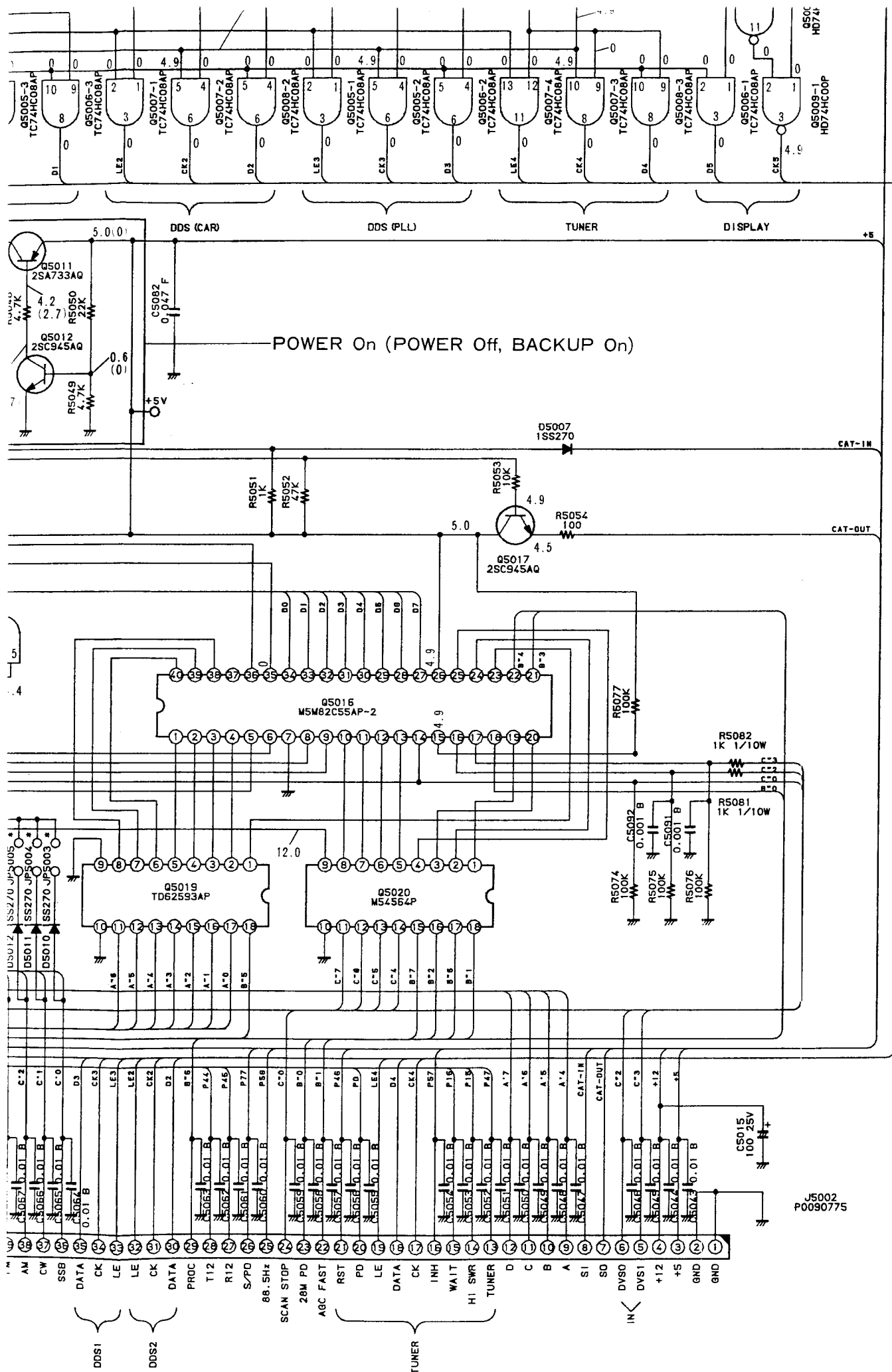




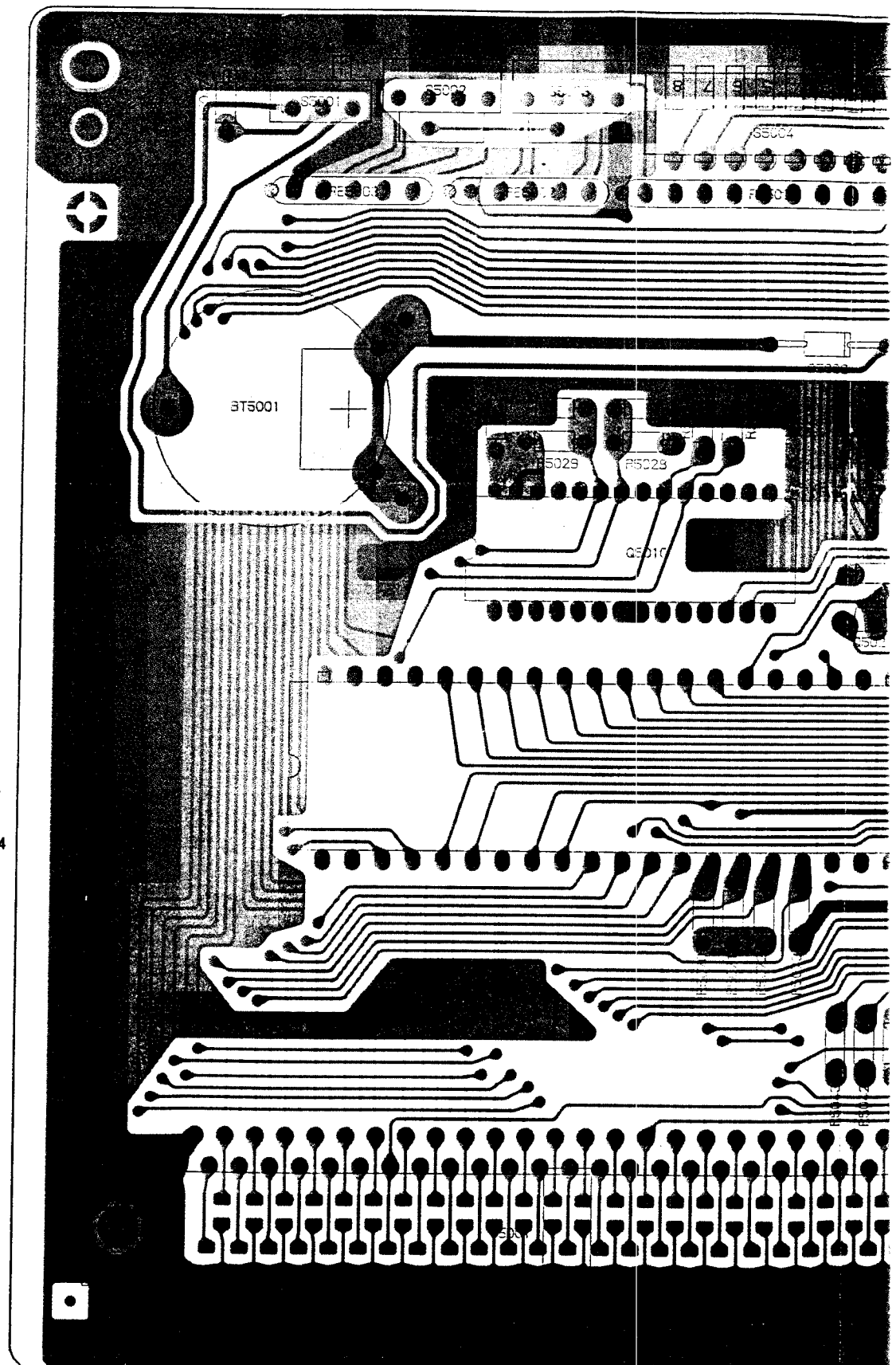






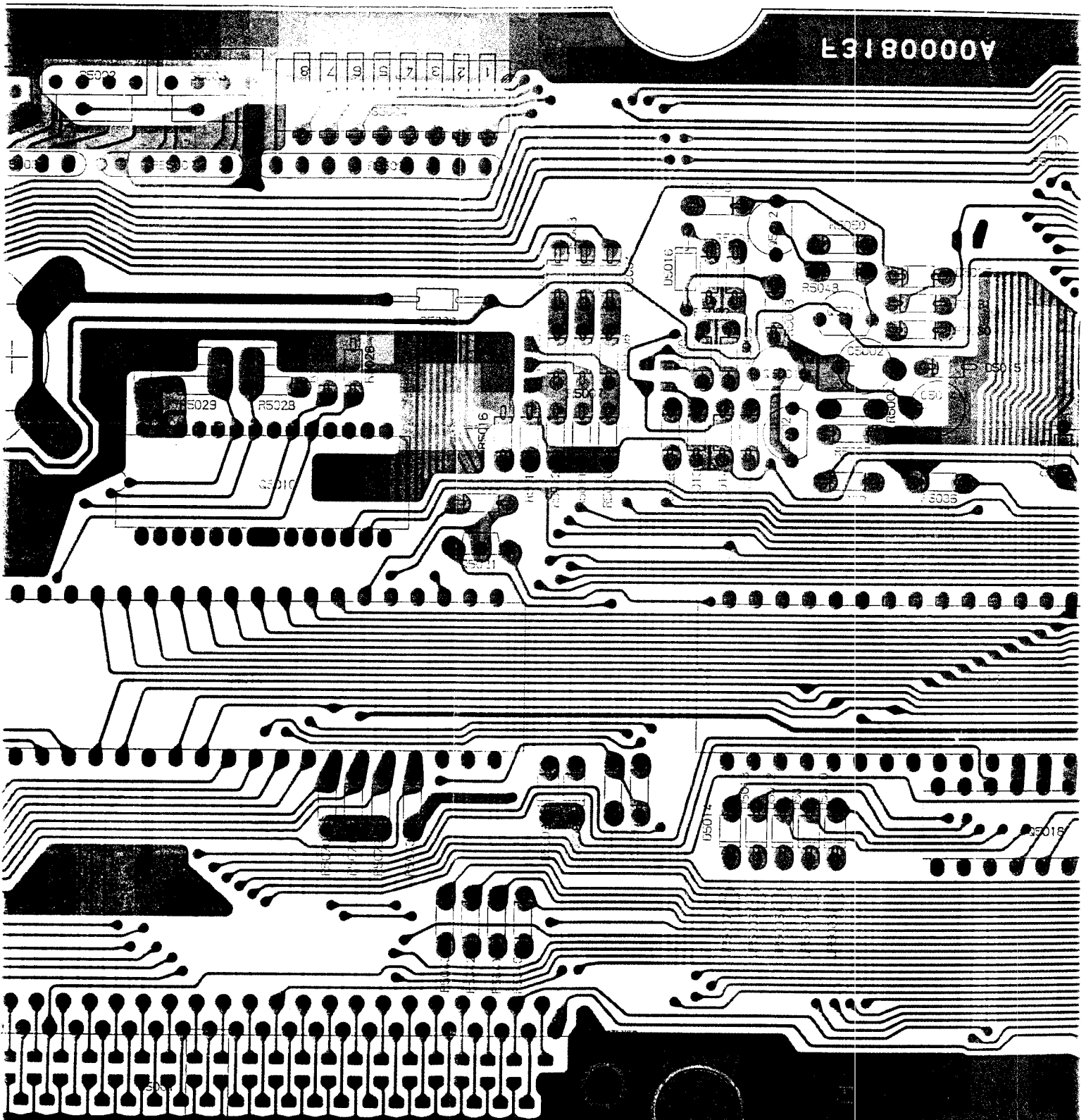


CONTROL (CNTL) UNIT



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Email:- [enquiries@mauritron.co.uk](mailto:enquiries@mauritron.co.uk)

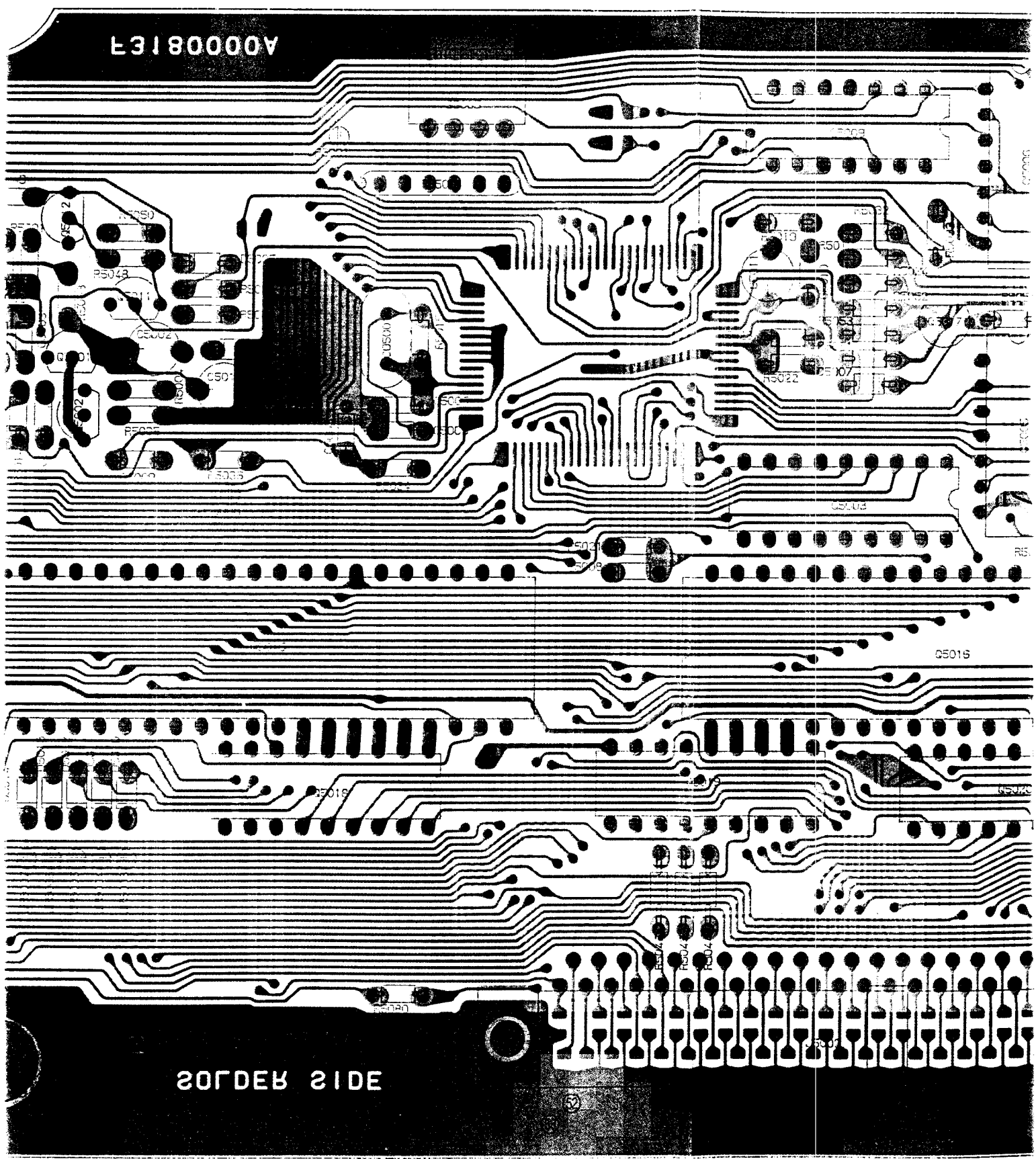
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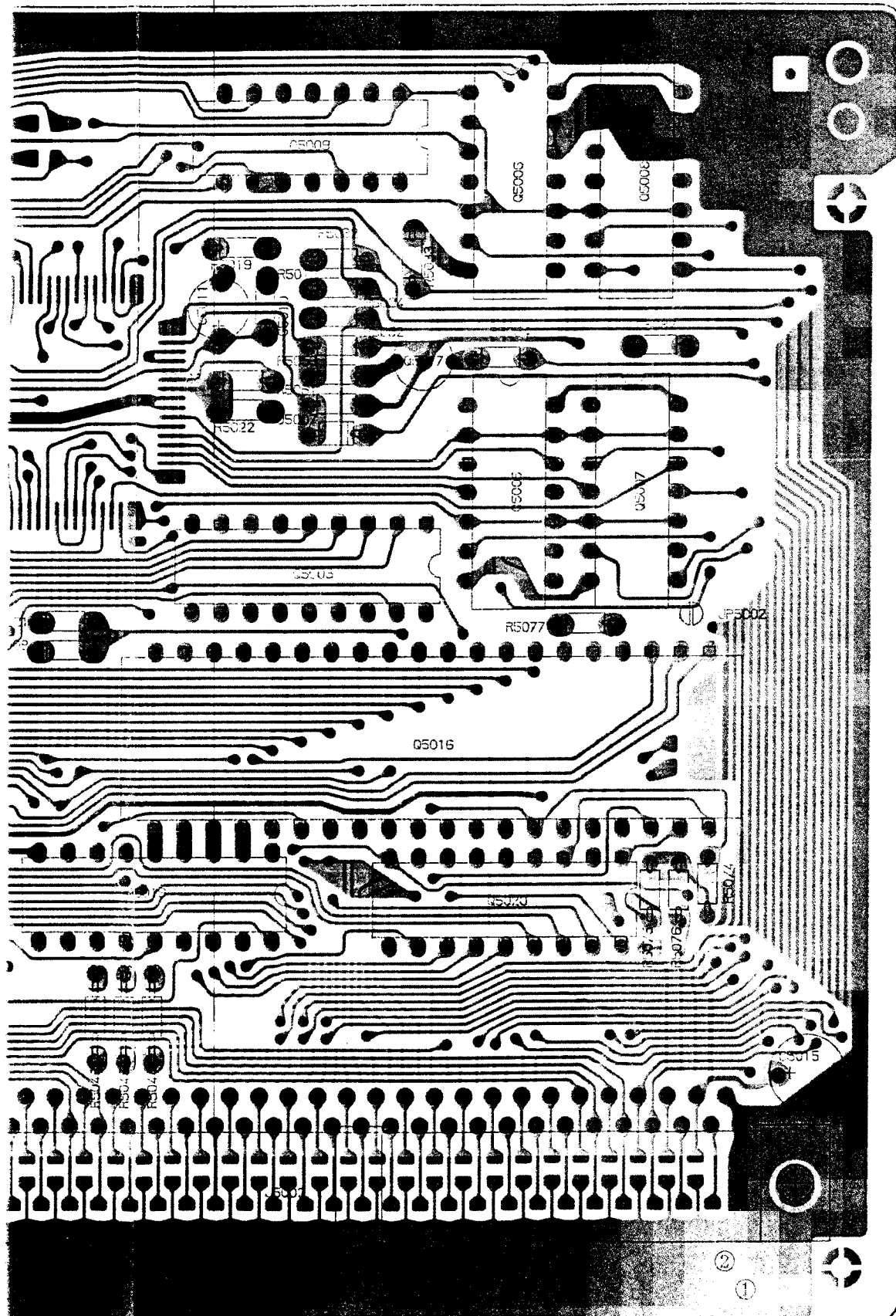


SOLDER SIDE

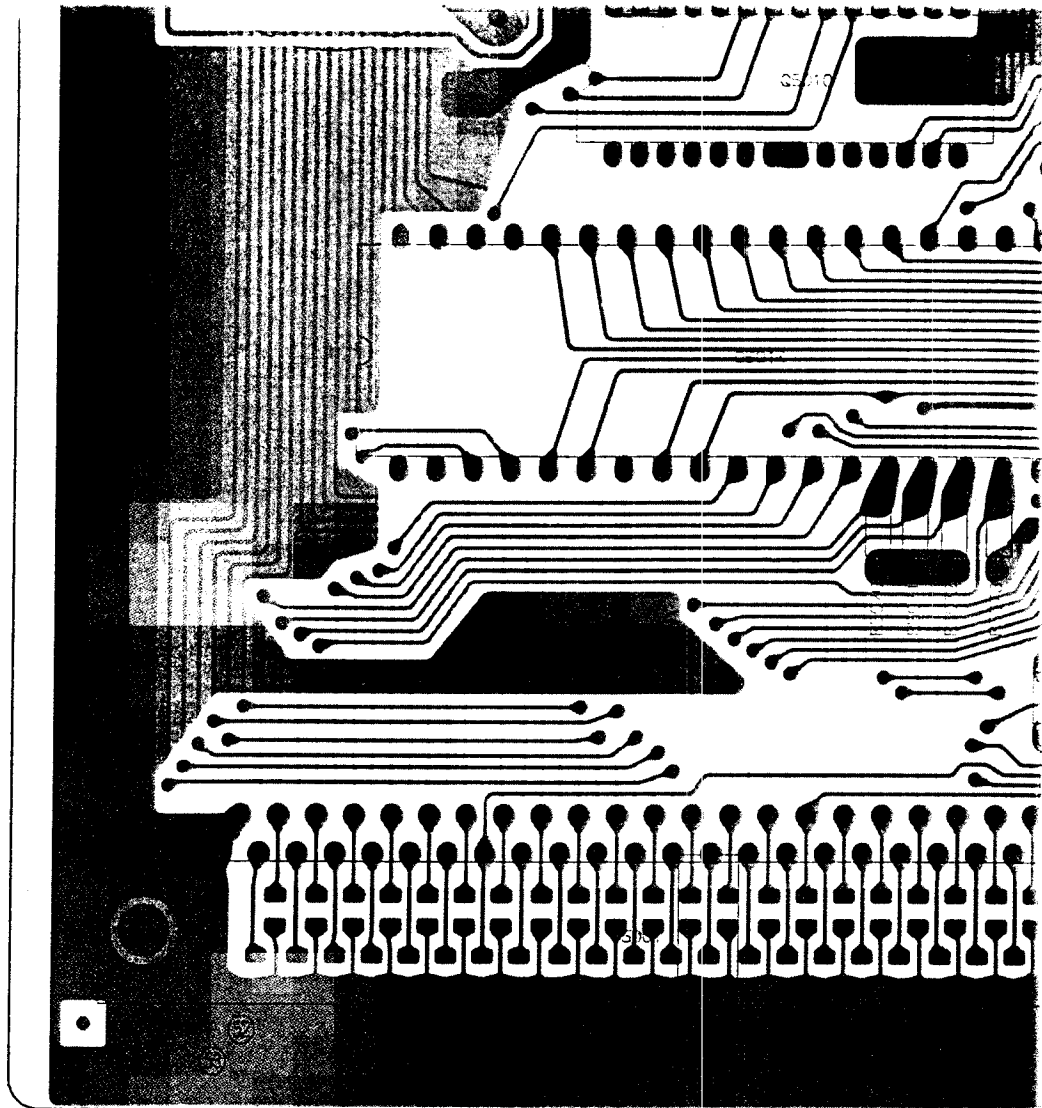
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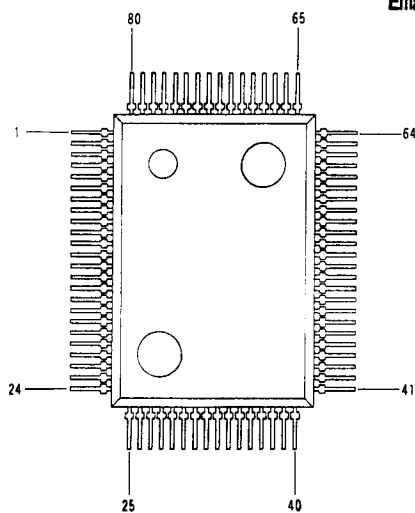




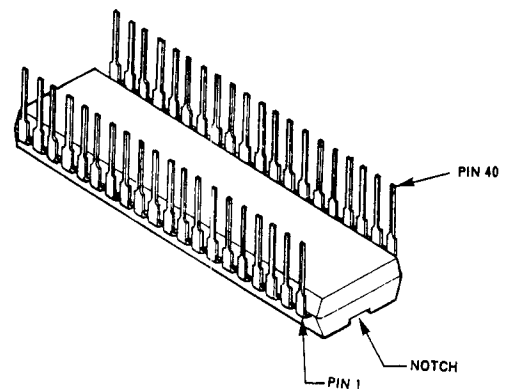
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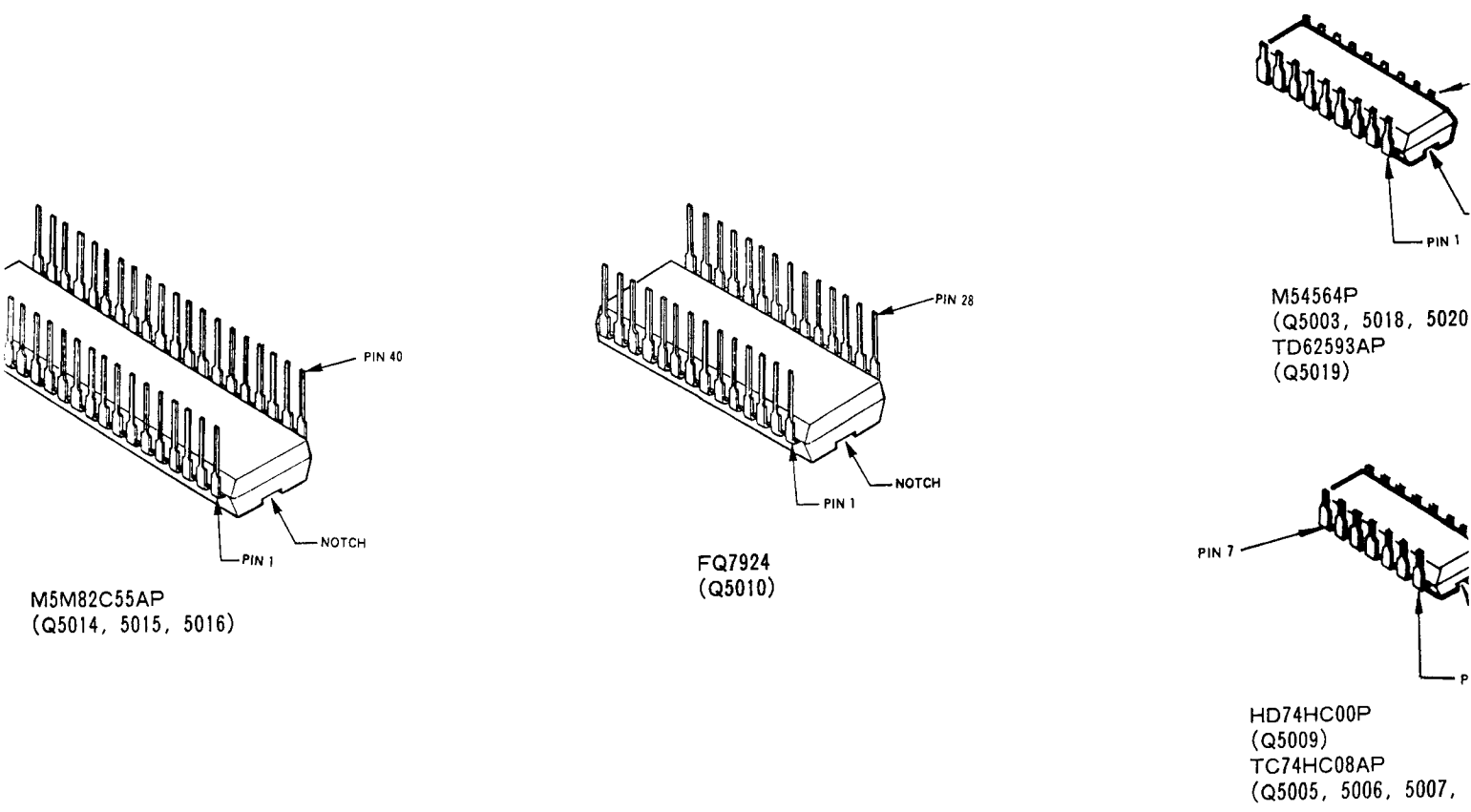
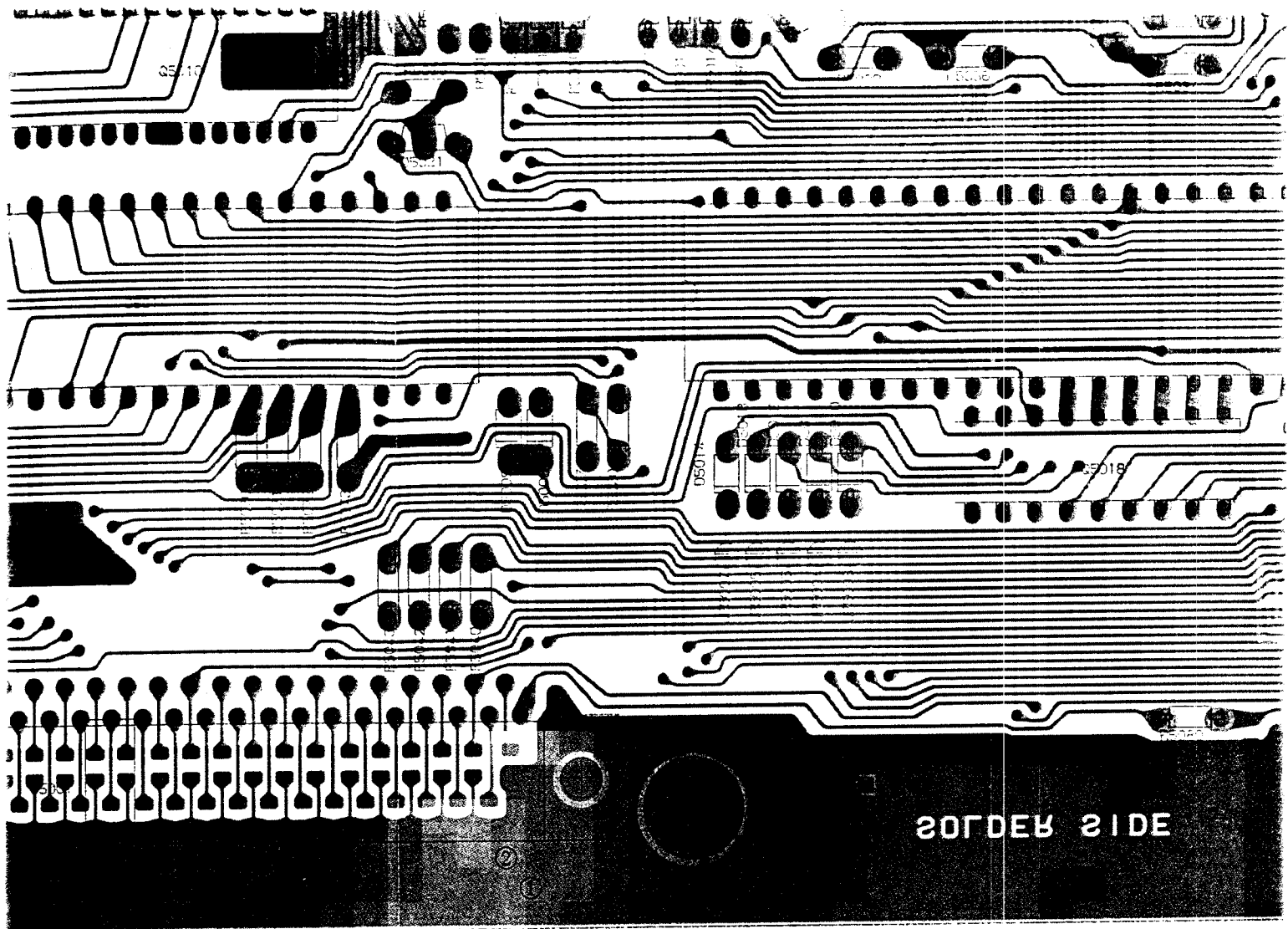
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**M37700M4**  
**(Q5004)**

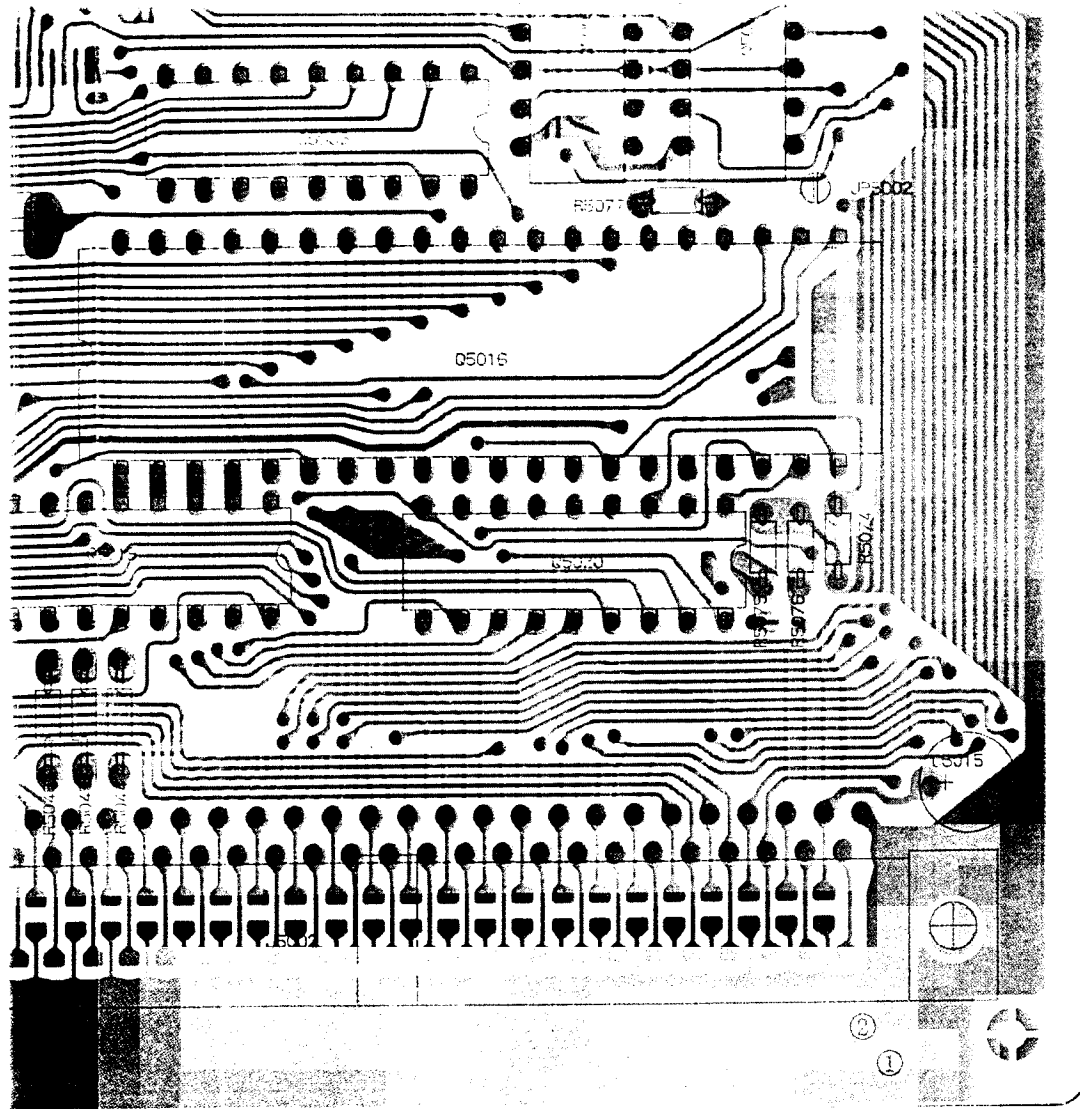


**M5M82C55AP**  
**(Q5014, 5015, 5016)**

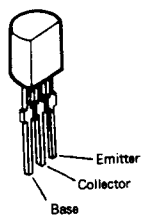




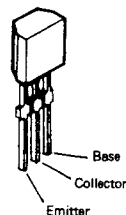




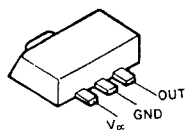
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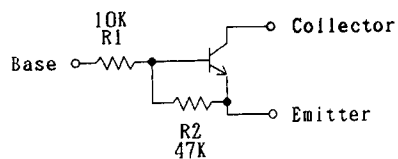
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(Q5011)  
2SC945AQ  
(Q5002, 5012, 5017)



BA1A4P  
(Q5021)



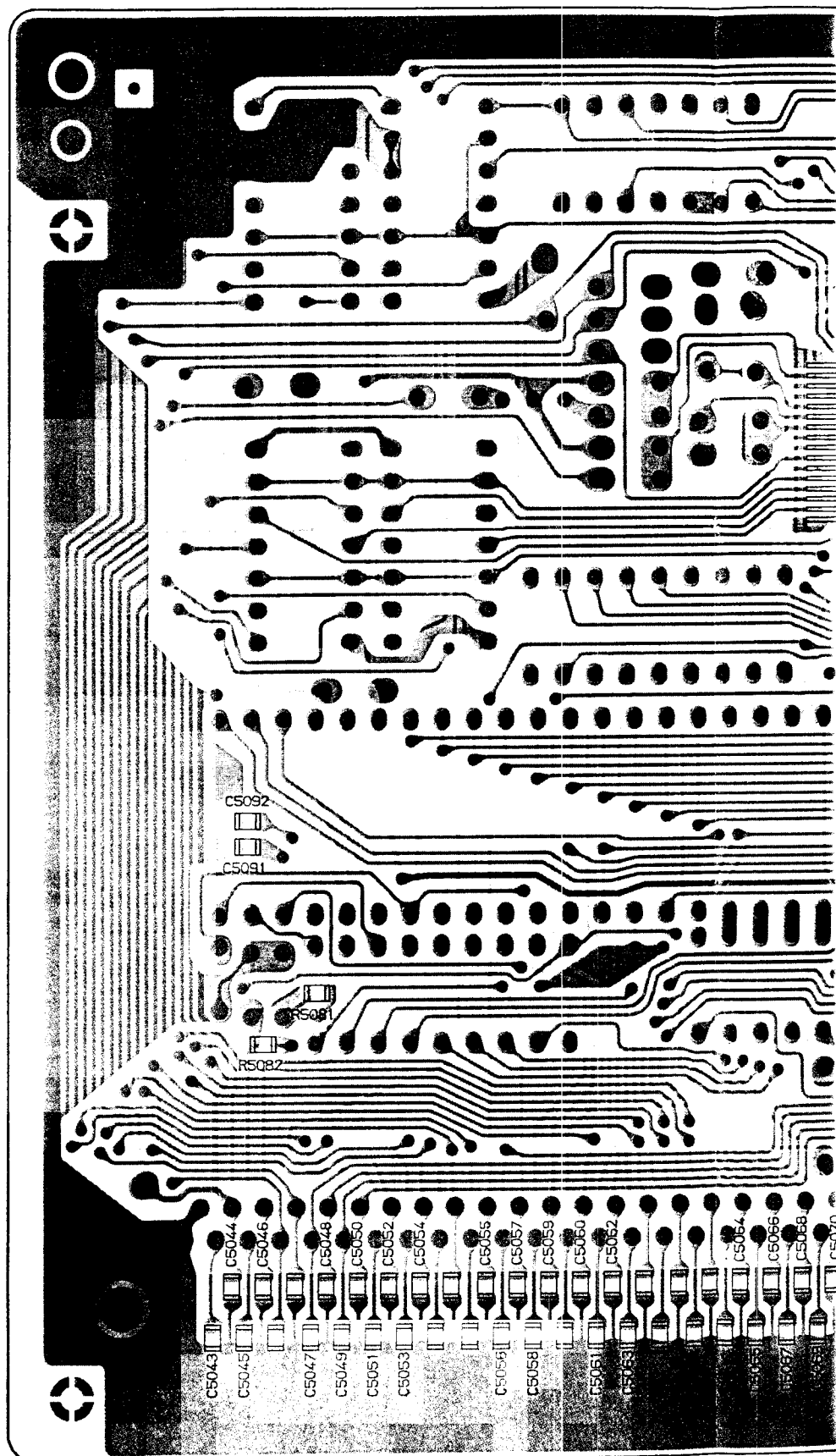
M51943BSL (A4)  
(Q5001)



BA1A4P CIRCUIT DIAGRAM

# Control (CNTL) Unit

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F3180000A

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C5087

C5089

C5002

SOLDER SIDE

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F3180000A

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SOLDER SIDE

C5037

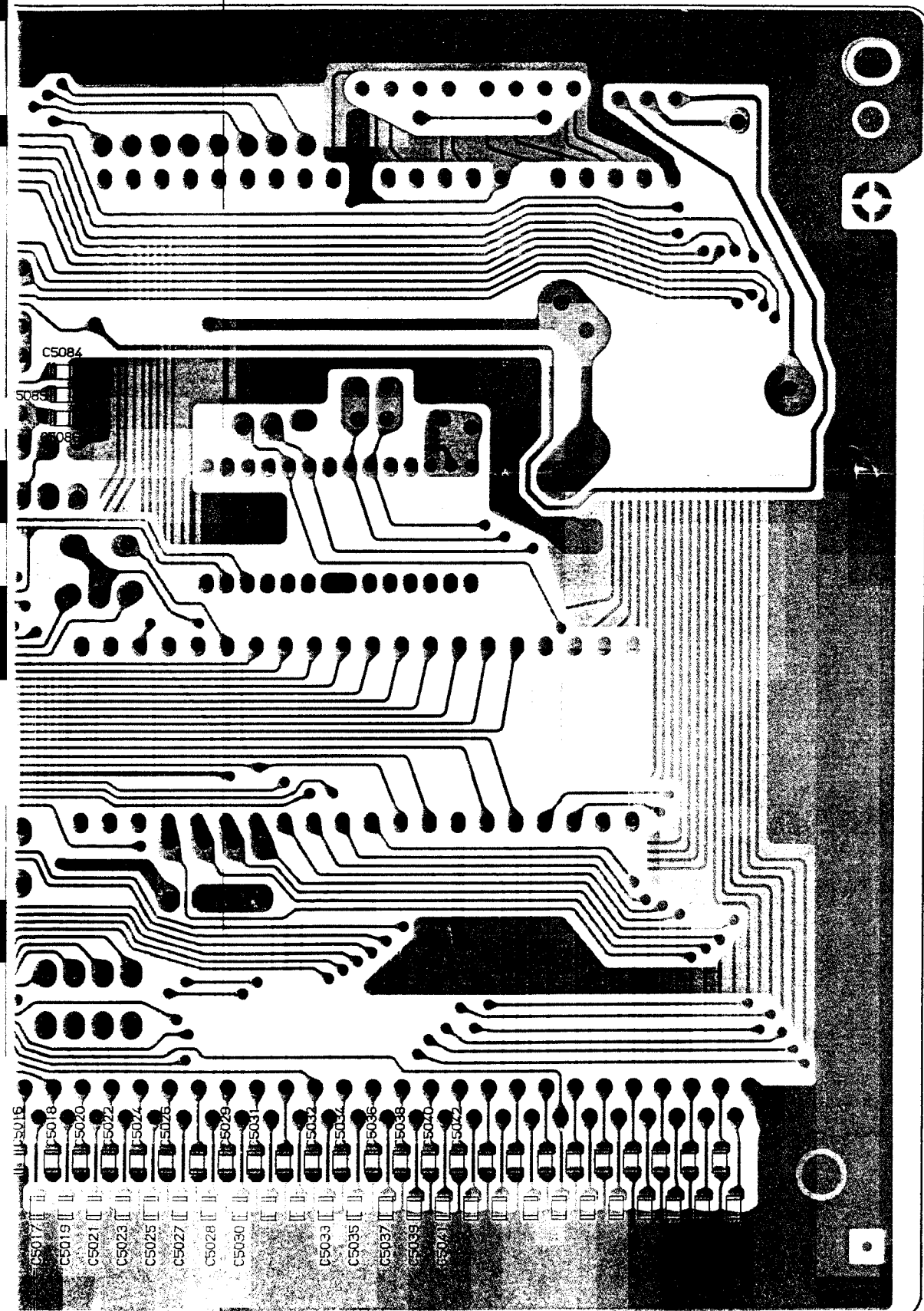
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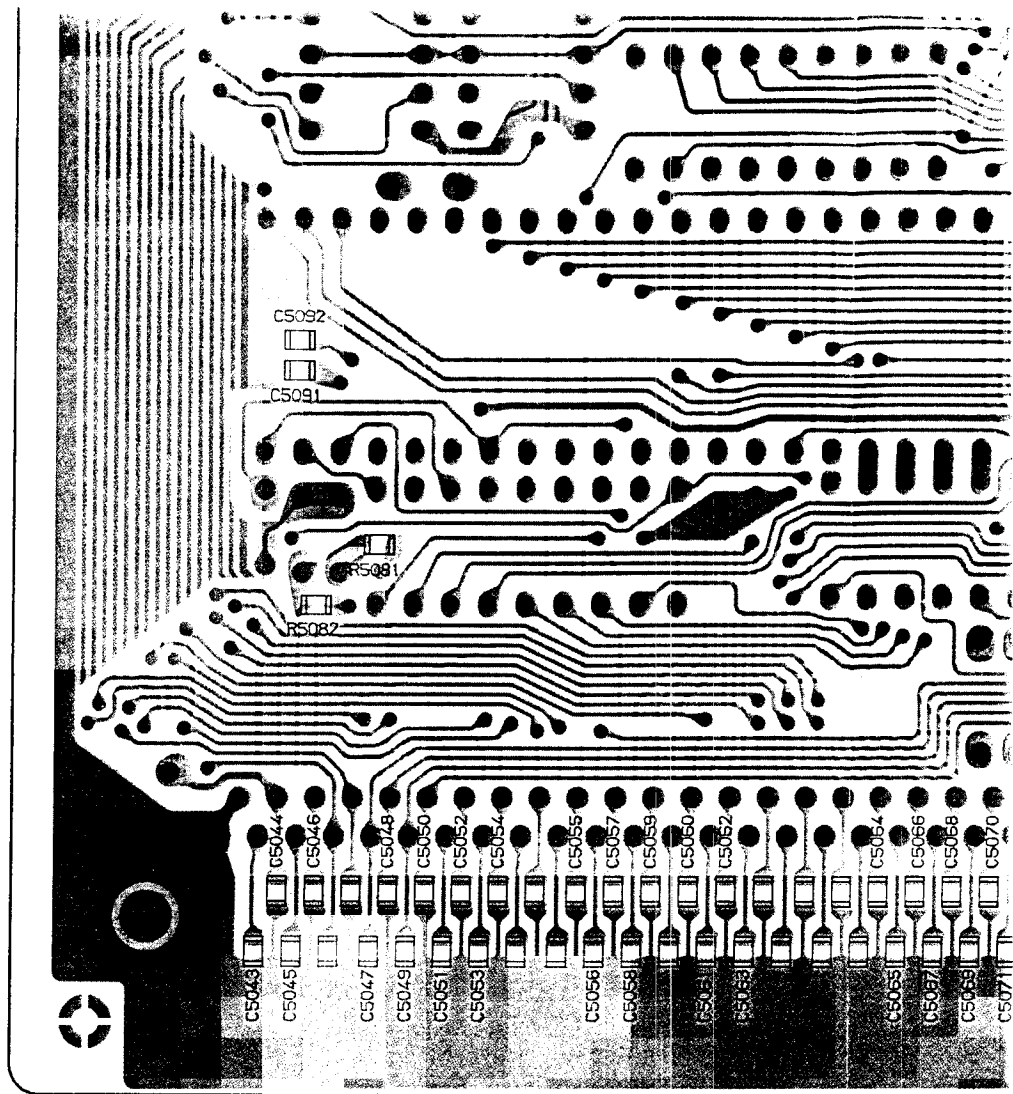
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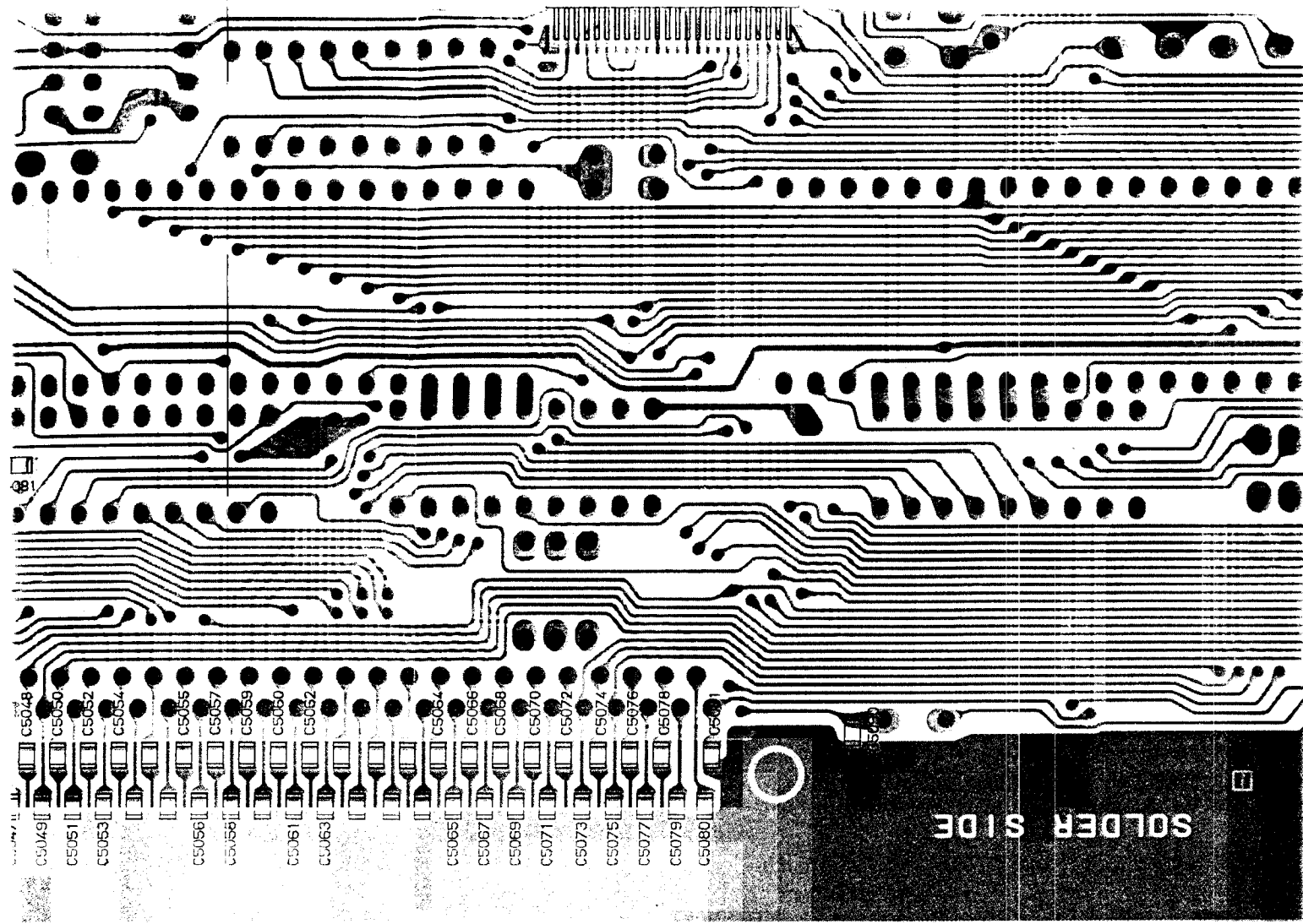
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C5042



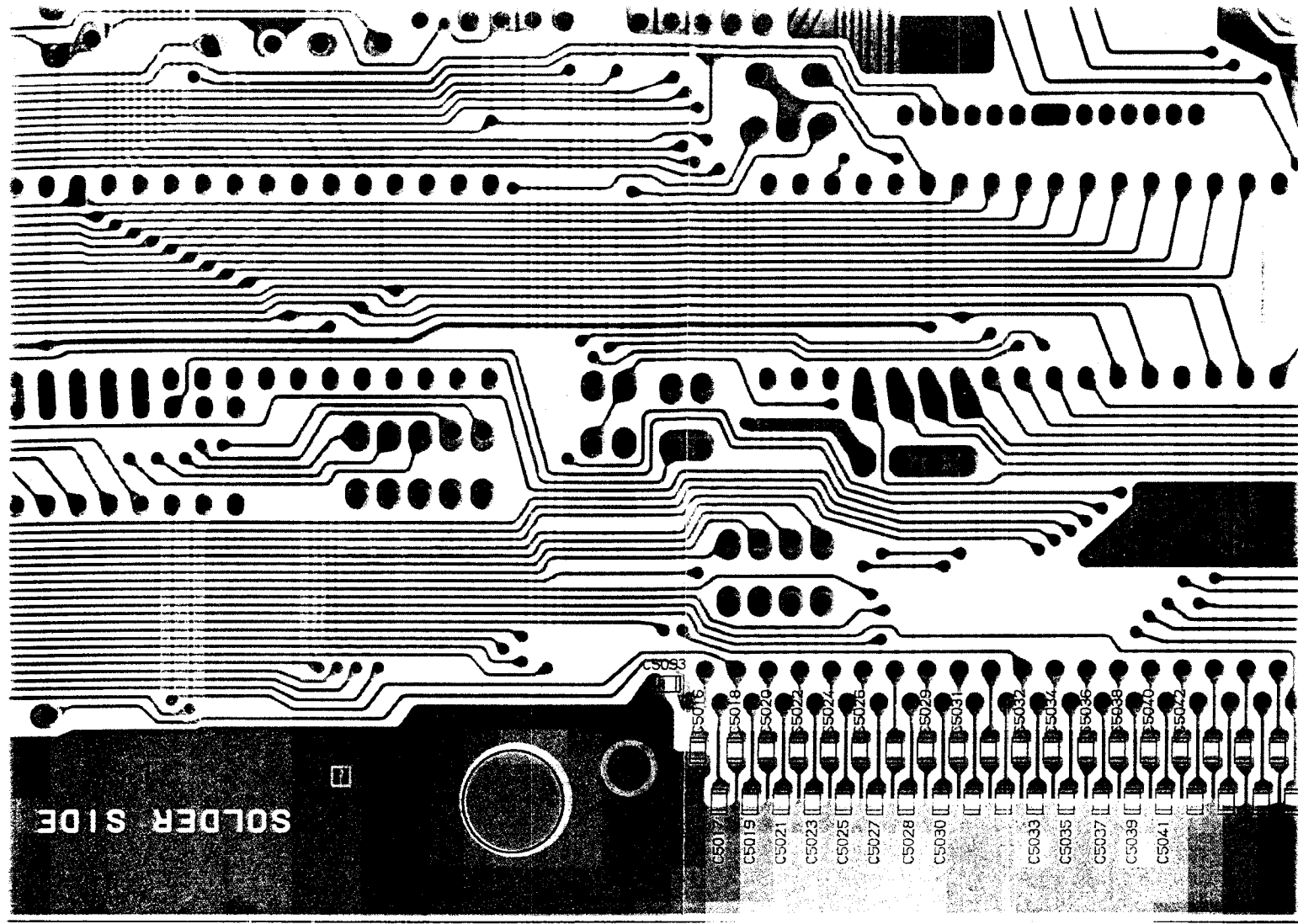
("chip-only" side)





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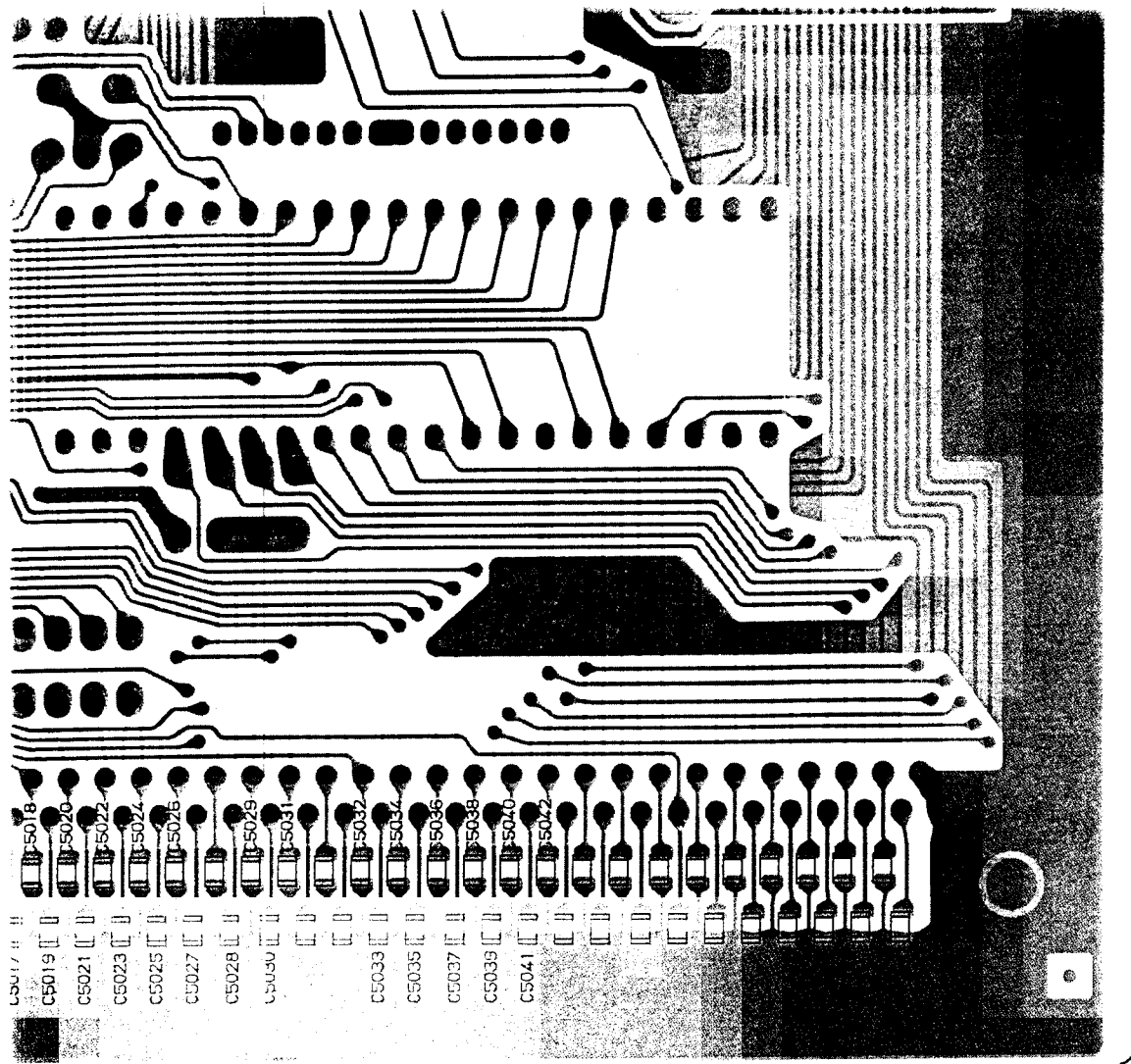




SOLDER SIDE

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C5042





("chip-only" side)

## Control (CNTL) Unit

| REF.   | YAESU P/N | DESCRIPTION       | MFR'S DESIG     | VALUE   | WV  | TOL. | VERS.   |
|--------|-----------|-------------------|-----------------|---------|-----|------|---------|
|        |           | *** CNTL UNIT *** |                 |         |     |      |         |
|        | CA0227003 | P.C.B. W COMP.    |                 |         |     |      | DST EXP |
|        | CA0227004 | P.C.B. W COMP.    |                 |         |     |      | DST USA |
|        | CA0227005 | P.C.B. W COMP.    |                 |         |     |      | DST BEL |
|        | CA0227006 | P.C.B. W COMP.    |                 |         |     |      | DST FRA |
|        | CA0227007 | P.C.B. W COMP.    |                 |         |     |      | DST AUS |
|        | F3180000A | P.C.B. W/O COMP.  |                 |         |     |      |         |
| BT5001 | Q9000398  | LITHIUM BATTERY   | CR2032-HE4      |         |     |      |         |
| C 5002 | K46170016 | AL. ELECTRO. CAP. | 50VR47M5X11TR5  | 0.47uF  | 50V |      |         |
| C 5003 | K28129001 | CERAMIC CAP.      | EP050Y103N-A    | 0.01uF  | 16V | Y    |         |
| C 5004 | K28129001 | CERAMIC CAP.      | EP050Y103N-A    | 0.01uF  | 16V | Y    |         |
| C 5005 | K28179030 | CERAMIC CAP.      | UP050SL330J-A-B | 33pF    | 50V | SL   |         |
| C 5006 | K28179030 | CERAMIC CAP.      | UP050SL330J-A-B | 33pF    | 50V | SL   |         |
| C 5007 | K28129001 | CERAMIC CAP.      | EP050Y103N-A    | 0.01uF  | 16V | Y    |         |
| C 5008 | K28179003 | CERAMIC CAP.      | UP050F104Z-A-B  | 0.1uF   | 50V | F    |         |
| C 5009 | K28129001 | CERAMIC CAP.      | EP050Y103N-A    | 0.01uF  | 16V | Y    |         |
| C 5010 | K28129001 | CERAMIC CAP.      | EP050Y103N-A    | 0.01uF  | 16V | Y    |         |
| C 5011 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5  | 10uF    | 50V |      |         |
| C 5012 | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B  | 0.047uF | 50V | F    |         |
| C 5013 | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B  | 0.047uF | 50V | F    |         |
| C 5014 | K46170014 | AL. ELECTRO. CAP. | 50VR22M5X11TR5  | 0.22uF  | 50V |      |         |
| C 5015 | K46140005 | AL. ELECTRO. CAP. | 25V101M6X11TR5  | 100uF   | 25V |      |         |
| C 5016 | K22170817 | CHIP CAP.         | GRM40B103M50PT  | 0.01uF  | 50V | B    |         |
| C 5017 | K22170817 | CHIP CAP.         | GRM40B103M50PT  | 0.01uF  | 50V | B    |         |
| C 5018 | K22170817 | CHIP CAP.         | GRM40B103M50PT  | 0.01uF  | 50V | B    |         |
| C 5019 | K22170817 | CHIP CAP.         | GRM40B103M50PT  | 0.01uF  | 50V | B    |         |
| C 5020 | K22171008 | CHIP CAP.         | GRM40F473Z50PT  | 0.047uF | 50V | F    |         |
| C 5021 | K22171008 | CHIP CAP.         | GRM40F473Z50PT  | 0.047uF | 50V | F    |         |
| C 5022 | K22171008 | CHIP CAP.         | GRM40F473Z50PT  | 0.047uF | 50V | F    |         |
| C 5023 | K22171008 | CHIP CAP.         | GRM40F473Z50PT  | 0.047uF | 50V | F    |         |
| C 5024 | K22170817 | CHIP CAP.         | GRM40B103M50PT  | 0.01uF  | 50V | B    |         |
| C 5025 | K22170817 | CHIP CAP.         | GRM40B103M50PT  | 0.01uF  | 50V | B    |         |
| C 5026 | K22170817 | CHIP CAP.         | GRM40B103M50PT  | 0.01uF  | 50V | B    |         |
| C 5027 | K22170817 | CHIP CAP.         | GRM40B103M50PT  | 0.01uF  | 50V | B    |         |
| C 5028 | K22170817 | CHIP CAP.         | GRM40B103M50PT  | 0.01uF  | 50V | B    |         |
| C 5029 | K22170817 | CHIP CAP.         | GRM40B103M50PT  | 0.01uF  | 50V | B    |         |
| C 5030 | K22170817 | CHIP CAP.         | GRM40B103M50PT  | 0.01uF  | 50V | B    |         |
| C 5031 | K22170817 | CHIP CAP.         | GRM40B103M50PT  | 0.01uF  | 50V | B    |         |
| C 5032 | K22170817 | CHIP CAP.         | GRM40B103M50PT  | 0.01uF  | 50V | B    |         |
| C 5033 | K22170817 | CHIP CAP.         | GRM40B103M50PT  | 0.01uF  | 50V | B    |         |
| C 5034 | K22170817 | CHIP CAP.         | GRM40B103M50PT  | 0.01uF  | 50V | B    |         |
| C 5035 | K22170817 | CHIP CAP.         | GRM40B103M50PT  | 0.01uF  | 50V | B    |         |
| C 5036 | K22170817 | CHIP CAP.         | GRM40B103M50PT  | 0.01uF  | 50V | B    |         |
| C 5037 | K22170817 | CHIP CAP.         | GRM40B103M50PT  | 0.01uF  | 50V | B    |         |
| C 5038 | K22170817 | CHIP CAP.         | GRM40B103M50PT  | 0.01uF  | 50V | B    |         |
| C 5039 | K22170817 | CHIP CAP.         | GRM40B103M50PT  | 0.01uF  | 50V | B    |         |
| C 5040 | K22170817 | CHIP CAP.         | GRM40B103M50PT  | 0.01uF  | 50V | B    |         |
| C 5041 | K22170817 | CHIP CAP.         | GRM40B103M50PT  | 0.01uF  | 50V | B    |         |
| C 5042 | K22170817 | CHIP CAP.         | GRM40B103M50PT  | 0.01uF  | 50V | B    |         |
| C 5043 | K22170817 | CHIP CAP.         | GRM40B103M50PT  | 0.01uF  | 50V | B    |         |
| C 5044 | K22170817 | CHIP CAP.         | GRM40B103M50PT  | 0.01uF  | 50V | B    |         |

# Control (CNTL) Unit

| REF.   | YAESU P/N | DESCRIPTION  | MFGR'S DESIG   | VALUE   | WV  | TOL. | VERS. |
|--------|-----------|--------------|----------------|---------|-----|------|-------|
| C 5045 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| C 5046 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| C 5047 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| C 5048 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| C 5049 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| C 5050 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| C 5051 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| C 5052 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| C 5053 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| C 5054 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| C 5055 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| C 5056 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| C 5057 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| C 5058 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| C 5059 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| C 5060 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| C 5061 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| C 5062 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| C 5063 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| C 5064 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| C 5065 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| C 5066 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| C 5067 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| C 5068 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| C 5069 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| C 5070 | K22171008 | CHIP CAP.    | GRM40F473Z50PT | 0.047uF | 50V | F    |       |
| C 5071 | K22171008 | CHIP CAP.    | GRM40F473Z50PT | 0.047uF | 50V | F    |       |
| C 5072 | K22171008 | CHIP CAP.    | GRM40F473Z50PT | 0.047uF | 50V | F    |       |
| C 5073 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| C 5074 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| C 5075 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| C 5076 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| C 5077 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| C 5078 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| C 5079 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| C 5080 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| C 5081 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| C 5082 | K28179002 | CERAMIC CAP. | UP050F473Z-A-B | 0.047uF | 50V | F    |       |
| C 5083 | K28179002 | CERAMIC CAP. | UP050F473Z-A-B | 0.047uF | 50V | F    |       |
| C 5084 | K22170805 | CHIP CAP.    | GRM40B102M50PT | 0.001uF | 50V | B    |       |
| C 5085 | K22170805 | CHIP CAP.    | GRM40B102M50PT | 0.001uF | 50V | B    |       |
| C 5086 | K22170805 | CHIP CAP.    | GRM40B102M50PT | 0.001uF | 50V | B    |       |
| C 5087 | K22170805 | CHIP CAP.    | GRM40B102M50PT | 0.001uF | 50V | B    |       |
| C 5088 | K22170805 | CHIP CAP.    | GRM40B102M50PT | 0.001uF | 50V | B    |       |
| C 5089 | K22170805 | CHIP CAP.    | GRM40B102M50PT | 0.001uF | 50V | B    |       |
| C 5090 | K22170805 | CHIP CAP.    | GRM40B102M50PT | 0.001uF | 50V | B    |       |
| C 5091 | K22170805 | CHIP CAP.    | GRM40B102M50PT | 0.001uF | 50V | B    |       |
| C 5092 | K22170805 | CHIP CAP.    | GRM40B102M50PT | 0.001uF | 50V | B    |       |
| C 5093 | K22170817 | CHIP CAP.    | GRM40B103M50PT | 0.01uF  | 50V | B    |       |
| CO5001 | H7900580  | CERAMIC OSC  | CSA8.00MT      |         |     |      |       |
| D 5002 | G2060004  | DIODE        | 1SS270TJ       |         |     |      |       |
| D 5003 | G2060004  | DIODE        | 1SS270TJ       |         |     |      |       |
| D 5004 | G2060004  | DIODE        | 1SS270TJ       |         |     |      |       |

## Control (CNTL) Unit

| REF.   | YAESU P/N | DESCRIPTION      | MFGR'S DESIG       | VALUE | WV   | TOL. | VERS. |
|--------|-----------|------------------|--------------------|-------|------|------|-------|
| D 5005 | G2060004  | DIODE            | 1SS270TJ           |       |      |      |       |
| D 5006 | G2090118  | DIODE            | 1SS97              |       |      |      |       |
| D 5007 | G2060004  | DIODE            | 1SS270TJ           |       |      |      |       |
| D 5008 | G2060004  | DIODE            | 1SS270TJ           |       |      |      |       |
| D 5009 | G2060004  | DIODE            | 1SS270TJ           |       |      |      |       |
| D 5010 | G2060004  | DIODE            | 1SS270TJ           |       |      |      |       |
| D 5011 | G2060004  | DIODE            | 1SS270TJ           |       |      |      |       |
| D 5012 | G2060004  | DIODE            | 1SS270TJ           |       |      |      |       |
| D 5013 | G2060004  | DIODE            | 1SS270TJ           |       |      |      |       |
| D 5014 | G2060004  | DIODE            | 1SS270TJ           |       |      |      |       |
| D 5015 | G2060004  | DIODE            | 1SS270TJ           |       |      |      |       |
| D 5016 | G2090201  | DIODE            | RD3. 3EB2          |       |      |      |       |
| J 5001 | P0090775  | CONNECTOR        | PCN5D-53PT-1. 27DS |       |      |      |       |
| J 5002 | P0090775  | CONNECTOR        | PCN5D-53PT-1. 27DS |       |      |      |       |
| Q 5001 | G1090840  | IC               | M51943BSL          |       |      |      |       |
| Q 5002 | G3309451Q | TRANSISTOR       | 2SC945AQ           |       |      |      |       |
| Q 5003 | G1090836  | IC               | M54564P            |       |      |      |       |
| Q 5004 | G1091180  | IC               | M37700M4-117FP     |       |      |      |       |
| Q 5005 | G1091120  | IC               | TC74HC08AP         |       |      |      |       |
| Q 5006 | G1091120  | IC               | TC74HC08AP         |       |      |      |       |
| Q 5007 | G1091120  | IC               | TC74HC08AP         |       |      |      |       |
| Q 5008 | G1091120  | IC               | TC74HC08AP         |       |      |      |       |
| Q 5009 | G1091007  | IC               | HD74HC00P          |       |      |      |       |
| Q 5010 | G1091080  | IC               | FQ7924             |       |      |      |       |
| Q 5011 | G3107331Q | TRANSISTOR       | 2SA733AQ           |       |      |      |       |
| Q 5012 | G3309451Q | TRANSISTOR       | 2SC945AQ           |       |      |      |       |
| Q 5014 | G1091121  | IC               | M5M82C55AP-2       |       |      |      |       |
| Q 5015 | G1091121  | IC               | M5M82C55AP-2       |       |      |      |       |
| Q 5016 | G1091121  | IC               | M5M82C55AP-2       |       |      |      |       |
| Q 5017 | G3309451Q | TRANSISTOR       | 2SC945AQ           |       |      |      |       |
| Q 5018 | G1090836  | IC               | M54564P            |       |      |      |       |
| Q 5019 | G1091119  | IC               | TD62593AP          |       |      |      |       |
| Q 5020 | G1090836  | IC               | M54564P            |       |      |      |       |
| Q 5021 | G3050003  | TRANSISTOR       | BA1A4P-T           |       |      |      |       |
| R 5001 | J07225222 | CARBON FILM RES. | RD16TPJ222         | 2. 2K | 1/6W |      |       |
| R 5002 | J07225102 | CARBON FILM RES. | RD16TPJ102         | 1K    | 1/6W |      |       |
| R 5004 | J07225103 | CARBON FILM RES. | RD16TPJ103         | 10K   | 1/6W |      |       |
| R 5005 | J07225473 | CARBON FILM RES. | RD16TPJ473         | 47K   | 1/6W |      |       |
| R 5006 | J07225102 | CARBON FILM RES. | RD16TPJ102         | 1K    | 1/6W |      |       |
| R 5007 | J07225102 | CARBON FILM RES. | RD16TPJ102         | 1K    | 1/6W |      |       |
| R 5008 | J07225102 | CARBON FILM RES. | RD16TPJ102         | 1K    | 1/6W |      |       |
| R 5009 | J07225103 | CARBON FILM RES. | RD16TPJ103         | 10K   | 1/6W |      |       |
| R 5010 | J07225104 | CARBON FILM RES. | RD16TPJ104         | 100K  | 1/6W |      |       |
| R 5011 | J07225104 | CARBON FILM RES. | RD16TPJ104         | 100K  | 1/6W |      |       |
| R 5012 | J07225104 | CARBON FILM RES. | RD16TPJ104         | 100K  | 1/6W |      |       |
| R 5013 | J07225103 | CARBON FILM RES. | RD16TPJ103         | 10K   | 1/6W |      |       |
| R 5014 | J07225103 | CARBON FILM RES. | RD16TPJ103         | 10K   | 1/6W |      |       |
| R 5015 | J07225105 | CARBON FILM RES. | RD16TPJ105         | 1M    | 1/6W |      |       |
| R 5016 | J07225104 | CARBON FILM RES. | RD16TPJ104         | 100K  | 1/6W |      |       |
| R 5017 | J07225104 | CARBON FILM RES. | RD16TPJ104         | 100K  | 1/6W |      |       |
| R 5018 | J07225104 | CARBON FILM RES. | RD16TPJ104         | 100K  | 1/6W |      |       |
| R 5019 | J07225104 | CARBON FILM RES. | RD16TPJ104         | 100K  | 1/6W |      |       |

# Control (CNTL) Unit

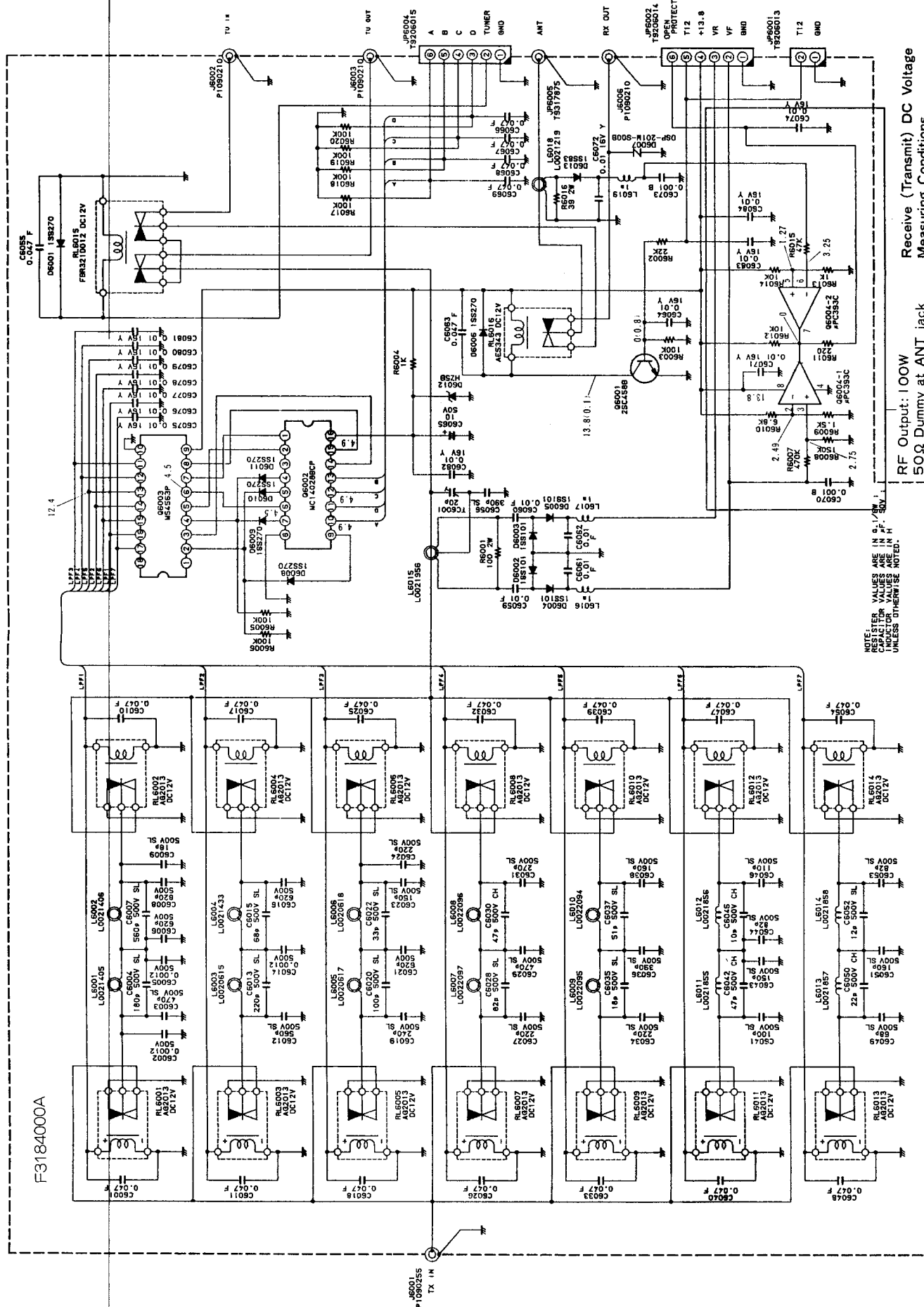
| REF.   | YABSU P/N | DESCRIPTION      | MFGR'S DESIG  | VALUE      | WV    | TOL. | VERS. |
|--------|-----------|------------------|---------------|------------|-------|------|-------|
| R 5020 | J07225103 | CARBON FILM RES. | RD16TPJ103    | 10K        | 1/6W  |      |       |
| R 5021 | J07225123 | CARBON FILM RES. | RD16TPJ123    | 12K        | 1/6W  |      |       |
| R 5022 | J07225103 | CARBON FILM RES. | RD16TPJ103    | 10K        | 1/6W  |      |       |
| R 5023 | J07225392 | CARBON FILM RES. | RD16TPJ392    | 3.9K       | 1/6W  |      |       |
| R 5024 | J07225104 | CARBON FILM RES. | RD16TPJ104    | 100K       | 1/6W  |      |       |
| R 5025 | J07225104 | CARBON FILM RES. | RD16TPJ104    | 100K       | 1/6W  |      |       |
| R 5026 | J07225104 | CARBON FILM RES. | RD16TPJ104    | 100K       | 1/6W  |      |       |
| R 5027 | J07225104 | CARBON FILM RES. | RD16TPJ104    | 100K       | 1/6W  |      |       |
| R 5028 | J07225472 | CARBON FILM RES. | RD16TPJ472    | 4.7K       | 1/6W  |      |       |
| R 5029 | J07225472 | CARBON FILM RES. | RD16TPJ472    | 4.7K       | 1/6W  |      |       |
| R 5030 | J07225104 | CARBON FILM RES. | RD16TPJ104    | 100K       | 1/6W  |      |       |
| R 5031 | J07225102 | CARBON FILM RES. | RD16TPJ102    | 1K         | 1/6W  |      |       |
| R 5032 | J07225104 | CARBON FILM RES. | RD16TPJ104    | 100K       | 1/6W  |      |       |
| R 5033 | J07225104 | CARBON FILM RES. | RD16TPJ104    | 100K       | 1/6W  |      |       |
| R 5034 | J07225104 | CARBON FILM RES. | RD16TPJ104    | 100K       | 1/6W  |      |       |
| R 5035 | J07225103 | CARBON FILM RES. | RD16TPJ103    | 10K        | 1/6W  |      |       |
| R 5036 | J07225104 | CARBON FILM RES. | RD16TPJ104    | 100K       | 1/6W  |      |       |
| R 5040 | J07225221 | CARBON FILM RES. | RD16TPJ221    | 220        | 1/6W  |      |       |
| R 5041 | J07225221 | CARBON FILM RES. | RD16TPJ221    | 220        | 1/6W  |      |       |
| R 5042 | J07225221 | CARBON FILM RES. | RD16TPJ221    | 220        | 1/6W  |      |       |
| R 5043 | J07225221 | CARBON FILM RES. | RD16TPJ221    | 220        | 1/6W  |      |       |
| R 5044 | J07225471 | CARBON FILM RES. | RD16TPJ471    | 470        | 1/6W  |      |       |
| R 5045 | J07225471 | CARBON FILM RES. | RD16TPJ471    | 470        | 1/6W  |      |       |
| R 5046 | J07225471 | CARBON FILM RES. | RD16TPJ471    | 470        | 1/6W  |      |       |
| R 5047 | J07225103 | CARBON FILM RES. | RD16TPJ103    | 10K        | 1/6W  |      |       |
| R 5048 | J07225472 | CARBON FILM RES. | RD16TPJ472    | 4.7K       | 1/6W  |      |       |
| R 5049 | J07225472 | CARBON FILM RES. | RD16TPJ472    | 4.7K       | 1/6W  |      |       |
| R 5050 | J07225223 | CARBON FILM RES. | RD16TPJ223    | 22K        | 1/6W  |      |       |
| R 5051 | J07225102 | CARBON FILM RES. | RD16TPJ102    | 1K         | 1/6W  |      |       |
| R 5052 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K        | 1/6W  |      |       |
| R 5053 | J07225103 | CARBON FILM RES. | RD16TPJ103    | 10K        | 1/6W  |      |       |
| R 5054 | J07225101 | CARBON FILM RES. | RD16TPJ101    | 100        | 1/6W  |      |       |
| R 5070 | J07225104 | CARBON FILM RES. | RD16TPJ104    | 100K       | 1/6W  |      |       |
| R 5071 | J07225104 | CARBON FILM RES. | RD16TPJ104    | 100K       | 1/6W  |      |       |
| R 5072 | J07225104 | CARBON FILM RES. | RD16TPJ104    | 100K       | 1/6W  |      |       |
| R 5073 | J07225104 | CARBON FILM RES. | RD16TPJ104    | 100K       | 1/6W  |      |       |
| R 5074 | J07225104 | CARBON FILM RES. | RD16TPJ104    | 100K       | 1/6W  |      |       |
| R 5075 | J07225104 | CARBON FILM RES. | RD16TPJ104    | 100K       | 1/6W  |      |       |
| R 5076 | J07225104 | CARBON FILM RES. | RD16TPJ104    | 100K       | 1/6W  |      |       |
| R 5077 | J07225104 | CARBON FILM RES. | RD16TPJ104    | 100K       | 1/6W  |      |       |
| R 5078 | J24205102 | CHIP RES.        | RMC1/10T 102J | 1K         | 1/10W |      |       |
| R 5079 | J24205102 | CHIP RES.        | RMC1/10T 102J | 1K         | 1/10W |      |       |
| R 5080 | J07225102 | CARBON FILM RES. | RD16TPJ102    | 1K         | 1/6W  |      |       |
| R 5081 | J24205102 | CHIP RES.        | RMC1/10T 102J | 1K         | 1/10W |      |       |
| R 5082 | J24205102 | CHIP RES.        | RMC1/10T 102J | 1K         | 1/10W |      |       |
| R 5083 | J07225472 | CARBON FILM RES. | RD16TPJ472    | 4.7K       | 1/6W  |      |       |
| R 5084 | J07225472 | CARBON FILM RES. | RD16TPJ472    | 4.7K       | 1/6W  |      |       |
| RB5001 | J40900036 | BLOCK RES.       | EXB-P85103    | EXB-P85103 |       |      |       |
| RB5002 | J40900164 | BLOCK RES.       | EXB-P84103K   | EXB-P84103 |       |      |       |
| RB5003 | J40900164 | BLOCK RES.       | EXB-P84103K   | EXB-P84103 |       |      |       |
| RB5004 | J40900035 | BLOCK RES.       | EXB-P88103    | EXB-P88103 |       |      |       |
| S 5001 | N6090051  | SLIDE SWITCH     | SSS212299     |            |       |      |       |
| S 5002 | N0190157  | ROTARY SWITCH    | DRR3016       |            |       |      |       |

For Service Manuals Contact  
**MAURITRON TECHNICAL SERVICES**  
 8 Cherry Tree Rd, Chinnor  
 Oxon OX9 4QY  
 Tel:- 01844-351694 Fax:- 01844-352554  
 Email:- enquiries@mauritron.co.uk

# Control (CNTL) Unit

| REF.   | YAESU P/N | DESCRIPTION   | MFGR'S DESIG | VALUE | WV | TOL. | VERS. |
|--------|-----------|---------------|--------------|-------|----|------|-------|
| S 5003 | N0190157  | ROTARY SWITCH | DRR3016      |       |    |      |       |
| S 5004 | N7090102  | DIP SWITCH    | DPS708       |       |    |      |       |
| S 5005 | N7090104  | DIP SWITCH    | DPS704       |       |    |      |       |
|        | R0136960  | FITTING R     |              |       |    |      |       |
|        | R0136970  | FITTING L     |              |       |    |      |       |

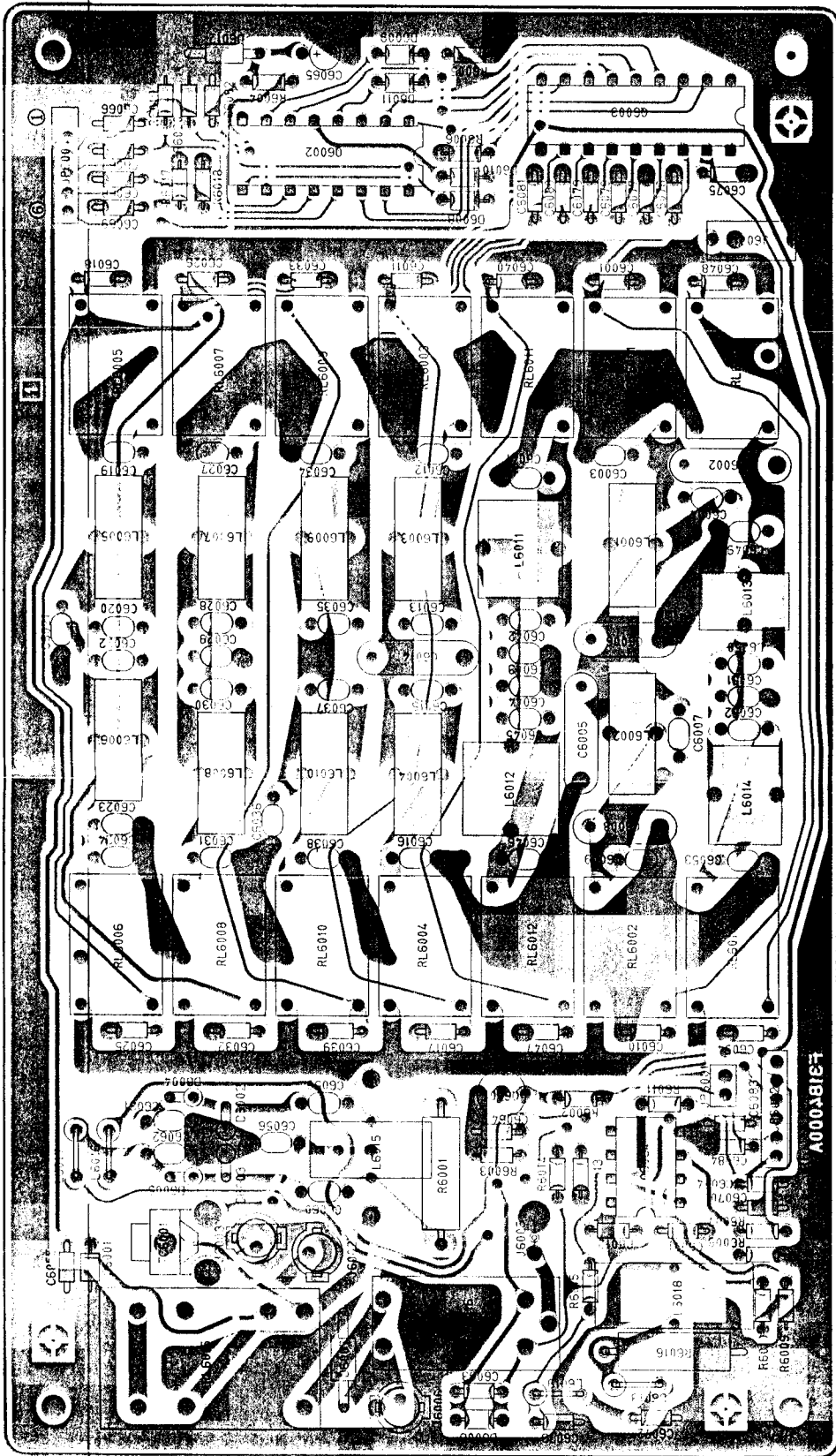
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Receive (Transmit) DC Voltage  
Measuring Conditions  
Frequency: 14.200MHz  
Mode: CW

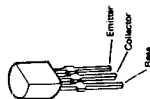
RF Output: 100W  
50Ω Dummy at ANT jack

NOTE: CAPACITOR VALUES ARE IN P.F. UNLESS OTHERWISE NOTED.

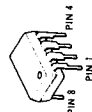


(“component” side)

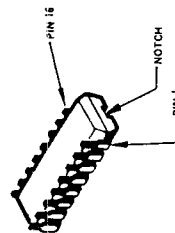
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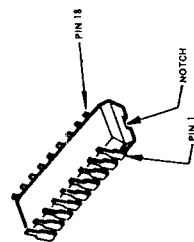
2SC458B  
(Q6001)



**μPC393C  
(Q6004)**

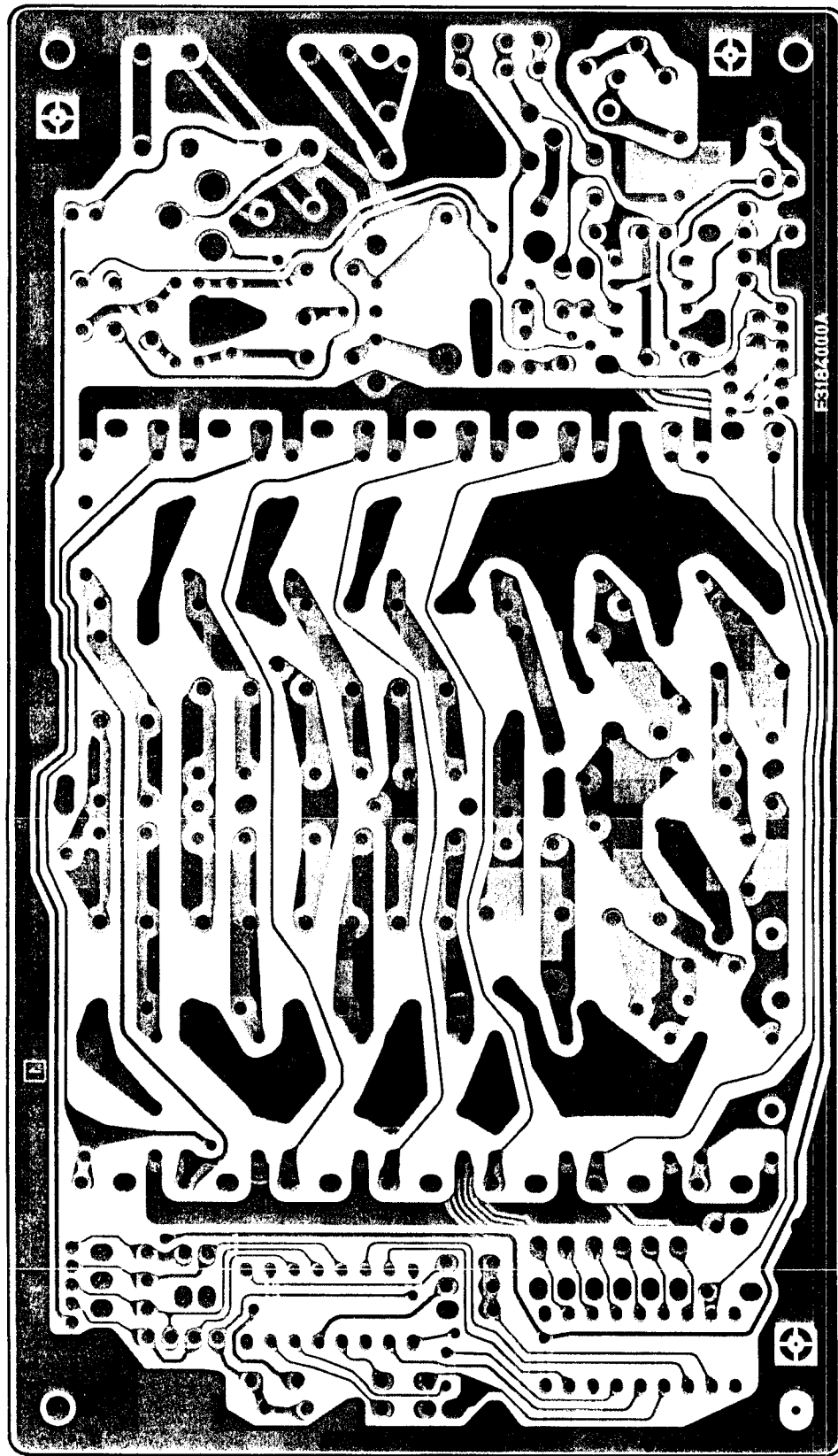


MC14028BCP  
(Q6002)



M54563P  
(Q6003)





(“solder” side)

| REF.             | YAESU P/N | DESCRIPTION      | MFGR'S DESIG      | VALUE    | WV   | TOL. | VERS. |
|------------------|-----------|------------------|-------------------|----------|------|------|-------|
| *** LPF UNIT *** |           |                  |                   |          |      |      |       |
|                  | CA0231001 | P.C.B. W COMP.   |                   |          |      |      |       |
|                  | F3184000A | P.C.B. W/O COMP. |                   |          |      |      |       |
| C 6001           | K28179002 | CERAMIC CAP.     | UP050F473Z-A-B    | 0.047uF  | 50V  | F    |       |
| C 6002           | K30275122 | MICA CAP.        | LCQ21122J5        | 0.0012uF | 500V |      |       |
| C 6003           | K26270053 | CERAMIC CAP.     | DD11-979SL471K500 | 470pF    | 500V | SL   |       |
| C 6004           | K26270043 | CERAMIC CAP.     | DD08-979SL181K500 | 180pF    | 500V | SL   |       |
| C 6005           | K30275122 | MICA CAP.        | LCQ21122J5        | 0.0012uF | 500V |      |       |
| C 6006           | K30275621 | MICA CAP.        | LCQ18621J5        | 620p     | 500V |      |       |
| C 6007           | K00279005 | CERAMIC CAP.     | DD12SL561K500     | 560pF    | 500V | SL   |       |
| C 6008           | K30275821 | MICA CAP.        | LCQ18821J5        | 820pF    | 500V |      |       |
| C 6009           | K26270019 | CERAMIC CAP.     | DD05-979SL180K500 | 18pF     | 500V | SL   |       |
| C 6010           | K28179002 | CERAMIC CAP.     | UP050F473Z-A-B    | 0.047uF  | 50V  | F    |       |
| C 6011           | K28179002 | CERAMIC CAP.     | UP050F473Z-A-B    | 0.047uF  | 50V  | F    |       |
| C 6012           | K00279005 | CERAMIC CAP.     | DD12SL561K500     | 560pF    | 500V | SL   |       |
| C 6013           | K26270045 | CERAMIC CAP.     | DD09-979SL221K500 | 220pF    | 500V | SL   |       |
| C 6014           | K30275122 | MICA CAP.        | LCQ21122J5        | 0.0012uF | 500V |      |       |
| C 6015           | K26270033 | CERAMIC CAP.     | DD05-979SL680K500 | 68pF     | 500V | SL   |       |
| C 6016           | K30275621 | MICA CAP.        | LCQ18621J5        | 620p     | 500V |      |       |
| C 6017           | K28179002 | CERAMIC CAP.     | UP050F473Z-A-B    | 0.047uF  | 50V  | F    |       |
| C 6018           | K28179002 | CERAMIC CAP.     | UP050F473Z-A-B    | 0.047uF  | 50V  | F    |       |
| C 6019           | K26270046 | CERAMIC CAP.     | DD09-979SL241K500 | 240p     | 500V | SL   |       |
| C 6020           | K26270037 | CERAMIC CAP.     | DD06-979SL101K500 | 100pF    | 500V | SL   |       |
| C 6021           | K30275621 | MICA CAP.        | LCQ18621J5        | 620p     | 500V |      |       |
| C 6022           | K26270025 | CERAMIC CAP.     | DD05-979SL330K500 | 33pF     | 500V | SL   |       |
| C 6023           | K26270041 | CERAMIC CAP.     | DD07-979SL151K500 | 150pF    | 500V | SL   |       |
| C 6024           | K26270045 | CERAMIC CAP.     | DD09-979SL221K500 | 220pF    | 500V | SL   |       |
| C 6025           | K28179002 | CERAMIC CAP.     | UP050F473Z-A-B    | 0.047uF  | 50V  | F    |       |
| C 6026           | K28179002 | CERAMIC CAP.     | UP050F473Z-A-B    | 0.047uF  | 50V  | F    |       |
| C 6027           | K26270045 | CERAMIC CAP.     | DD09-979SL221K500 | 220pF    | 500V | SL   |       |
| C 6028           | K26270035 | CERAMIC CAP.     | DD06-979SL820K500 | 82pF     | 500V | SL   |       |
| C 6029           | K26270053 | CERAMIC CAP.     | DD11-979SL471K500 | 470pF    | 500V | SL   |       |
| C 6030           | K26270128 | CERAMIC CAP.     | DD07-979CH470J500 | 47pF     | 500V | CH   |       |
| C 6031           | K26270047 | CERAMIC CAP.     | DD09-979SL271K500 | 270pF    | 500V | SL   |       |
| C 6032           | K28179002 | CERAMIC CAP.     | UP050F473Z-A-B    | 0.047uF  | 50V  | F    |       |
| C 6033           | K28179002 | CERAMIC CAP.     | UP050F473Z-A-B    | 0.047uF  | 50V  | F    |       |
| C 6034           | K26270045 | CERAMIC CAP.     | DD09-979SL221K500 | 220pF    | 500V | SL   |       |
| C 6035           | K26270019 | CERAMIC CAP.     | DD05-979SL180K500 | 18pF     | 500V | SL   |       |
| C 6036           | K26270051 | CERAMIC CAP.     | DD10-979SL391K500 | 390pF    | 500V | SL   |       |
| C 6037           | K26270030 | CERAMIC CAP.     | DD05-979SL510K500 | 51p      | 500V | SL   |       |
| C 6038           | K26270042 | CERAMIC CAP.     | DD07-979SL161K500 | 160p     | 500V | SL   |       |
| C 6039           | K28179002 | CERAMIC CAP.     | UP050F473Z-A-B    | 0.047uF  | 50V  | F    |       |
| C 6040           | K28179002 | CERAMIC CAP.     | UP050F473Z-A-B    | 0.047uF  | 50V  | F    |       |
| C 6041           | K26270037 | CERAMIC CAP.     | DD06-979SL101K500 | 100pF    | 500V | SL   |       |
| C 6042           | K26270128 | CERAMIC CAP.     | DD07-979CH470J500 | 47pF     | 500V | CH   |       |
| C 6043           | K26270041 | CERAMIC CAP.     | DD07-979SL151K500 | 150pF    | 500V | SL   |       |
| C 6044           | K26270035 | CERAMIC CAP.     | DD06-979SL820K500 | 82pF     | 500V | SL   |       |
| C 6045           | K26270112 | CERAMIC CAP.     | DD05-979CH100D500 | 10pF     | 500V | CH   |       |
| C 6046           | K26270038 | CERAMIC CAP.     | DD07-979SL111K500 | 110p     | 500V | SL   |       |
| C 6047           | K28179002 | CERAMIC CAP.     | UP050F473Z-A-B    | 0.047uF  | 50V  | F    |       |
| C 6048           | K28179002 | CERAMIC CAP.     | UP050F473Z-A-B    | 0.047uF  | 50V  | F    |       |
| C 6049           | K26270033 | CERAMIC CAP.     | DD05-979SL680K500 | 68pF     | 500V | SL   |       |

# LPF Unit

| REF.   | YAESU P/N | DESCRIPTION       | MFGR'S DESIG      | VALUE   | WV   | TOL. | VERS. |
|--------|-----------|-------------------|-------------------|---------|------|------|-------|
| C 6050 | K26270120 | CERAMIC CAP.      | DD05-979CH220J500 | 22pF    | 500V | CH   |       |
| C 6051 | K26270042 | CERAMIC CAP.      | DD07-979SL161K500 | 160p    | 500V | SL   |       |
| C 6052 | K26270015 | CERAMIC CAP.      | DD05-979SL120K500 | 12pF    | 500V | SL   |       |
| C 6053 | K26270035 | CERAMIC CAP.      | DD06-979SL820K500 | 82pF    | 500V | SL   |       |
| C 6054 | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B    | 0.047uF | 50V  | F    |       |
| C 6055 | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B    | 0.047uF | 50V  | F    |       |
| C 6056 | K26171043 | CERAMIC CAP.      | DD108-979SL391J50 | 390pF   | 50V  | SL   |       |
| C 6059 | K26170657 | CERAMIC CAP.      | DD106-979F103Z50  | 0.01uF  | 50V  | F    |       |
| C 6060 | K26170657 | CERAMIC CAP.      | DD106-979F103Z50  | 0.01uF  | 50V  | F    |       |
| C 6061 | K26170657 | CERAMIC CAP.      | DD106-979F103Z50  | 0.01uF  | 50V  | F    |       |
| C 6062 | K26170657 | CERAMIC CAP.      | DD106-979F103Z50  | 0.01uF  | 50V  | F    |       |
| C 6063 | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B    | 0.047uF | 50V  | F    |       |
| C 6064 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V  | Y    |       |
| C 6065 | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF    | 50V  |      |       |
| C 6066 | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B    | 0.047uF | 50V  | F    |       |
| C 6067 | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B    | 0.047uF | 50V  | F    |       |
| C 6068 | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B    | 0.047uF | 50V  | F    |       |
| C 6069 | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B    | 0.047uF | 50V  | F    |       |
| C 6070 | K28179001 | CERAMIC CAP.      | UP050B102K-A-B    | 0.001uF | 50V  | B    |       |
| C 6071 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V  | Y    |       |
| C 6072 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V  | Y    |       |
| C 6073 | K28179001 | CERAMIC CAP.      | UP050B102K-A-B    | 0.001uF | 50V  | B    |       |
| C 6074 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V  | Y    |       |
| C 6075 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V  | Y    |       |
| C 6076 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V  | Y    |       |
| C 6077 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V  | Y    |       |
| C 6078 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V  | Y    |       |
| C 6079 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V  | Y    |       |
| C 6080 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V  | Y    |       |
| C 6081 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V  | Y    |       |
| C 6082 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V  | Y    |       |
| C 6083 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V  | Y    |       |
| C 6084 | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V  | Y    |       |
|        |           |                   |                   |         |      |      |       |
| D 6001 | G2060004  | DIODE             | 1SS270TJ          |         |      |      |       |
| D 6002 | G2090223  | DIODE             | 1SS101            |         |      |      |       |
| D 6003 | G2090223  | DIODE             | 1SS101            |         |      |      |       |
| D 6004 | G2090223  | DIODE             | 1SS101            |         |      |      |       |
| D 6005 | G2090223  | DIODE             | 1SS101            |         |      |      |       |
| D 6006 | G2060004  | DIODE             | 1SS270TJ          |         |      |      |       |
| D 6007 | Q9000375  | SURGE ABSORBER    | DSP201M-S00B      |         |      |      |       |
| D 6008 | G2060004  | DIODE             | 1SS270TJ          |         |      |      |       |
| D 6009 | G2060004  | DIODE             | 1SS270TJ          |         |      |      |       |
| D 6010 | G2060004  | DIODE             | 1SS270TJ          |         |      |      |       |
| D 6011 | G2060004  | DIODE             | 1SS270TJ          |         |      |      |       |
| D 6012 | G2090242  | DIODE             | HZ5B              |         |      |      |       |
| D 6013 | G2050007  | DIODE             | 1SS83RE           |         |      |      |       |
|        |           |                   |                   |         |      |      |       |
| J 6001 | P1090255  | CONNECTOR         | TMP-J01X-A2       |         |      |      |       |
| J 6002 | P1090210  | CONNECTOR         | TMP-J01X-V6       |         |      |      |       |
| J 6003 | P1090210  | CONNECTOR         | TMP-J01X-V6       |         |      |      |       |
| J 6006 | P1090210  | CONNECTOR         | TMP-J01X-V6       |         |      |      |       |
|        |           |                   |                   |         |      |      |       |
| JP6001 | T9206013  | WIRE-ASSY         |                   |         |      |      |       |
| JP6002 | T9206014  | WIRE-ASSY         |                   |         |      |      |       |

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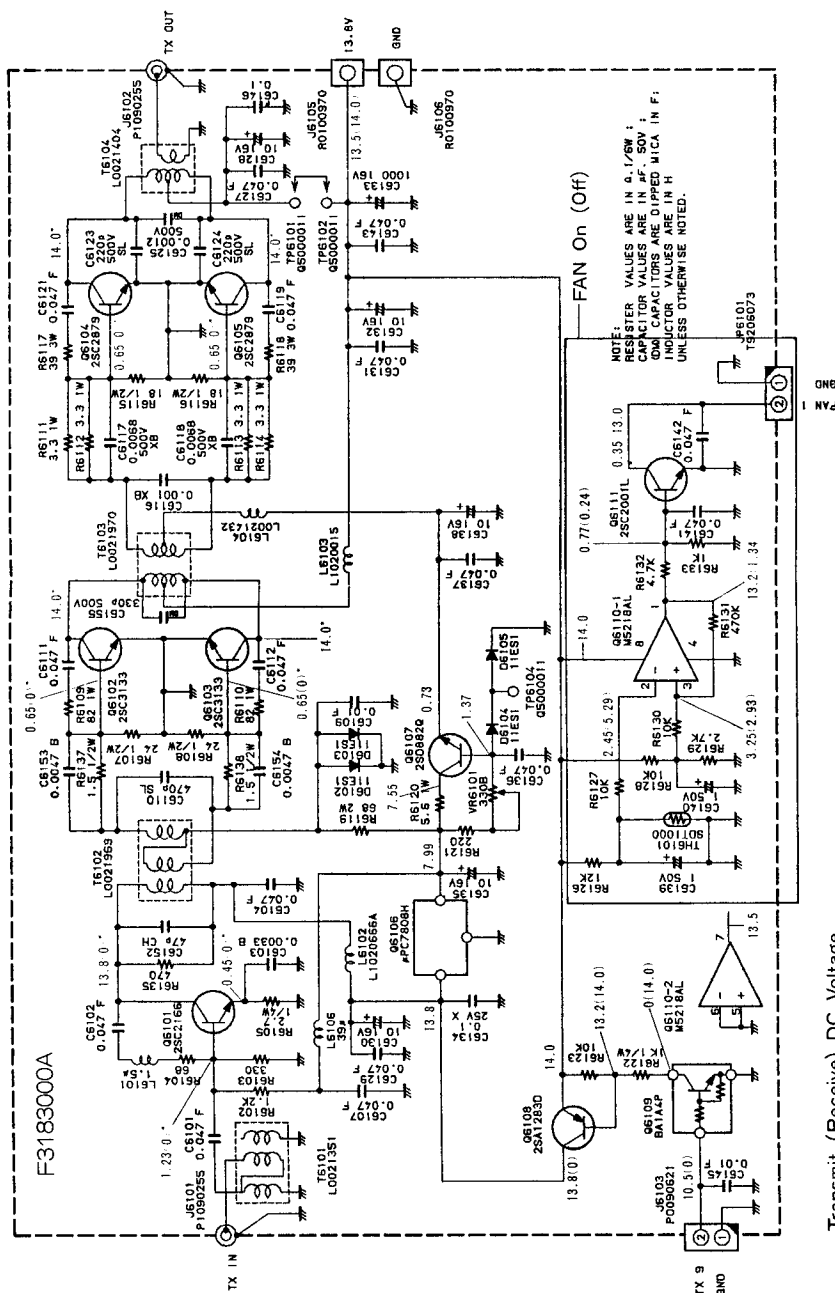
| REF.   | YAESU P/N | DESCRIPTION      | MFGR'S DESIG     | VALUE | WV   | TOL.  | VERS. |
|--------|-----------|------------------|------------------|-------|------|-------|-------|
| JP6004 | T9206015  | WIRE-ASSY        |                  |       |      |       |       |
| JP6005 | T9317875  | WIRE-ASSY        |                  |       |      |       |       |
| L 6001 | L0021405  | COIL             | 3.770U T50-2     |       |      |       |       |
| L 6002 | L0021406  | COIL             | 2.940U T50-2     |       |      |       |       |
| L 6003 | L0020615  | COIL             | 1.900U T50-2     |       |      |       |       |
| L 6004 | L0021433  | COIL             | 2.400U T-50-2    |       |      |       |       |
| L 6005 | L0020617  | COIL             | 1.100U T50-6     |       |      |       |       |
| L 6006 | L0020618  | COIL             | 1.320U T50-6     |       |      |       |       |
| L 6007 | L0022097  | COIL             | 0.90U T50-6      |       |      |       |       |
| L 6008 | L0022096  | COIL             | 0.76U T50-6      |       |      |       |       |
| L 6009 | L0022095  | COIL             | 0.65U T50-6      |       |      |       |       |
| L 6010 | L0022094  | COIL             | 0.55U T50-6      |       |      |       |       |
| L 6011 | L0021855  | COIL             | 8.0T8.5DO.9UEW R |       |      |       |       |
| L 6012 | L0021856  | COIL             | 9.0T8.5DO.9UEW R |       |      |       |       |
| L 6013 | L0021857  | COIL             | 6.0T8.0DO.8UEW R |       |      |       |       |
| L 6014 | L0021858  | COIL             | 7.0T8.5DO.9UEW R |       |      |       |       |
| L 6015 | L0021956  | COIL             | U 2001F FR9.5    |       |      |       |       |
| L 6016 | L1790164  | M. RFC           | LAL03VB102K      | 1mH   |      |       |       |
| L 6017 | L1790164  | M. RFC           | LAL03VB102K      | 1mH   |      |       |       |
| L 6018 | L0021219  | COIL             | 1.890U 250L FR14 |       |      |       |       |
| L 6019 | L1790164  | M. RFC           | LAL03VB102K      | 1mH   |      |       |       |
| Q 6001 | G3304580B | TRANSISTOR       | 2SC458B          |       |      |       |       |
| Q 6002 | G1090088  | IC               | MC14028BCP       |       |      |       |       |
| Q 6003 | G1090721  | IC               | M54563P          |       |      |       |       |
| Q 6004 | G1090536  | IC               | UPC393C          |       |      |       |       |
| R 6001 | J22335101 | METAL FILM RES.  | ERG-2SJ101       | 100   | 2W   |       |       |
| R 6002 | J07225223 | CARBON FILM RES. | RD16TPJ223       | 22K   | 1/6W |       |       |
| R 6003 | J07225104 | CARBON FILM RES. | RD16TPJ104       | 100K  | 1/6W |       |       |
| R 6004 | J07225102 | CARBON FILM RES. | RD16TPJ102       | 1K    | 1/6W |       |       |
| R 6005 | J07225104 | CARBON FILM RES. | RD16TPJ104       | 100K  | 1/6W |       |       |
| R 6006 | J07225104 | CARBON FILM RES. | RD16TPJ104       | 100K  | 1/6W |       |       |
| R 6007 | J07225474 | CARBON FILM RES. | RD16TPJ474       | 470K  | 1/6W |       |       |
| R 6008 | J07225154 | CARBON FILM RES. | RD16TPJ154       | 150K  | 1/6W |       |       |
| R 6009 | J07225152 | CARBON FILM RES. | RD16TPJ152       | 1.5K  | 1/6W |       |       |
| R 6010 | J07225682 | CARBON FILM RES. | RD16TPJ682       | 6.8K  | 1/6W |       |       |
| R 6011 | J07225221 | CARBON FILM RES. | RD16TPJ221       | 220   | 1/6W |       |       |
| R 6012 | J07225103 | CARBON FILM RES. | RD16TPJ103       | 10K   | 1/6W |       |       |
| R 6013 | J07225102 | CARBON FILM RES. | RD16TPJ102       | 1K    | 1/6W |       |       |
| R 6014 | J07225103 | CARBON FILM RES. | RD16TPJ103       | 10K   | 1/6W |       |       |
| R 6015 | J07225473 | CARBON FILM RES. | RD16TPJ473       | 47K   | 1/6W |       |       |
| R 6016 | J21339003 | METAL FILM RES.  | ERG-2SJ390       | 39    | 2W   |       |       |
| R 6017 | J07225104 | CARBON FILM RES. | RD16TPJ104       | 100K  | 1/6W |       |       |
| R 6018 | J07225104 | CARBON FILM RES. | RD16TPJ104       | 100K  | 1/6W |       |       |
| R 6019 | J07225104 | CARBON FILM RES. | RD16TPJ104       | 100K  | 1/6W |       |       |
| R 6020 | J07225104 | CARBON FILM RES. | RD16TPJ104       | 100K  | 1/6W |       |       |
| RL6001 | M1190045  | RELAY            | AG2013           | DC12V |      | DC12V |       |
| RL6002 | M1190045  | RELAY            | AG2013           | DC12V |      | DC12V |       |
| RL6003 | M1190045  | RELAY            | AG2013           | DC12V |      | DC12V |       |
| RL6004 | M1190045  | RELAY            | AG2013           | DC12V |      | DC12V |       |
| RL6005 | M1190045  | RELAY            | AG2013           | DC12V |      | DC12V |       |
| RL6006 | M1190045  | RELAY            | AG2013           | DC12V |      | DC12V |       |

# LPF Unit

| REF.   | YAESU P/N | DESCRIPTION  | MFR'S DESIG |       | VALUE | WV    | TOL. | VERS. |
|--------|-----------|--------------|-------------|-------|-------|-------|------|-------|
| RL6007 | M1190045  | RELAY        | AG2013      | DC12V |       | DC12V |      |       |
| RL6008 | M1190045  | RELAY        | AG2013      | DC12V |       | DC12V |      |       |
| RL6009 | M1190045  | RELAY        | AG2013      | DC12V |       | DC12V |      |       |
| RL6010 | M1190045  | RELAY        | AG2013      | DC12V |       | DC12V |      |       |
| RL6011 | M1190045  | RELAY        | AG2013      | DC12V |       | DC12V |      |       |
| RL6012 | M1190045  | RELAY        | AG2013      | DC12V |       | DC12V |      |       |
| RL6013 | M1190045  | RELAY        | AG2013      | DC12V |       | DC12V |      |       |
| RL6014 | M1190045  | RELAY        | AG2013      | DC12V |       | DC12V |      |       |
| RL6015 | M1190023  | RELAY        | FBR321D012  | DC12V |       | DC12V |      |       |
| RL6016 | M1190005  | RELAY        | AE5343      | DC12V |       | DC12V |      |       |
| TC6001 | K91000020 | TRIMMER CAP. | ECV12W20X40 |       | 20p   |       |      |       |

For Service Manuals Contact  
MAURITRON TECHNICAL SERVICES  
8 Cherry Tree Rd, Chinnor  
Oxon OX9 4QY  
Tel:- 01844-351694 Fax:- 01844-352554  
Email:- enquiries@mauritron.co.uk

# 100-W Power Amp (PA) Unit



Transmit (Receive) DC Voltage

Measuring Conditions

Frequency: 14.300MHz

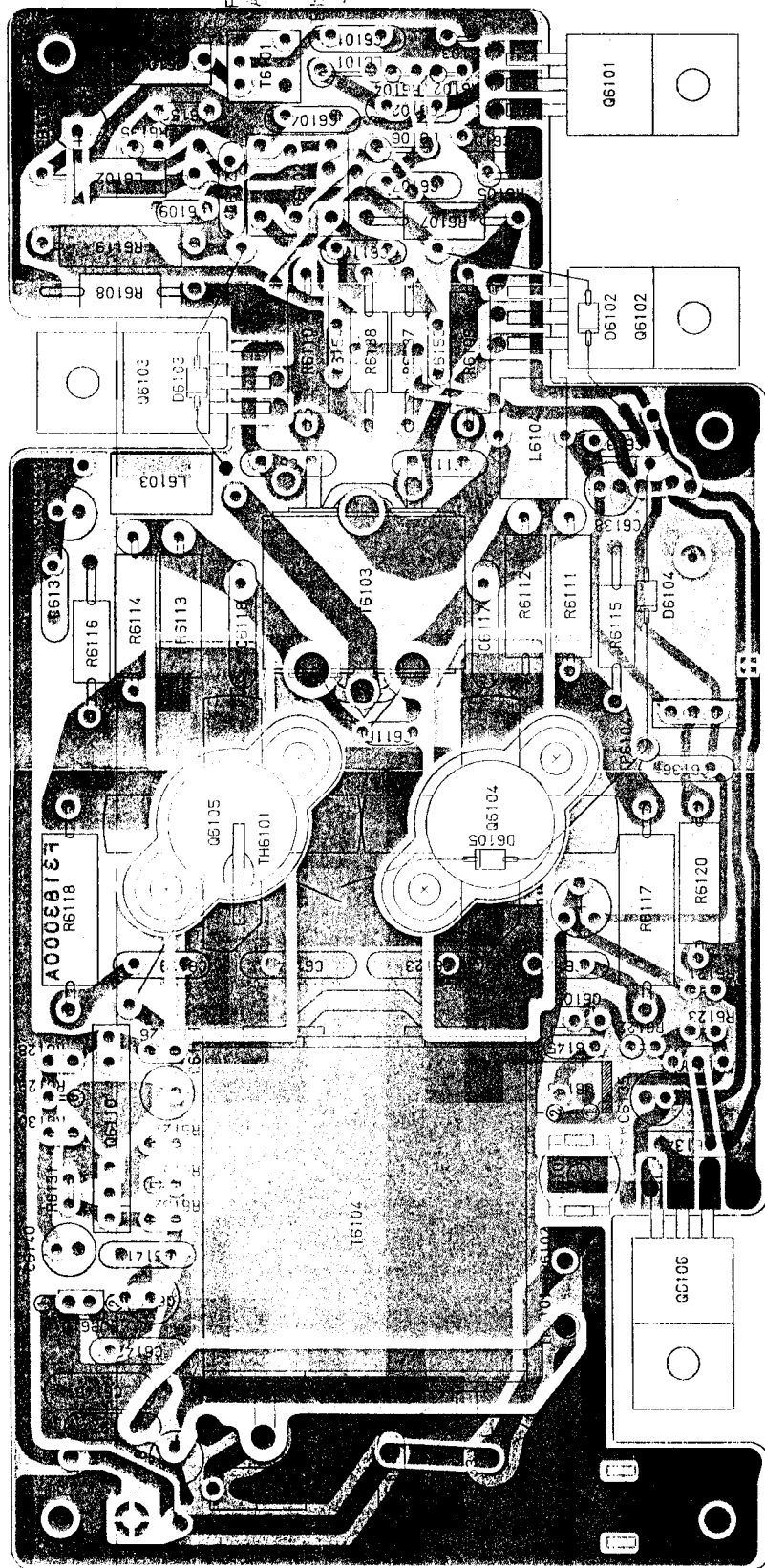
Mode: CW (RF Output: 100W)

\* TX & KEY jack Open

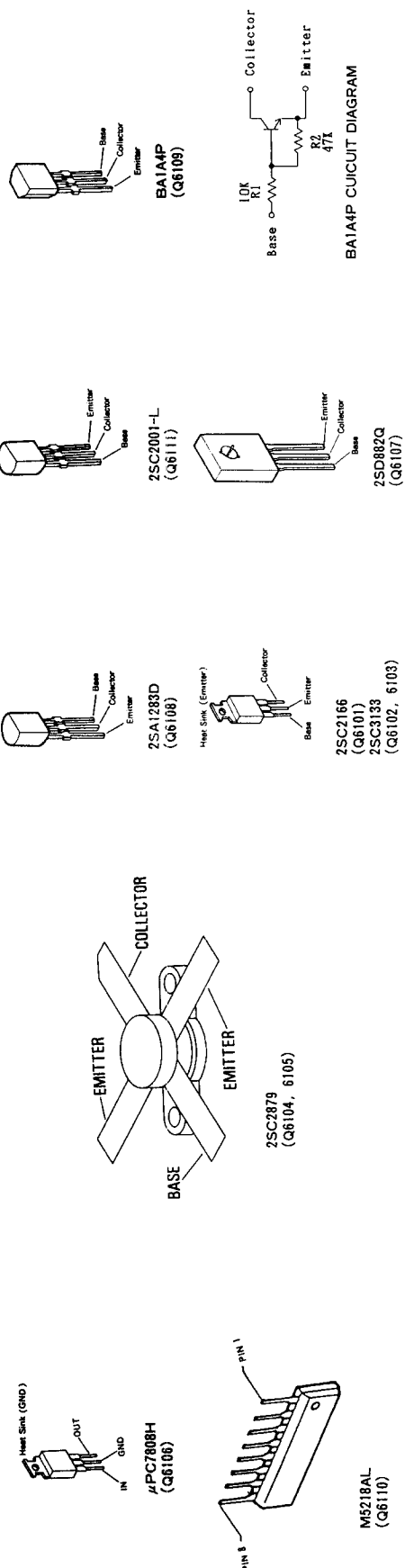
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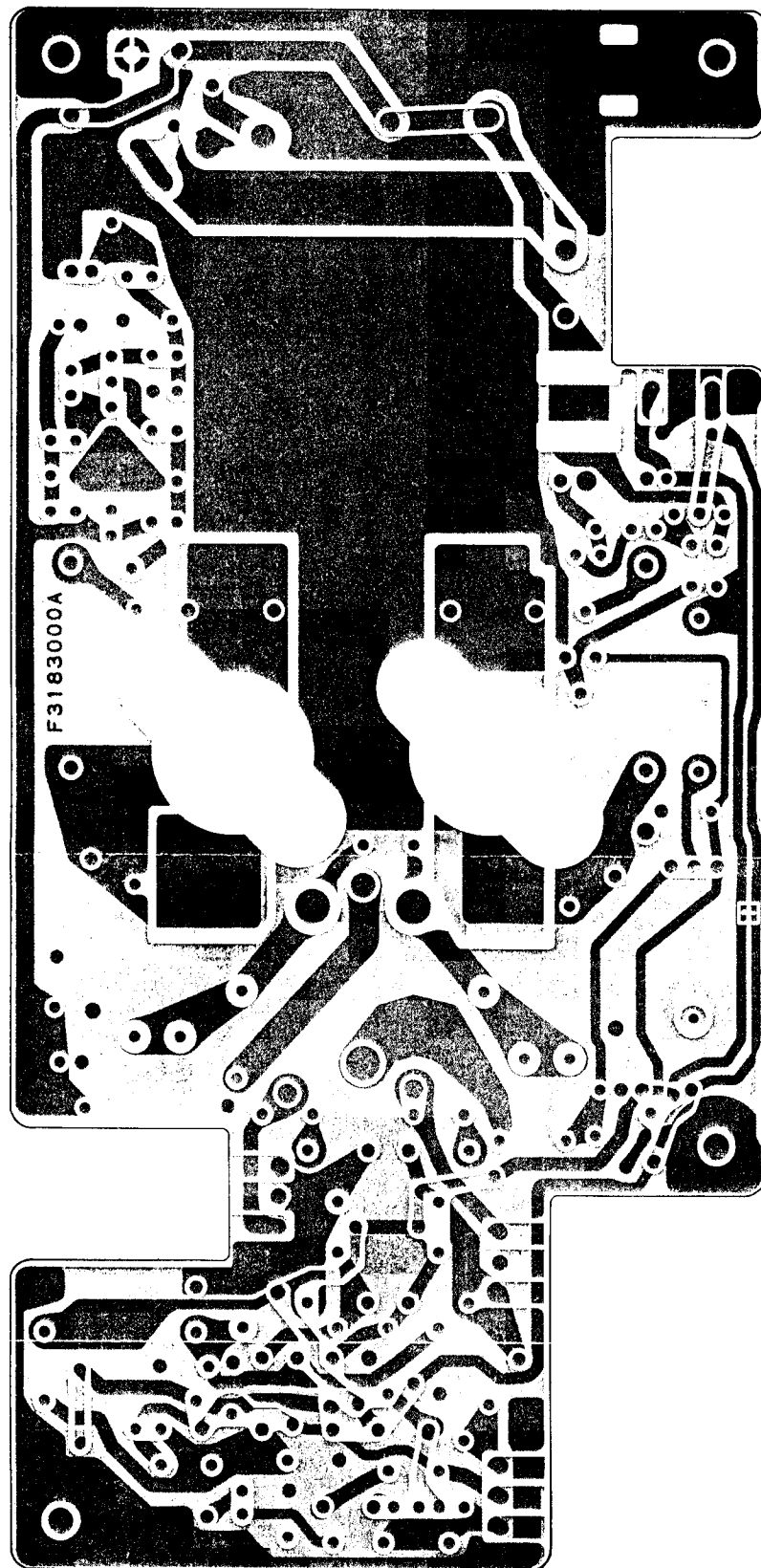
### 100-W Power Amp (PA) Unit

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Email: [enquiries@mauritron.co.uk](mailto:enquiries@mauritron.co.uk)



(“component” side)





("solder" side)



# 100-W Power Amp (PA) Unit

| REF.   | YAESU P/N | DESCRIPTION          | MFR'S DESIG      | VALUE    | WV   | TOL. | VERS. |
|--------|-----------|----------------------|------------------|----------|------|------|-------|
|        |           | *** 100W PA UNIT *** |                  |          |      |      |       |
|        | CS0963001 | P.C.B. W COMP.       |                  |          |      |      |       |
|        | F3183000A | P.C.B. W/O COMP.     |                  |          |      |      |       |
| C 6101 | K13179009 | CERAMIC CAP.         | DD110F473Z50     | 0.047uF  | 50V  | F    |       |
| C 6102 | K13179009 | CERAMIC CAP.         | DD110F473Z50     | 0.047uF  | 50V  | F    |       |
| C 6103 | K10176332 | CERAMIC CAP.         | DD107B332K50     | 0.0033uF | 50V  | B    |       |
| C 6104 | K13179009 | CERAMIC CAP.         | DD110F473Z50     | 0.047uF  | 50V  | F    |       |
| C 6107 | K13179009 | CERAMIC CAP.         | DD110F473Z50     | 0.047uF  | 50V  | F    |       |
| C 6109 | K13179008 | CERAMIC CAP.         | DD106F103Z50     | 0.01uF   | 50V  | F    |       |
| C 6110 | K00175471 | CERAMIC CAP.         | DD109SL471J50    | 470pF    | 50V  | SL   |       |
| C 6111 | K13179009 | CERAMIC CAP.         | DD110F473Z50     | 0.047uF  | 50V  | F    |       |
| C 6112 | K13179009 | CERAMIC CAP.         | DD110F473Z50     | 0.047uF  | 50V  | F    |       |
| C 6116 | K10179014 | CERAMIC CAP.         | CD050XB102K50    | 0.001uF  | 50V  | XB   |       |
| C 6117 | K10276682 | CERAMIC CAP.         | CD130XB682K500   | 0.0068uF | 500V | XB   |       |
| C 6118 | K10276682 | CERAMIC CAP.         | CD130XB682K500   | 0.0068uF | 500V | XB   |       |
| C 6119 | K13179009 | CERAMIC CAP.         | DD110F473Z50     | 0.047uF  | 50V  | F    |       |
| C 6121 | K13179009 | CERAMIC CAP.         | DD110F473Z50     | 0.047uF  | 50V  | F    |       |
| C 6123 | K00275221 | CERAMIC CAP.         | DD12SL221J500    | 220pF    | 500V | SL   |       |
| C 6124 | K00275221 | CERAMIC CAP.         | DD12SL221J500    | 220pF    | 500V | SL   |       |
| C 6125 | K30279095 | MICA CAP.            | DM19D122J5       | 0.0012   | 500V |      |       |
| C 6127 | K13179009 | CERAMIC CAP.         | DD110F473Z50     | 0.047uF  | 50V  | F    |       |
| C 6128 | K40129004 | AL. ELECTRO. CAP.    | RE-16V100M       | 10uF     | 16V  |      |       |
| C 6129 | K13179009 | CERAMIC CAP.         | DD110F473Z50     | 0.047uF  | 50V  | F    |       |
| C 6130 | K40129004 | AL. ELECTRO. CAP.    | RE-16V100M       | 10uF     | 16V  |      |       |
| C 6131 | K13179009 | CERAMIC CAP.         | DD110F473Z50     | 0.047uF  | 50V  | F    |       |
| C 6132 | K40129004 | AL. ELECTRO. CAP.    | RE-16V100M       | 10uF     | 16V  |      |       |
| C 6133 | K40129021 | AL. ELECTRO. CAP.    | 16R102S 13X16    | 1000uF   | 16V  |      |       |
| C 6134 | K19149025 | CERAMIC CAP.         | UAT10X104K-L45AE | 0.1uF    | 25V  | X    |       |
| C 6135 | K40129004 | AL. ELECTRO. CAP.    | RE-16V100M       | 10uF     | 16V  |      |       |
| C 6136 | K13179009 | CERAMIC CAP.         | DD110F473Z50     | 0.047uF  | 50V  | F    |       |
| C 6137 | K13179009 | CERAMIC CAP.         | DD110F473Z50     | 0.047uF  | 50V  | F    |       |
| C 6138 | K40129004 | AL. ELECTRO. CAP.    | RE-16V100M       | 10uF     | 16V  |      |       |
| C 6139 | K40179013 | AL. ELECTRO. CAP.    | RE-50V010M       | 1uF      | 50V  |      |       |
| C 6140 | K40179013 | AL. ELECTRO. CAP.    | RE-50V010M       | 1uF      | 50V  |      |       |
| C 6141 | K13179009 | CERAMIC CAP.         | DD110F473Z50     | 0.047uF  | 50V  | F    |       |
| C 6142 | K13179009 | CERAMIC CAP.         | DD110F473Z50     | 0.047uF  | 50V  | F    |       |
| C 6143 | K13179009 | CERAMIC CAP.         | DD110F473Z50     | 0.047uF  | 50V  | F    |       |
| C 6145 | K13179008 | CERAMIC CAP.         | DD106F103Z50     | 0.01uF   | 50V  | F    |       |
| C 6146 | K50170001 | FILM CAP.            | ECQ-M1H104KZ     | 0.1      | 50V  |      |       |
| C 6152 | K02175470 | CERAMIC CAP.         | DD106CH470J50    | 47pF     | 50V  | CH   |       |
| C 6153 | K10179025 | CERAMIC CAP.         | CK45B1H472MYS    | 0.0047uF | 50V  | B    |       |
| C 6154 | K10179025 | CERAMIC CAP.         | CK45B1H472MYS    | 0.0047uF | 50V  | B    |       |
| C 6155 | K30276331 | MICA CAP.            | LCQ17331K5       | 330pF    | 500V |      |       |
| D 6102 | G2090499  | DIODE                | 11ES1            |          |      |      |       |
| D 6103 | G2090499  | DIODE                | 11ES1            |          |      |      |       |
| D 6104 | G2090499  | DIODE                | 11ES1            |          |      |      |       |
| D 6105 | G2090499  | DIODE                | 11ES1            |          |      |      |       |
| J 6101 | P1090255  | CONNECTOR            | TMP-J01X-A2      |          |      |      |       |
| J 6102 | P1090255  | CONNECTOR            | TMP-J01X-A2      |          |      |      |       |
| J 6103 | P0090621  | CONNECTOR            | SC25-02WS        |          |      |      |       |

# 100-W Power Amp (PA) Unit

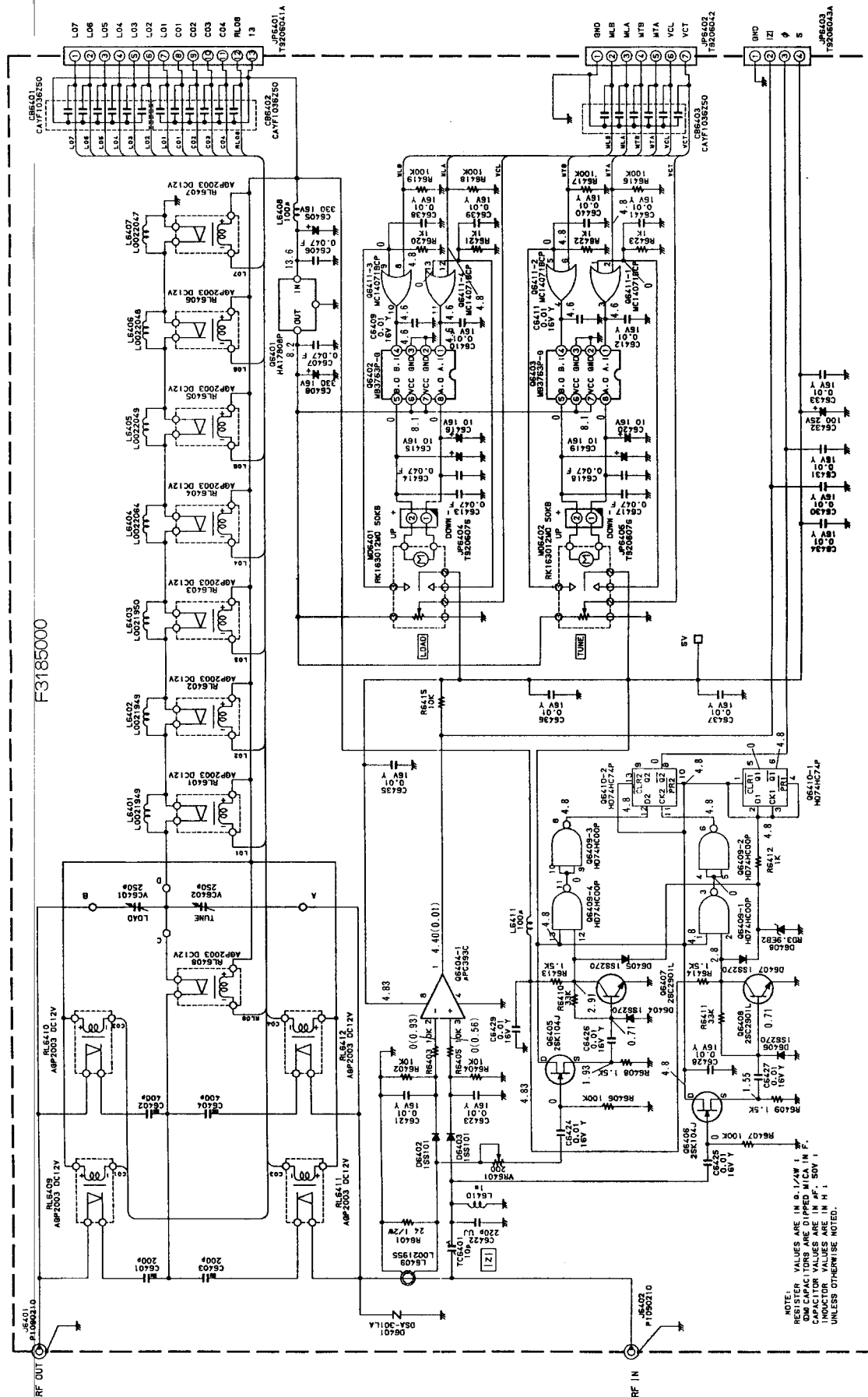
| REF.   | YAESU P/N | DESCRIPTION      | MFGR'S DESIG      | VALUE | WV   | TOL. | VERS. |
|--------|-----------|------------------|-------------------|-------|------|------|-------|
| J 6105 | R0100970  | TERMINAL         |                   |       |      |      |       |
| J 6106 | R0100970  | TERMINAL         |                   |       |      |      |       |
| JP6101 | T9206073  | WIRE-ASSY        |                   |       |      |      |       |
| L 6101 | L1790130  | M. RFC           | LAL03VB1R5M       | 1.5u  |      |      |       |
| L 6102 | L1020666A | RFC              | 43T0.16 4X9CB-20  |       |      |      |       |
| L 6103 | L1020015  | RFC              | FB-43-5111        |       |      |      |       |
| L 6104 | L0021432  | COIL             | 41.00U 3A FR9.5-5 |       |      |      |       |
| L 6106 | L1790147  | M. RFC           | LAL03VB390K       | 39uH  |      |      |       |
| Q 6101 | G3321660  | TRANSISTOR       | 2SC2166           |       |      |      |       |
| Q 6102 | G3090086  | TRANSISTOR       | 2SC3133-21        |       |      |      |       |
| Q 6103 | G3090086  | TRANSISTOR       | 2SC3133-21        |       |      |      |       |
| Q 6104 | G3328790  | TRANSISTOR       | 2SC2879           |       |      |      |       |
| Q 6105 | G3328790  | TRANSISTOR       | 2SC2879           |       |      |      |       |
| Q 6106 | G1090294  | IC               | UPC7808H          |       |      |      |       |
| Q 6107 | G3408820Q | TRANSISTOR       | 2SD882Q           |       |      |      |       |
| Q 6108 | G3112830D | TRANSISTOR       | 2SA1283D          |       |      |      |       |
| Q 6109 | G3090079  | TRANSISTOR       | BA1A4P            |       |      |      |       |
| Q 6110 | G1091140  | IC               | M5218AL           |       |      |      |       |
| Q 6111 | G3320010L | TRANSISTOR       | 2SC2001-L         |       |      |      |       |
| R 6102 | J02225122 | CARBON FILM RES. | RD16UJ122         | 1.2K  | 1/6W |      |       |
| R 6103 | J02225331 | CARBON FILM RES. | RD16UJ331         | 330   | 1/6W |      |       |
| R 6104 | J02225680 | CARBON FILM RES. | RD16UJ680         | 68    | 1/6W |      |       |
| R 6105 | J02245279 | CARBON FILM RES. | RD14SJ2R7         | 2.7   | 1/4W |      |       |
| R 6107 | J01275240 | CARBON FILM RES. | RD12TJ240         | 24    | 1/2W |      |       |
| R 6108 | J01275240 | CARBON FILM RES. | RD12TJ240         | 24    | 1/2W |      |       |
| R 6109 | J20306820 | METAL FILM RES.  | RS1B 1W K         | 82    | 1W   |      |       |
| R 6110 | J20306820 | METAL FILM RES.  | RS1B 1W K         | 82    | 1W   |      |       |
| R 6111 | J20306339 | METAL FILM RES.  | RS1B 1W K         | 3.3   | 1W   |      |       |
| R 6112 | J20306339 | METAL FILM RES.  | RS1B 1W K         | 3.3   | 1W   |      |       |
| R 6113 | J20306339 | METAL FILM RES.  | RS1B 1W K         | 3.3   | 1W   |      |       |
| R 6114 | J20306339 | METAL FILM RES.  | RS1B 1W K         | 3.3   | 1W   |      |       |
| R 6115 | J01275180 | CARBON FILM RES. | RD12TJ180         | 18    | 1/2W |      |       |
| R 6116 | J01275180 | CARBON FILM RES. | RD12TJ180         | 18    | 1/2W |      |       |
| R 6117 | J22359001 | METAL FILM RES.  | ERG-3SJ390        | 39    | 3W   |      |       |
| R 6118 | J22359001 | METAL FILM RES.  | ERG-3SJ390        | 39    | 3W   |      |       |
| R 6119 | J21339004 | METAL FILM RES.  | ERG-2SJ680        | 68    | 2W   |      |       |
| R 6120 | J20306569 | METAL FILM RES.  | RS1B 1W K         | 5.6   | 1W   |      |       |
| R 6121 | J02225221 | CARBON FILM RES. | RD16UJ221         | 220   | 1/6W |      |       |
| R 6122 | J02245102 | CARBON FILM RES. | RD14SJ102         | 1K    | 1/4W |      |       |
| R 6123 | J02225103 | CARBON FILM RES. | RD16UJ103         | 10K   | 1/6W |      |       |
| R 6126 | J02225123 | CARBON FILM RES. | RD16UJ123         | 12K   | 1/6W |      |       |
| R 6127 | J02225103 | CARBON FILM RES. | RD16UJ103         | 10K   | 1/6W |      |       |
| R 6128 | J02225103 | CARBON FILM RES. | RD16UJ103         | 10K   | 1/6W |      |       |
| R 6129 | J02225272 | CARBON FILM RES. | RD16UJ272         | 2.7K  | 1/6W |      |       |
| R 6130 | J02225103 | CARBON FILM RES. | RD16UJ103         | 10K   | 1/6W |      |       |
| R 6131 | J02225474 | CARBON FILM RES. | RD16UJ474         | 470K  | 1/6W |      |       |
| R 6132 | J02225472 | CARBON FILM RES. | RD16UJ472         | 4.7K  | 1/6W |      |       |
| R 6133 | J02225102 | CARBON FILM RES. | RD16UJ102         | 1K    | 1/6W |      |       |
| R 6135 | J02225471 | CARBON FILM RES. | RD16UJ471         | 470   | 1/6W |      |       |
| R 6137 | J01275159 | CARBON FILM RES. | RD12TJ1R5         | 1.5   | 1/2W |      |       |
| R 6138 | J01275159 | CARBON FILM RES. | RD12TJ1R5         | 1.5   | 1/2W |      |       |

For Service Manuals Contact  
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 Email:- enquiries@mauritron.co.uk

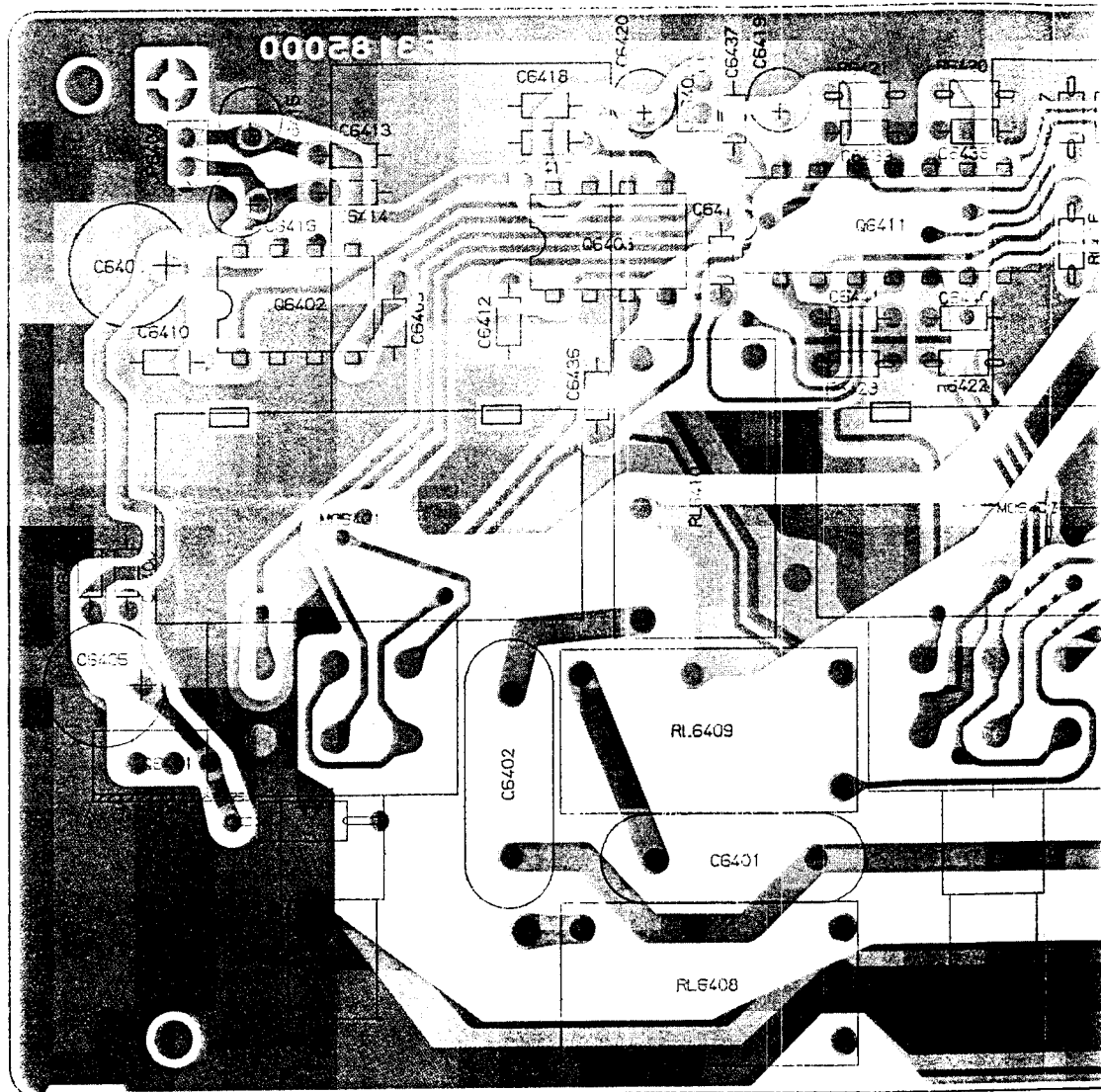
# 100-W Power Amp (PA) Unit

| REF.   | YAESU P/N | DESCRIPTION       | MFGR'S DESIG   | VALUE | WV | TOL. | VERS. |
|--------|-----------|-------------------|----------------|-------|----|------|-------|
| T 6101 | L0021351  | COIL              | 4-1 2001F FR6  |       |    |      |       |
| T 6102 | L0021969  | COIL              | - 3A6 RIB3X7   |       |    |      |       |
| T 6103 | L0021970  | COIL              | D12A RIB10X    |       |    |      |       |
| T 6104 | L0021404  | COIL              | D12A RIB16     |       |    |      |       |
| TH6101 | G9090011  | THERMISTOR        | SDT1000        |       |    |      |       |
| TP6101 | Q5000011  | WRAPPING TERMINAL | C              |       |    |      |       |
| TP6102 | Q5000011  | WRAPPING TERMINAL | C              |       |    |      |       |
| TP6104 | Q5000011  | WRAPPING TERMINAL | C              |       |    |      |       |
| VR6101 | J51745331 | POT.              | H0651A004-330B | 330   |    | B    |       |
|        | R0103760  | TR HEATSINK       |                |       |    |      |       |

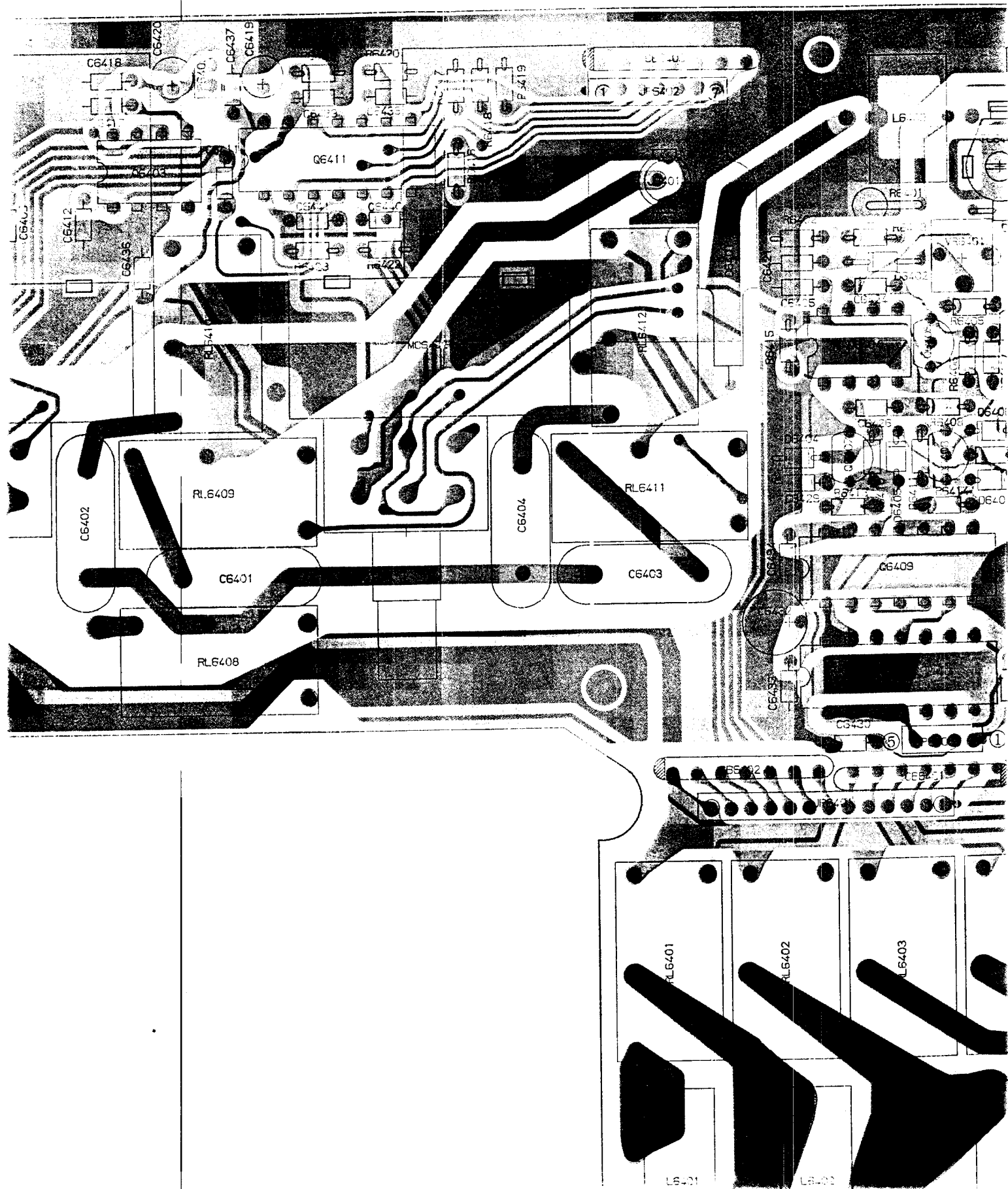
# Tuner Main Unit

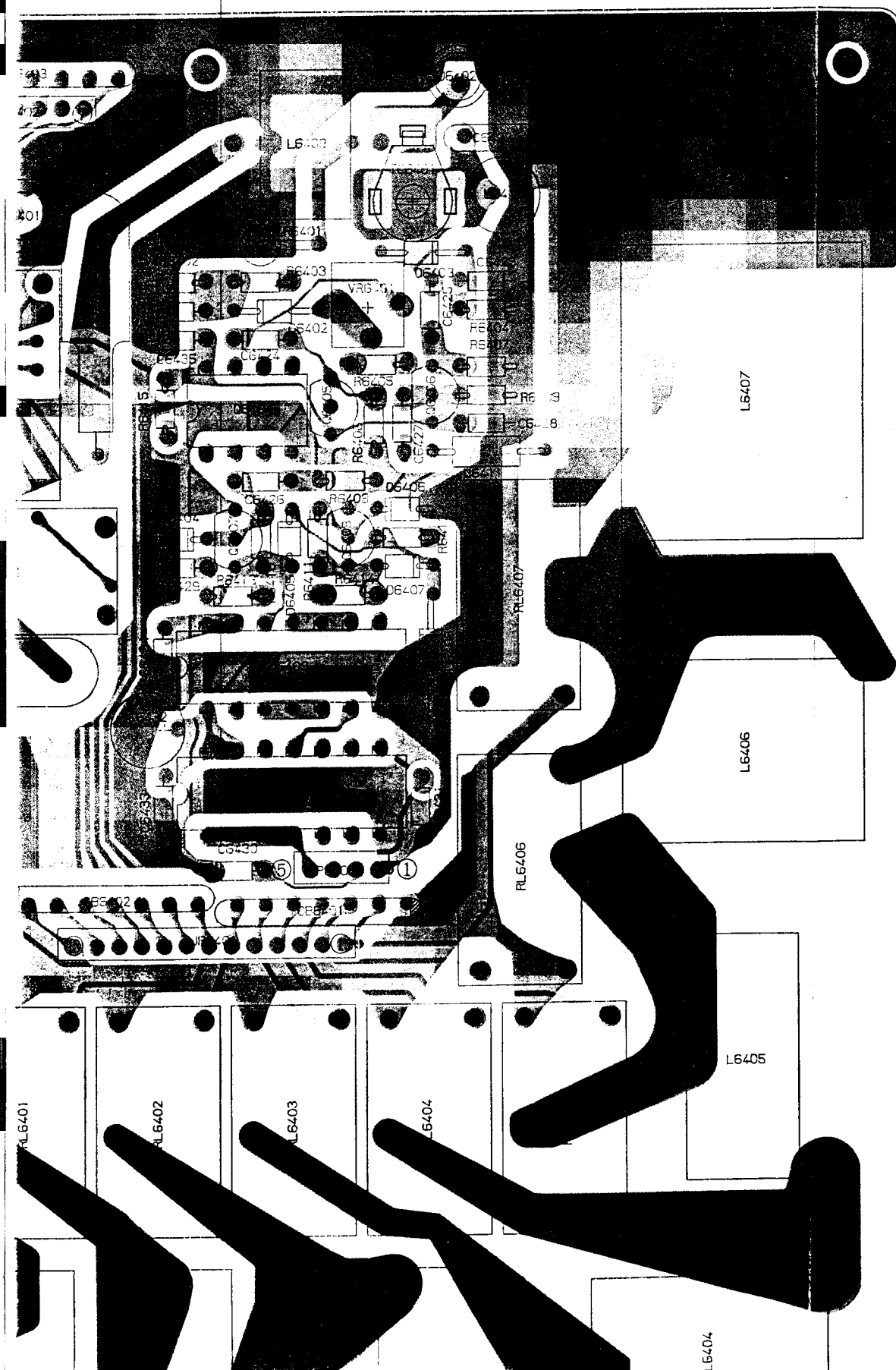


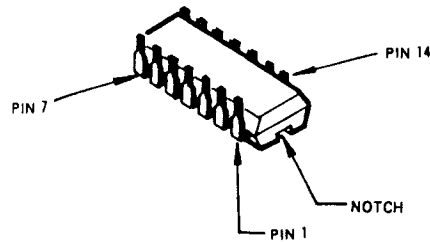
TUNER Off (On, after tuning) DC Voltage  
Measuring Conditions  
Frequency: 14.200MHz  
Mode: CW



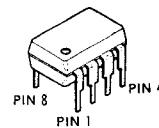
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 Email:- [enquiries@mauritron.co.uk](mailto:enquiries@mauritron.co.uk)



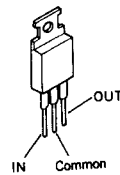




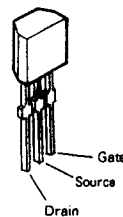
HD74HC00P  
(Q6409)  
HD74HC74P  
(Q6410)  
MC14071BCP  
(Q6411)



MB3763  
(Q6402, 6403)  
 $\mu$ PC393C  
(Q6404)



HA17808P  
(Q6401)



2SK104J  
(Q6405, 6406)

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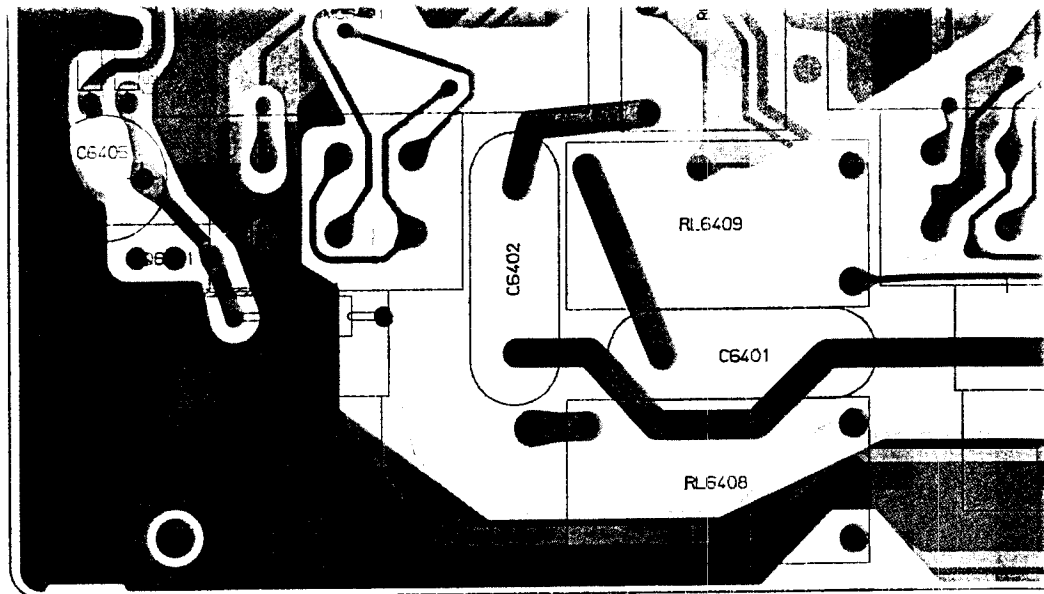
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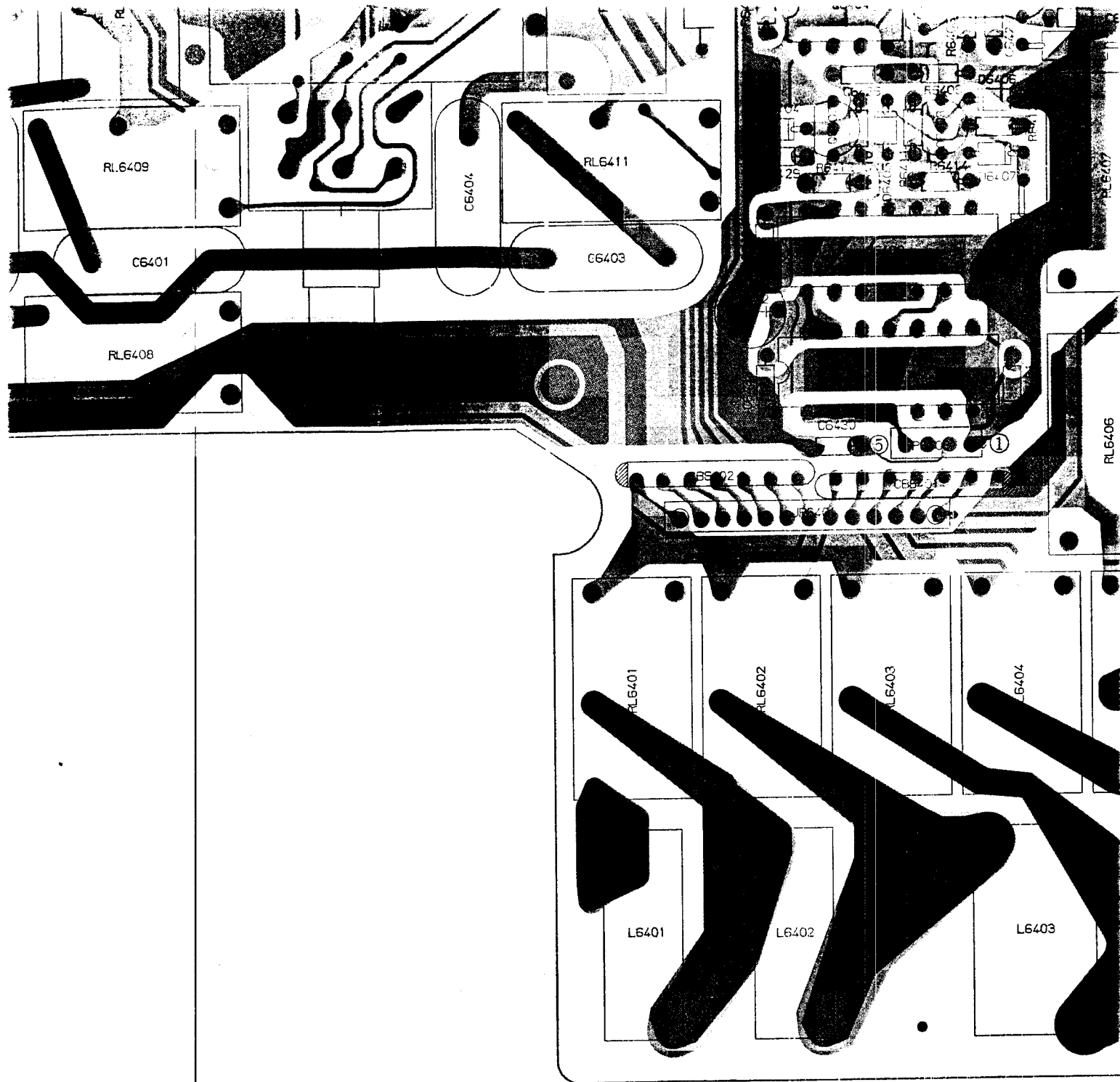
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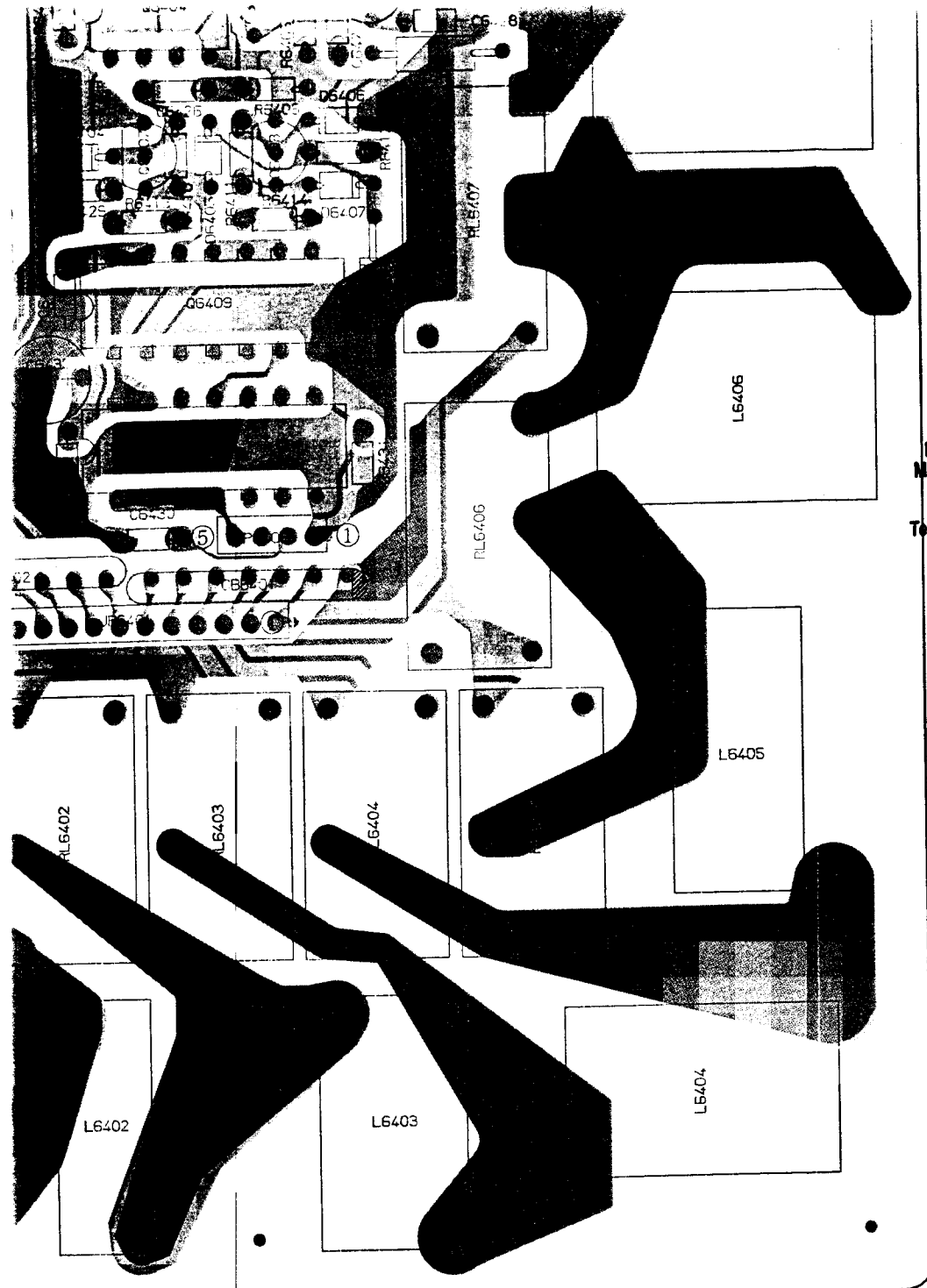
L6405

L6404



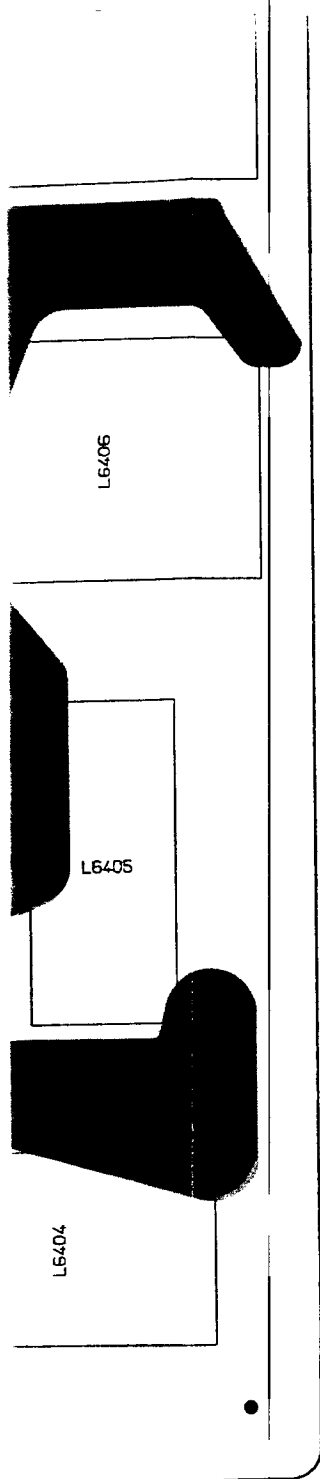




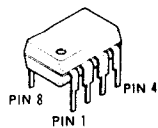


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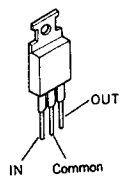
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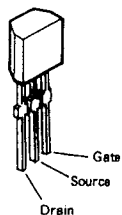
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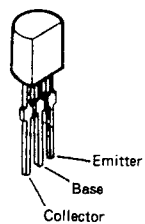
MB3763  
(Q6402, 6403)  
 $\mu$ PC393C  
(Q6404)



HA17808P  
(Q6401)



2SK104J  
(Q6405, 6406)

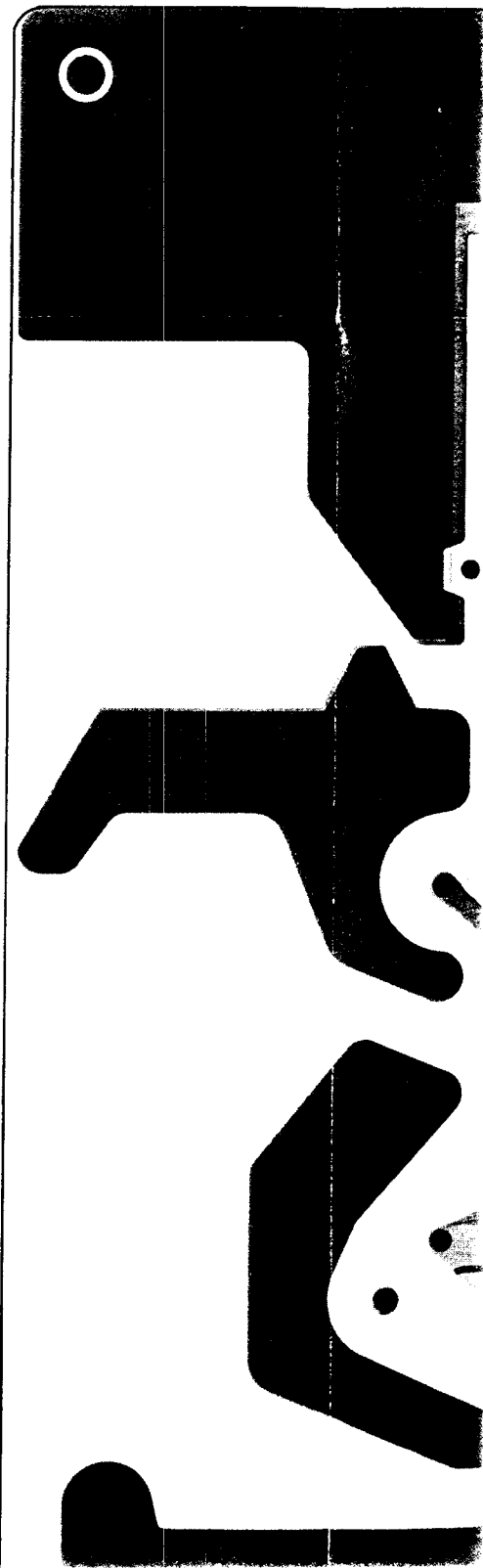


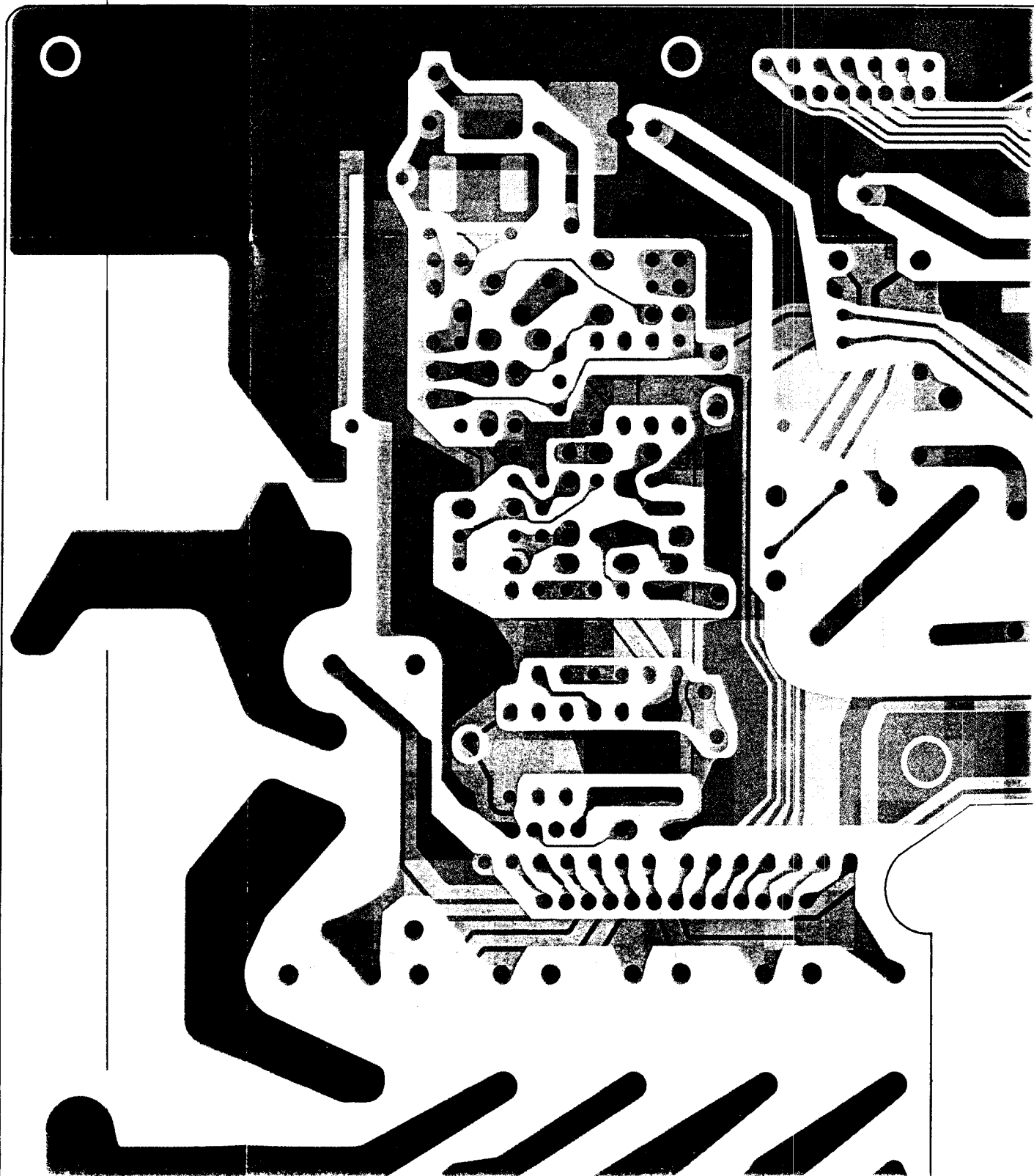
2SC2901L  
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# Tuner Main Unit

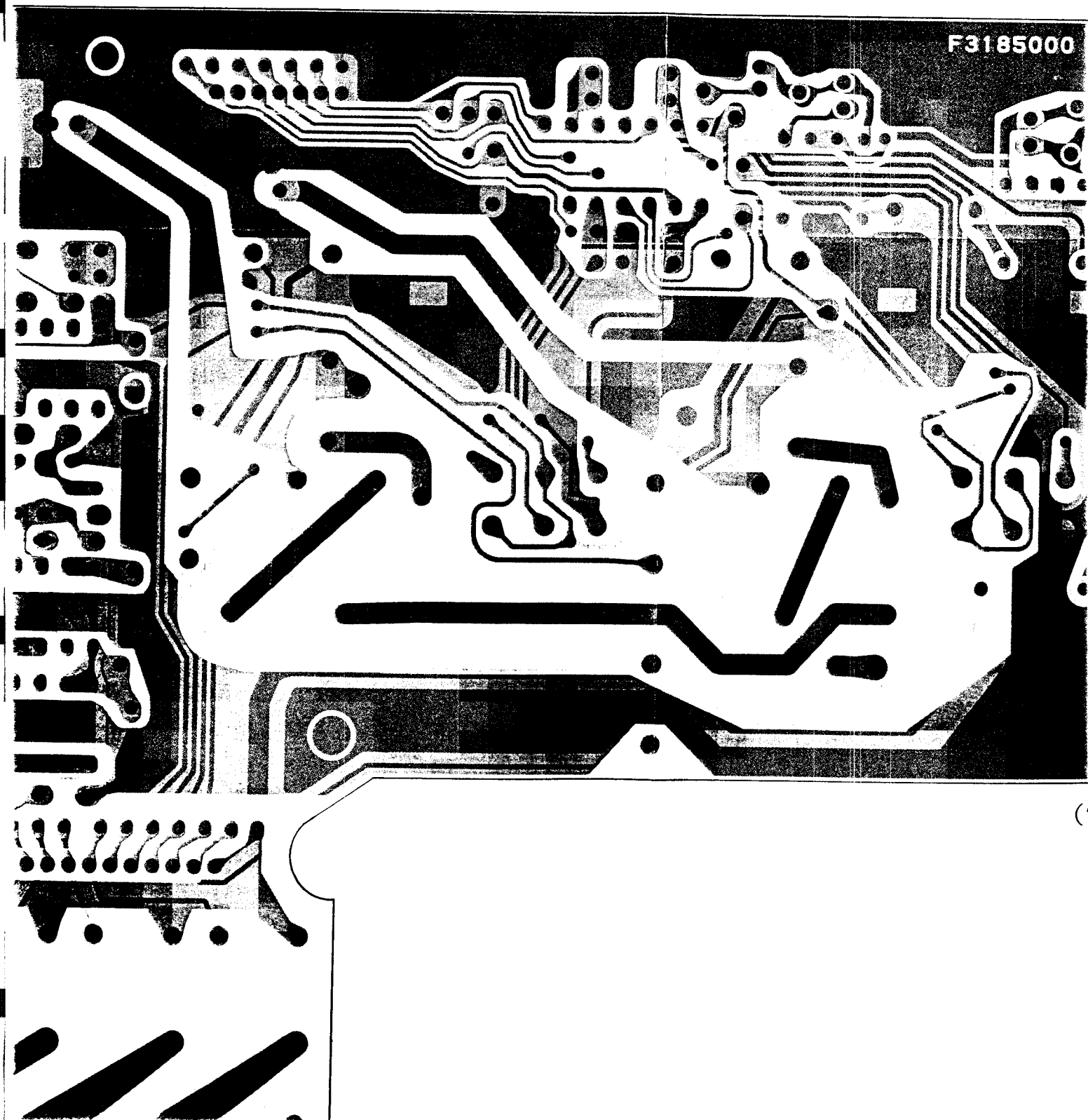
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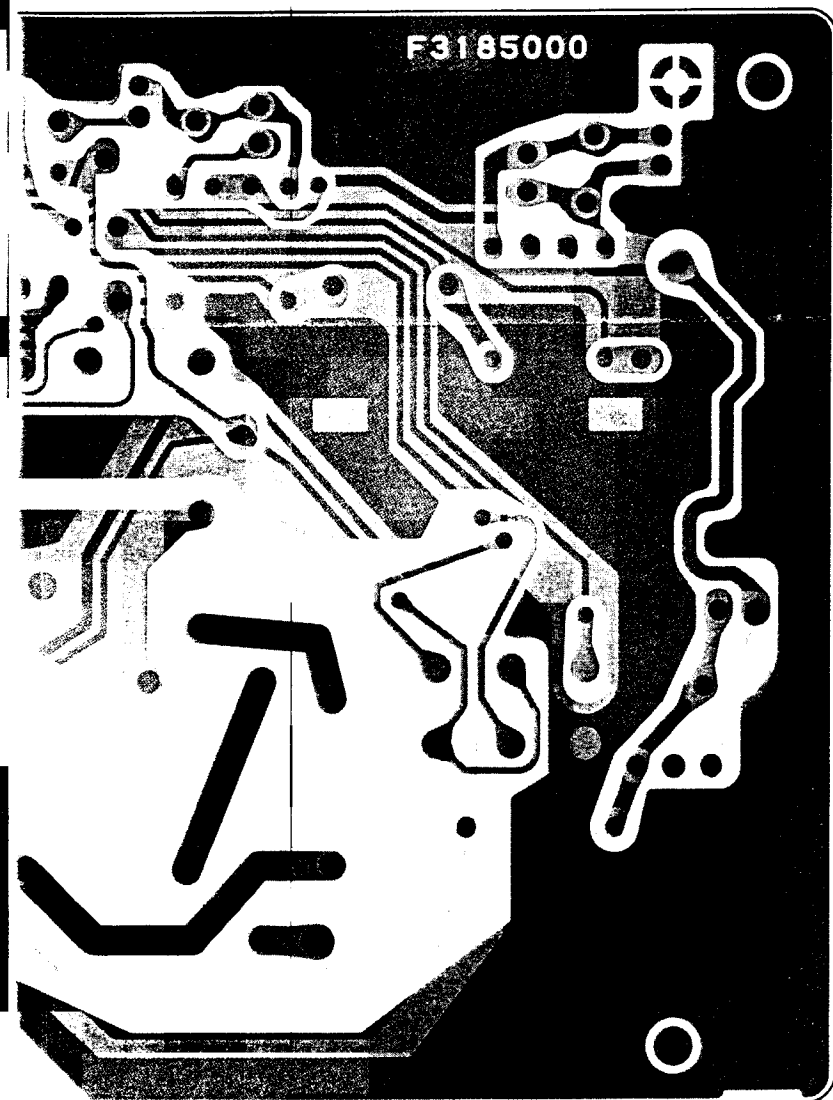
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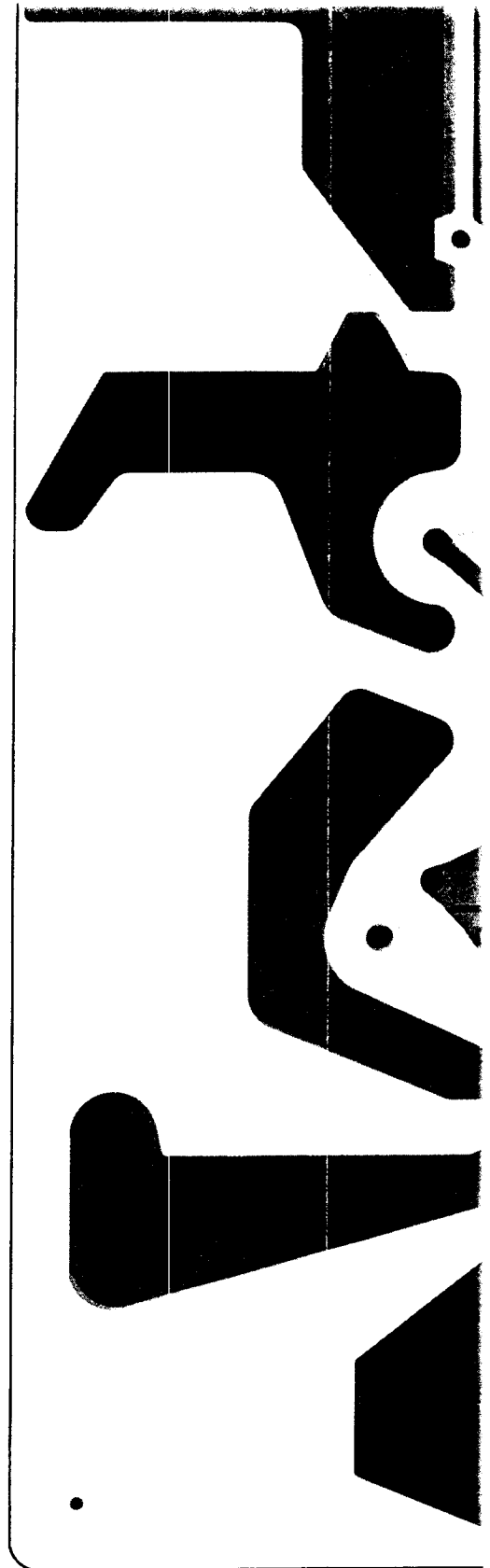
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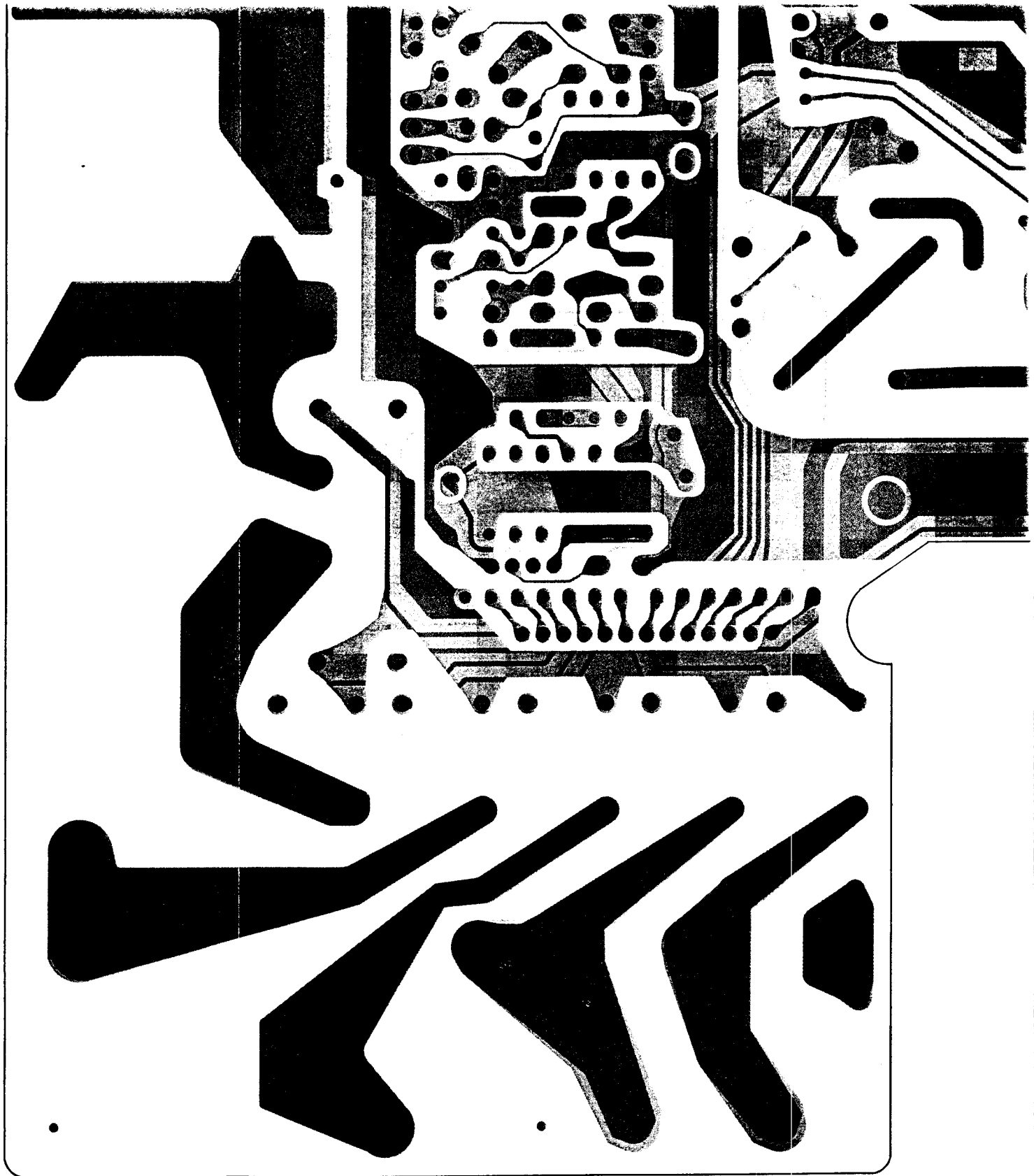


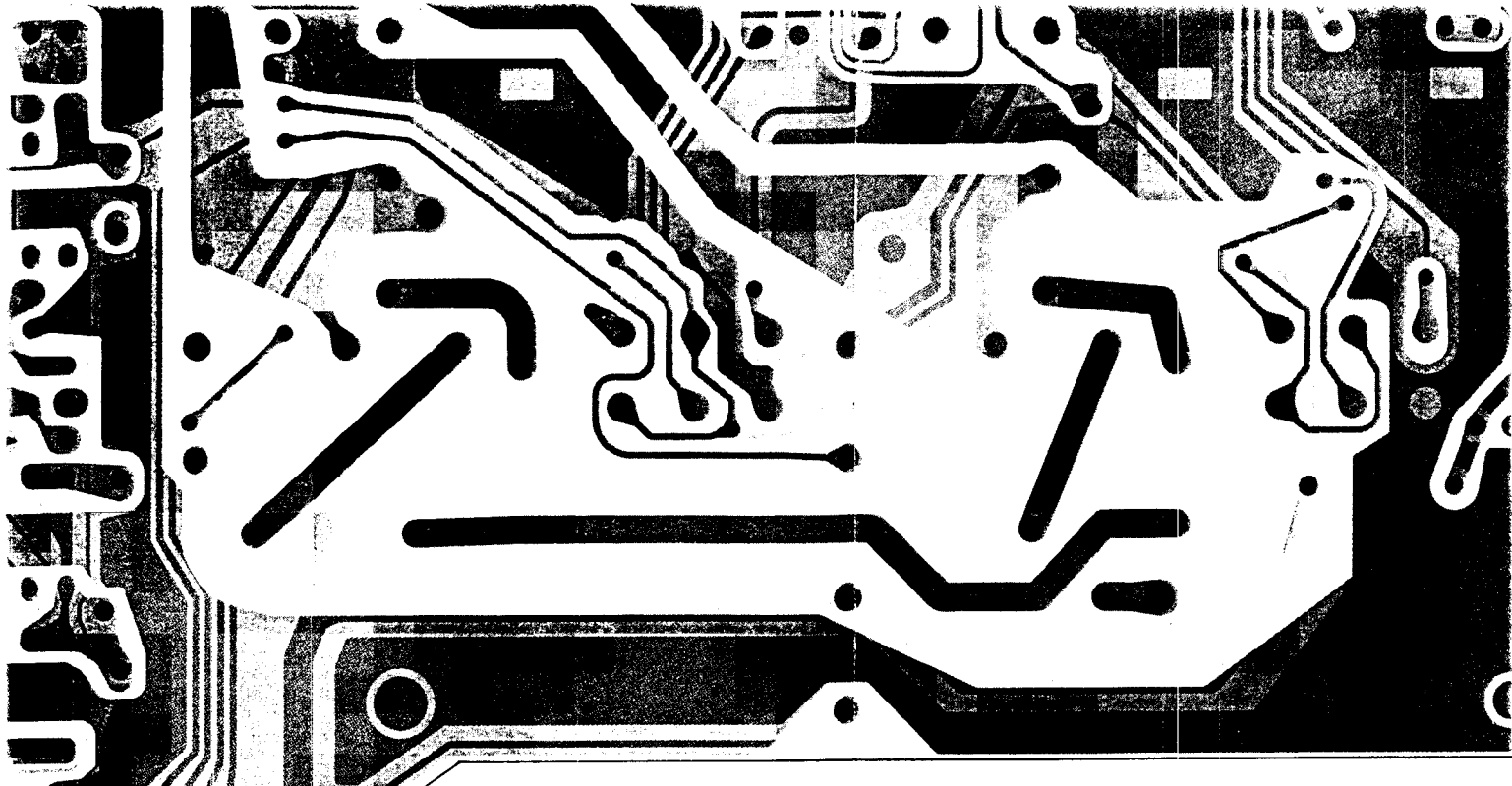


(“solder” side)





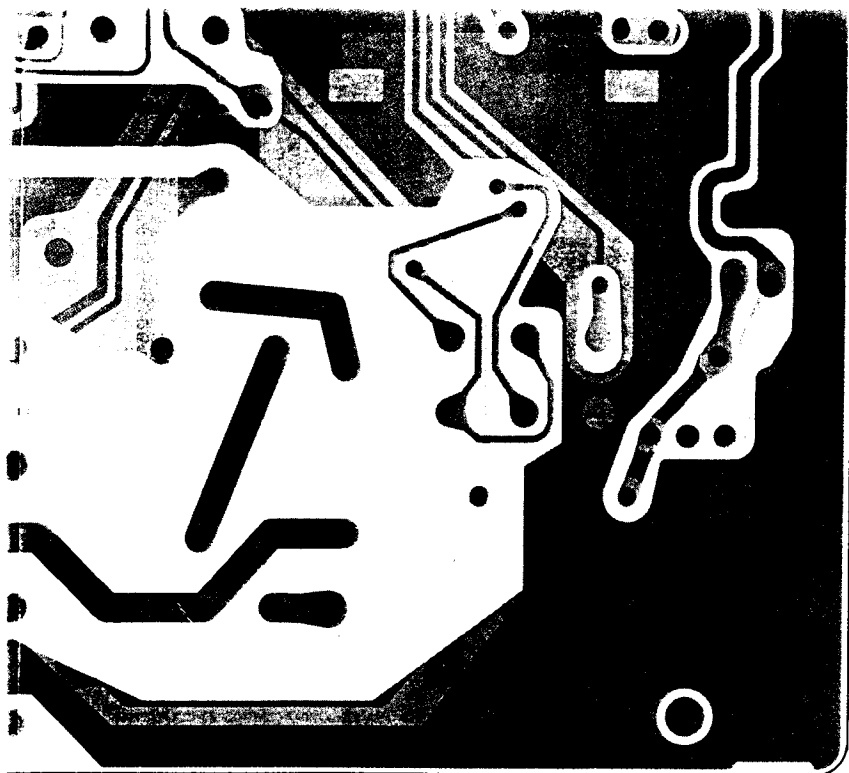




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Email:- [enquiries@mauritron.co.uk](mailto:enquiries@mauritron.co.uk)



(“solder” side)

# Tuner Main Unit

| REF.                    | YAESU P/N | DESCRIPTION       | MFGR'S DESIG      | VALUE   | WV  | TOL. | VERS. |
|-------------------------|-----------|-------------------|-------------------|---------|-----|------|-------|
| *** TUNER MAIN UNIT *** |           |                   |                   |         |     |      |       |
|                         | CA0232001 | P.C.B. W COMP.    |                   |         |     |      |       |
|                         | F3185000  | P.C.B. W/O COMP.  |                   |         |     |      |       |
| C 6401                  | K30355201 | MICA CAP          | DML4 201J30       | 200pF   | 3KV |      |       |
| C 6402                  | K30355401 | MICA CAP          | DML4 401J30       | 400pF   | 3KV |      |       |
| C 6403                  | K30355201 | MICA CAP          | DML4 201J30       | 200pF   | 3KV |      |       |
| C 6404                  | K30355401 | MICA CAP          | DML4 401J30       | 400pF   | 3KV |      |       |
| C 6405                  | K46120002 | AL. ELECTRO. CAP. | 16V331M8X11TR5    | 330uF   | 16V |      |       |
| C 6406                  | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B    | 0.047uF | 50V | F    |       |
| C 6407                  | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B    | 0.047uF | 50V | F    |       |
| C 6408                  | K46120002 | AL. ELECTRO. CAP. | 16V331M8X11TR5    | 330uF   | 16V |      |       |
| C 6409                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6410                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6411                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6412                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6413                  | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B    | 0.047uF | 50V | F    |       |
| C 6414                  | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B    | 0.047uF | 50V | F    |       |
| C 6415                  | K46120004 | AL. ELECTRO. CAP. | 16V100M4X7TR2     | 10uF    | 16V |      |       |
| C 6416                  | K46120004 | AL. ELECTRO. CAP. | 16V100M4X7TR2     | 10uF    | 16V |      |       |
| C 6417                  | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B    | 0.047uF | 50V | F    |       |
| C 6418                  | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B    | 0.047uF | 50V | F    |       |
| C 6419                  | K46120004 | AL. ELECTRO. CAP. | 16V100M4X7TR2     | 10uF    | 16V |      |       |
| C 6420                  | K46120004 | AL. ELECTRO. CAP. | 16V100M4X7TR2     | 10uF    | 16V |      |       |
| C 6421                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6422                  | K26171224 | CERAMIC CAP.      | DD109-979UJ221J50 | 220pF   | 50V | UJ   |       |
| C 6423                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6424                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6425                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6426                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6427                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6428                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6429                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6430                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6431                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6432                  | K46140005 | AL. ELECTRO. CAP. | 25V101M6X11TR5    | 100uF   | 25V |      |       |
| C 6433                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6434                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6435                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6436                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6437                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6438                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6439                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6440                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6441                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| CB6401                  | K80000002 | CAPACITOR BLOCK   | CAYF1036Z50       |         |     |      |       |
| CB6402                  | K80000002 | CAPACITOR BLOCK   | CAYF1036Z50       |         |     |      |       |
| CB6403                  | K80000002 | CAPACITOR BLOCK   | CAYF1036Z50       |         |     |      |       |
| D 6401                  | Q9000371  | SURGE ABSORBER    | DSA-301LA         |         |     |      |       |
| D 6402                  | G2090223  | DIODE             | 1SS101            |         |     |      |       |
| D 6403                  | G2090223  | DIODE             | 1SS101            |         |     |      |       |

# Tuner Main Unit

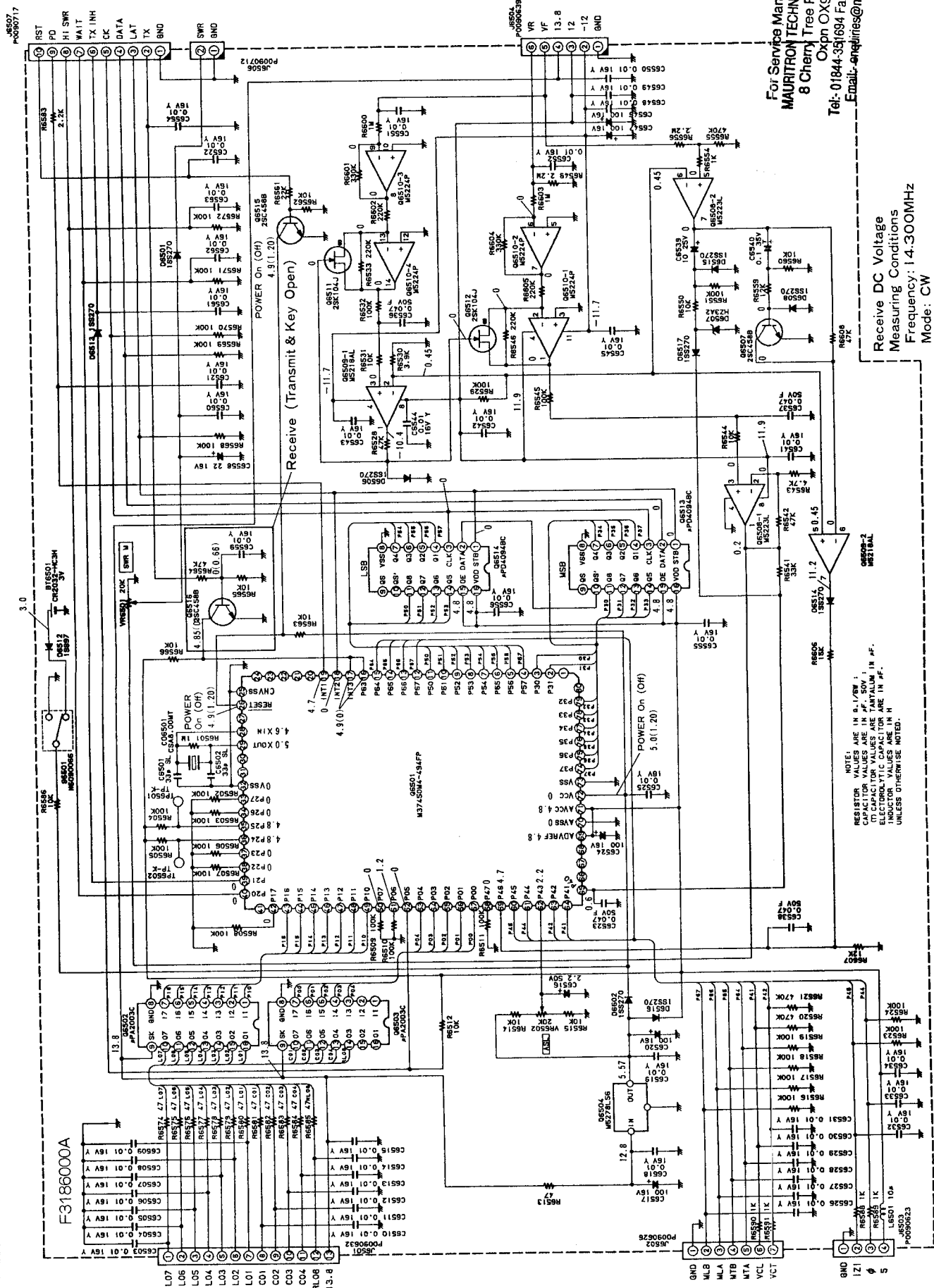
| REF.   | YAESU P/N | DESCRIPTION      | MFGR'S DESIG       | VALUE | WV   | TOL. | VERS. |
|--------|-----------|------------------|--------------------|-------|------|------|-------|
| D 6404 | G2090408  | DIODE            | 1SS270             |       |      |      |       |
| D 6405 | G2090408  | DIODE            | 1SS270             |       |      |      |       |
| D 6406 | G2090408  | DIODE            | 1SS270             |       |      |      |       |
| D 6407 | G2090408  | DIODE            | 1SS270             |       |      |      |       |
| D 6408 | G2090266  | DIODE            | RD3. 9EB2          |       |      |      |       |
| J 6401 | P1090210  | CONNECTOR        | TMP-J01X-V6        |       |      |      |       |
| J 6402 | P1090210  | CONNECTOR        | TMP-J01X-V6        |       |      |      |       |
| JP6401 | T9206041A | WIRE-ASSY        |                    |       |      |      |       |
| JP6402 | T9206042  | WIRE-ASSY        |                    |       |      |      |       |
| JP6403 | T9206043A | WIRE-ASSY        |                    |       |      |      |       |
| JP6404 | T9206076  | WIRE-ASSY        |                    |       |      |      |       |
| JP6405 | T9206076  | WIRE-ASSY        |                    |       |      |      |       |
| L 6401 | L0021949  | COIL             | 2. 5T15D2. 0PVF R  |       |      |      |       |
| L 6402 | L0021949  | COIL             | 2. 5T15D2. 0PVF R  |       |      |      |       |
| L 6403 | L0021950  | COIL             | 4. 5T15D2. 0PVF R  |       |      |      |       |
| L 6404 | L0022064  | COIL             | 6. 5T19D2. 0PVF R  |       |      |      |       |
| L 6405 | L0022049  | COIL             | 7. 5T20D1. 2UEW R  |       |      |      |       |
| L 6406 | L0022048  | COIL             | 12. 5T20D1. 2UEW R |       |      |      |       |
| L 6407 | L0022047  | COIL             | 20. 5T20D1. 2UEW R |       |      |      |       |
| L 6408 | L1190218  | M. RFC           | LAL03NA101K        | 100uH |      |      |       |
| L 6409 | L0021955  | COIL             | U 2001F FR9. 5     |       |      |      |       |
| L 6410 | L1190040  | M. RFC           | S4-102             | 1mH   |      |      |       |
| L 6411 | L1190218  | M. RFC           | LAL03NA101K        | 100uH |      |      |       |
| MO6401 | Q9000526  | MOTOR POT.       | RK16312M0          | 50K   |      | B    |       |
| MO6402 | Q9000526  | MOTOR POT.       | RK16312M0          | 50K   |      | B    |       |
| Q 6401 | G1090938  | IC               | HA17808P           |       |      |      |       |
| Q 6402 | G1091004  | IC               | MB3763             |       |      |      |       |
| Q 6403 | G1091004  | IC               | MB3763             |       |      |      |       |
| Q 6404 | G1090536  | IC               | UPC393C            |       |      |      |       |
| Q 6405 | G3801040J | FET              | 2SK104J            |       |      |      |       |
| Q 6406 | G3801040J | FET              | 2SK104J            |       |      |      |       |
| Q 6407 | G3329010L | TRANSISTOR       | 2SC2901L           |       |      |      |       |
| Q 6408 | G3329010L | TRANSISTOR       | 2SC2901L           |       |      |      |       |
| Q 6409 | G1091007  | IC               | HD74HC00P          |       |      |      |       |
| Q 6410 | G1091006  | IC               | HD74HC74P          |       |      |      |       |
| Q 6411 | G1090029  | IC               | MC14071BCP         |       |      |      |       |
| R 6401 | J00275240 | CARBON FILM RES. | RD12VJ240          | 24    | 1/2W |      |       |
| R 6402 | J07225103 | CARBON FILM RES. | RD16TPJ103         | 10K   | 1/6W |      |       |
| R 6403 | J07225103 | CARBON FILM RES. | RD16TPJ103         | 10K   | 1/6W |      |       |
| R 6404 | J07225103 | CARBON FILM RES. | RD16TPJ103         | 10K   | 1/6W |      |       |
| R 6405 | J07225103 | CARBON FILM RES. | RD16TPJ103         | 10K   | 1/6W |      |       |
| R 6406 | J07225104 | CARBON FILM RES. | RD16TPJ104         | 100K  | 1/6W |      |       |
| R 6407 | J07225104 | CARBON FILM RES. | RD16TPJ104         | 100K  | 1/6W |      |       |
| R 6408 | J07225152 | CARBON FILM RES. | RD16TPJ152         | 1. 5K | 1/6W |      |       |
| R 6409 | J07225152 | CARBON FILM RES. | RD16TPJ152         | 1. 5K | 1/6W |      |       |
| R 6410 | J07225333 | CARBON FILM RES. | RD16TPJ333         | 33K   | 1/6W |      |       |
| R 6411 | J07225333 | CARBON FILM RES. | RD16TPJ333         | 33K   | 1/6W |      |       |
| R 6412 | J07225102 | CARBON FILM RES. | RD16TPJ102         | 1K    | 1/6W |      |       |
| R 6413 | J07225152 | CARBON FILM RES. | RD16TPJ152         | 1. 5K | 1/6W |      |       |

For Service Manuals Contact  
**MAURITRON TECHNICAL SERVICES**  
 8 Cherry Tree Rd, Chinnor  
 Oxon OX9 4QY  
 Tel:- 01844-351694 Fax:- 01844-352554  
 Email:- enquiries@mauritron.co.uk

# Tuner Main Unit

| REF.   | YAESU P/N | DESCRIPTION      | MFGR'S DESIG  | VALUE | WV    | TOL. | VERS. |
|--------|-----------|------------------|---------------|-------|-------|------|-------|
| R 6414 | J07225152 | CARBON FILM RES. | RD16TPJ152    | 1.5K  | 1/6W  |      |       |
| R 6415 | J07225103 | CARBON FILM RES. | RD16TPJ103    | 10K   | 1/6W  |      |       |
| R 6416 | J07225104 | CARBON FILM RES. | RD16TPJ104    | 100K  | 1/6W  |      |       |
| R 6417 | J07225104 | CARBON FILM RES. | RD16TPJ104    | 100K  | 1/6W  |      |       |
| R 6418 | J07225104 | CARBON FILM RES. | RD16TPJ104    | 100K  | 1/6W  |      |       |
| R 6419 | J07225104 | CARBON FILM RES. | RD16TPJ104    | 100K  | 1/6W  |      |       |
| R 6420 | J07225102 | CARBON FILM RES. | RD16TPJ102    | 1K    | 1/6W  |      |       |
| R 6421 | J07225102 | CARBON FILM RES. | RD16TPJ102    | 1K    | 1/6W  |      |       |
| R 6422 | J07225102 | CARBON FILM RES. | RD16TPJ102    | 1K    | 1/6W  |      |       |
| R 6423 | J07225102 | CARBON FILM RES. | RD16TPJ102    | 1K    | 1/6W  |      |       |
| RL6401 | M1190075  | RELAY            | AGP2003       |       | DC12V |      |       |
| RL6402 | M1190075  | RELAY            | AGP2003       |       | DC12V |      |       |
| RL6403 | M1190075  | RELAY            | AGP2003       |       | DC12V |      |       |
| RL6404 | M1190075  | RELAY            | AGP2003       |       | DC12V |      |       |
| RL6405 | M1190075  | RELAY            | AGP2003       |       | DC12V |      |       |
| RL6406 | M1190075  | RELAY            | AGP2003       |       | DC12V |      |       |
| RL6407 | M1190075  | RELAY            | AGP2003       |       | DC12V |      |       |
| RL6408 | M1190075  | RELAY            | AGP2003       |       | DC12V |      |       |
| RL6409 | M1190075  | RELAY            | AGP2003       |       | DC12V |      |       |
| RL6410 | M1190075  | RELAY            | AGP2003       |       | DC12V |      |       |
| RL6411 | M1190075  | RELAY            | AGP2003       |       | DC12V |      |       |
| RL6412 | M1190075  | RELAY            | AGP2003       |       | DC12V |      |       |
| TC6401 | K91000012 | TRIMMER CAP.     | ECV1ZW10X32   | 10pF  |       |      |       |
| VC6401 | K90000048 | TRIMMER CAP.     | YV-250-05     | 250pF |       |      |       |
| VC6402 | K90000048 | TRIMMER CAP.     | YV-250-05     | 250pF |       |      |       |
| VR6401 | J51783201 | POT.             | EVN-DXAA03B22 | 200   |       |      |       |

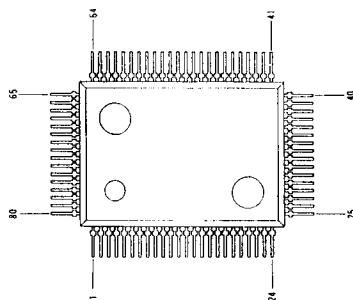
## Tuner Control Unit



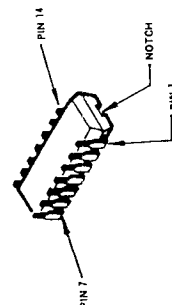
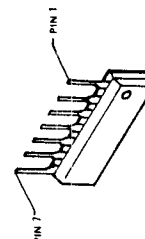
**For Service Manuals Contact**  
**MAURITRON TECHNICAL SERVICES**  
8 Cherry Tree Rd, Chinnor  
Oxon OX9 4QY  
**Tel:** 01844-351694 **Fax:** 01844-352554  
**E-mail:** [enquiries@mauritron.co.uk](mailto:enquiries@mauritron.co.uk)

Receive DC Voltage  
Measuring Conditions  
Frequency: 14.300MHz  
Mode: CW  
BACKUP Switch: On

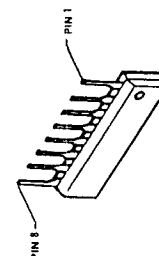




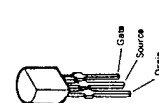
μPA2003C  
(Q6502, 6503)  
μPD4094BC  
(Q6513, 6514)

M5224P  
(Q6510)

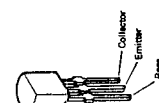
M5278L56  
(Q6504)

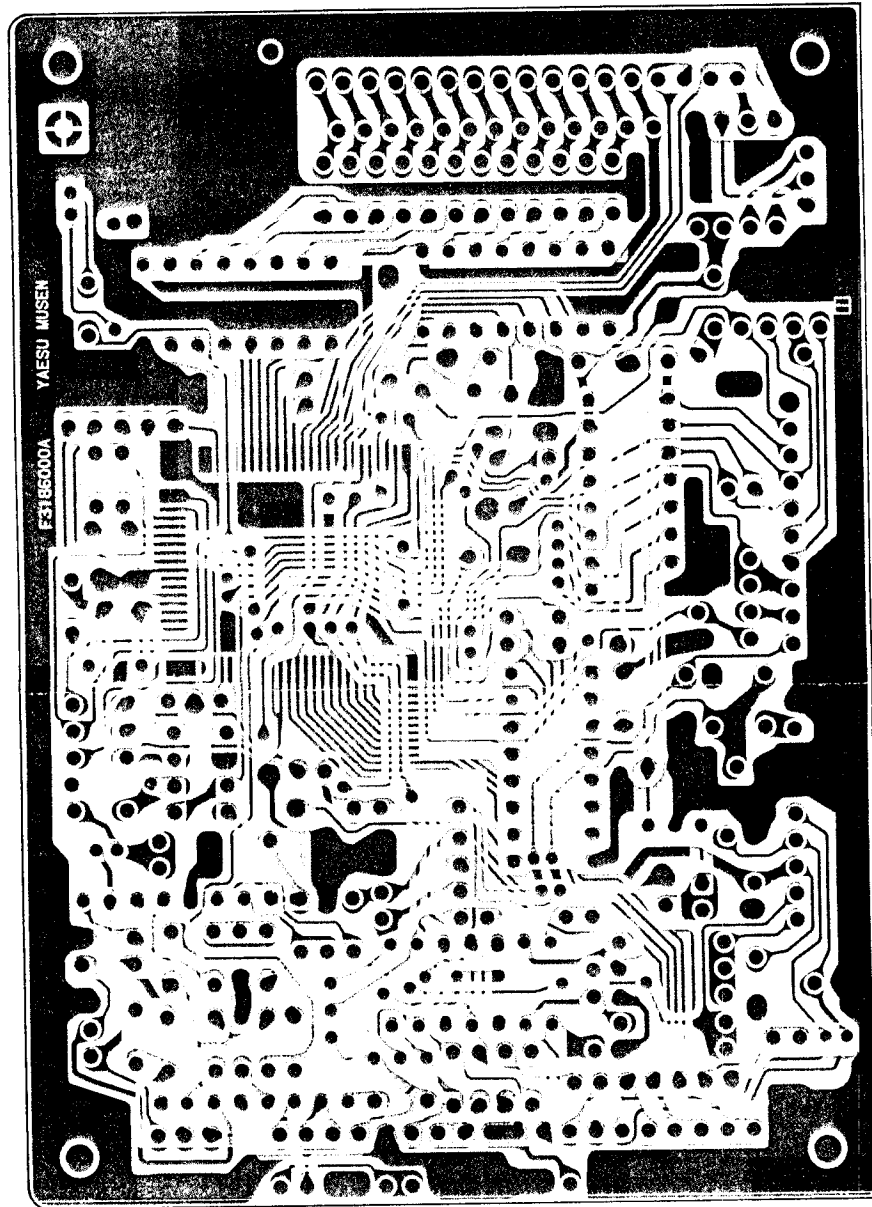


M5218AL  
(Q6509)  
M5223L  
(Q6508)



2SK104J  
(Q6511, 6512)

2SC458BTZ  
(Q6507, 6515, 6516)



("solder" side)

# Tuner Control Unit

| REF.                    | YAESU P/N | DESCRIPTION       | MFGR'S DESIG      | VALUE   | WV  | TOL. | VERS. |
|-------------------------|-----------|-------------------|-------------------|---------|-----|------|-------|
| *** TUNER CNTL UNIT *** |           |                   |                   |         |     |      |       |
|                         | CA0272101 | P.C.B. W COMP.    |                   |         |     |      |       |
|                         | F3186000A | P.C.B. W/O COMP.  |                   |         |     |      |       |
| BT6501                  | Q9000540  | LITHIUM BATTERY   | CR2032-HC3H       |         | 3V  |      |       |
| C 6501                  | K26170079 | CERAMIC CAP.      | DD104-289SL330J50 | 33pF    | 50V | SL   |       |
| C 6502                  | K26170079 | CERAMIC CAP.      | DD104-289SL330J50 | 33pF    | 50V | SL   |       |
| C 6503                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6504                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6505                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6506                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6507                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6508                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6509                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6510                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6511                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6512                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6513                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6514                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6515                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6516                  | K46170031 | AL. ELECTRO. CAP. | 50V2R2M4X7TR2     | 2.2uF   | 50V |      |       |
| C 6517                  | K46120007 | AL. ELECTRO. CAP. | 16V101M6X7TR2     | 100uF   | 16V |      |       |
| C 6518                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6519                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6520                  | K46120007 | AL. ELECTRO. CAP. | 16V101M6X7TR2     | 100uF   | 16V |      |       |
| C 6521                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6522                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6523                  | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B    | 0.047uF | 50V | F    |       |
| C 6524                  | K46120007 | AL. ELECTRO. CAP. | 16V101M6X7TR2     | 100uF   | 16V |      |       |
| C 6525                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6526                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6527                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6528                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6529                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6530                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6531                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6532                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6533                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6534                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6536                  | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B    | 0.047uF | 50V | F    |       |
| C 6537                  | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B    | 0.047uF | 50V | F    |       |
| C 6538                  | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B    | 0.047uF | 50V | F    |       |
| C 6539                  | K40149012 | AL. ELECTRO. CAP. | RC2-25V100M(5X7)  | 10uF    | 25V |      |       |
| C 6540                  | K76160015 | TANTALUM CAP.     | TPDN1V0R1M8S(MX0) | 0.1uF   | 35V |      |       |
| C 6541                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6542                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6543                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6544                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6545                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 6546                  | K46120007 | AL. ELECTRO. CAP. | 16V101M6X7TR2     | 100uF   | 16V |      |       |
| C 6547                  | K46120007 | AL. ELECTRO. CAP. | 16V101M6X7TR2     | 100uF   | 16V |      |       |
| C 6548                  | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |

# Tuner Control Unit

| REF.   | YAESU P/N | DESCRIPTION       | MFGR'S DESIG   | VALUE  | WV   | TOL. | VERS. |
|--------|-----------|-------------------|----------------|--------|------|------|-------|
| C 6549 | K28129001 | CERAMIC CAP.      | EP050Y103N-A   | 0.01uF | 16V  | Y    |       |
| C 6550 | K28129001 | CERAMIC CAP.      | EP050Y103N-A   | 0.01uF | 16V  | Y    |       |
| C 6551 | K28129001 | CERAMIC CAP.      | EP050Y103N-A   | 0.01uF | 16V  | Y    |       |
| C 6552 | K28129001 | CERAMIC CAP.      | EP050Y103N-A   | 0.01uF | 16V  | Y    |       |
| C 6554 | K28129001 | CERAMIC CAP.      | EP050Y103N-A   | 0.01uF | 16V  | Y    |       |
| C 6555 | K28129001 | CERAMIC CAP.      | EP050Y103N-A   | 0.01uF | 16V  | Y    |       |
| C 6556 | K28129001 | CERAMIC CAP.      | EP050Y103N-A   | 0.01uF | 16V  | Y    |       |
| C 6558 | K46120005 | AL. ELECTRO. CAP. | 16V220M5X7TR2  | 22uF   | 16V  |      |       |
| C 6559 | K28129001 | CERAMIC CAP.      | EP050Y103N-A   | 0.01uF | 16V  | Y    |       |
| C 6560 | K28129001 | CERAMIC CAP.      | EP050Y103N-A   | 0.01uF | 16V  | Y    |       |
| C 6561 | K28129001 | CERAMIC CAP.      | EP050Y103N-A   | 0.01uF | 16V  | Y    |       |
| C 6562 | K28129001 | CERAMIC CAP.      | EP050Y103N-A   | 0.01uF | 16V  | Y    |       |
| C 6563 | K28129001 | CERAMIC CAP.      | EP050Y103N-A   | 0.01uF | 16V  | Y    |       |
| CO6501 | H7900580  | CERAMIC OSC       | CSA8.00MT      |        |      |      |       |
| D 6501 | G2060004  | DIODE             | 1SS270TJ       |        |      |      |       |
| D 6502 | G2060004  | DIODE             | 1SS270TJ       |        |      |      |       |
| D 6506 | G2060004  | DIODE             | 1SS270TJ       |        |      |      |       |
| D 6507 | G2090452  | DIODE             | HZ3A2          |        |      |      |       |
| D 6508 | G2060004  | DIODE             | 1SS270TJ       |        |      |      |       |
| D 6512 | G2090118  | DIODE             | 1SS97          |        |      |      |       |
| D 6513 | G2060004  | DIODE             | 1SS270TJ       |        |      |      |       |
| D 6514 | G2060004  | DIODE             | 1SS270TJ       |        |      |      |       |
| D 6515 | G2060004  | DIODE             | 1SS270TJ       |        |      |      |       |
| D 6516 | G2060004  | DIODE             | 1SS270TJ       |        |      |      |       |
| D 6517 | G2060004  | DIODE             | 1SS270TJ       |        |      |      |       |
| J 6501 | P0090632  | CONNECTOR         | SC25-13WS      |        |      |      |       |
| J 6502 | P0090626  | CONNECTOR         | SC25-07WS      |        |      |      |       |
| J 6503 | P0090623  | CONNECTOR         | SC25-04WS      |        |      |      |       |
| J 6504 | P0090639  | CONNECTOR         | SC25-06WL      |        |      |      |       |
| J 6506 | P0090712  | CONNECTOR         | SC25-02WL      |        |      |      |       |
| J 6507 | P0090717  | CONNECTOR         | SC25-10WL      |        |      |      |       |
| L 6501 | L1790095  | M. RFC            | LAL03TA100K    | 10uH   |      |      |       |
| Q 6501 | G1091243  | IC                | M37450M4-494FP |        |      |      |       |
| Q 6502 | G1090554  | IC                | UPA2003C       |        |      |      |       |
| Q 6503 | G1090554  | IC                | UPA2003C       |        |      |      |       |
| Q 6504 | G1090694  | IC                | M5278L56       |        |      |      |       |
| Q 6507 | G3304584B | TRANSISTOR        | 2SC458BTZ      |        |      |      |       |
| Q 6508 | G1090988  | IC                | M5223L         |        |      |      |       |
| Q 6509 | G1091140  | IC                | M5218AL        |        |      |      |       |
| Q 6510 | G1090757  | IC                | M5224P         |        |      |      |       |
| Q 6511 | G3801040J | FET               | 2SK104J        |        |      |      |       |
| Q 6512 | G3801040J | FET               | 2SK104J        |        |      |      |       |
| Q 6513 | G1090297  | IC                | UPD4094BC      |        |      |      |       |
| Q 6514 | G1090297  | IC                | UPD4094BC      |        |      |      |       |
| Q 6515 | G3304584B | TRANSISTOR        | 2SC458BTZ      |        |      |      |       |
| Q 6516 | G3304584B | TRANSISTOR        | 2SC458BTZ      |        |      |      |       |
| R 6501 | J07225105 | CARBON FILM RES.  | RD16TPJ105     | 1M     | 1/6W |      |       |
| R 6502 | J07225104 | CARBON FILM RES.  | RD16TPJ104     | 100K   | 1/6W |      |       |
| R 6503 | J07225104 | CARBON FILM RES.  | RD16TPJ104     | 100K   | 1/6W |      |       |

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# Tuner Control Unit

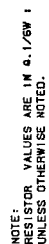
| REF.   | YAESU P/N | DESCRIPTION      | MFGR'S DESIG | VALUE | WV   | TOL. | VERS. |
|--------|-----------|------------------|--------------|-------|------|------|-------|
| R 6504 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 6505 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 6506 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 6507 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 6508 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 6509 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 6510 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 6511 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 6512 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 6513 | J07225470 | CARBON FILM RES. | RD16TPJ470   | 47    | 1/6W |      |       |
| R 6514 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 6515 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 6516 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 6517 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 6518 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 6519 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 6520 | J07225474 | CARBON FILM RES. | RD16TPJ474   | 470K  | 1/6W |      |       |
| R 6521 | J07225474 | CARBON FILM RES. | RD16TPJ474   | 470K  | 1/6W |      |       |
| R 6523 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 6524 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 6528 | J07225473 | CARBON FILM RES. | RD16TPJ473   | 47K   | 1/6W |      |       |
| R 6529 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 6530 | J07225392 | CARBON FILM RES. | RD16TPJ392   | 3.9K  | 1/6W |      |       |
| R 6531 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 6532 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 6533 | J07225224 | CARBON FILM RES. | RD16TPJ224   | 220K  | 1/6W |      |       |
| R 6541 | J07225333 | CARBON FILM RES. | RD16TPJ333   | 33K   | 1/6W |      |       |
| R 6542 | J07225473 | CARBON FILM RES. | RD16TPJ473   | 47K   | 1/6W |      |       |
| R 6543 | J07225472 | CARBON FILM RES. | RD16TPJ472   | 4.7K  | 1/6W |      |       |
| R 6544 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 6545 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 6546 | J07225224 | CARBON FILM RES. | RD16TPJ224   | 220K  | 1/6W |      |       |
| R 6549 | J07225225 | CARBON FILM RES. | RD16TPJ225   | 2.2M  | 1/6W |      |       |
| R 6550 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 6551 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 6554 | J07225102 | CARBON FILM RES. | RD16TPJ102   | 1K    | 1/6W |      |       |
| R 6555 | J07225474 | CARBON FILM RES. | RD16TPJ474   | 470K  | 1/6W |      |       |
| R 6556 | J07225225 | CARBON FILM RES. | RD16TPJ225   | 2.2M  | 1/6W |      |       |
| R 6559 | J07225123 | CARBON FILM RES. | RD16TPJ123   | 12K   | 1/6W |      |       |
| R 6560 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 6561 | J07225223 | CARBON FILM RES. | RD16TPJ223   | 22K   | 1/6W |      |       |
| R 6562 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 6563 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 6564 | J07225473 | CARBON FILM RES. | RD16TPJ473   | 47K   | 1/6W |      |       |
| R 6565 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 6566 | J07225103 | CARBON FILM RES. | RD16TPJ103   | 10K   | 1/6W |      |       |
| R 6568 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 6569 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 6570 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 6571 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 6572 | J07225104 | CARBON FILM RES. | RD16TPJ104   | 100K  | 1/6W |      |       |
| R 6574 | J07225470 | CARBON FILM RES. | RD16TPJ470   | 47    | 1/6W |      |       |
| R 6575 | J07225470 | CARBON FILM RES. | RD16TPJ470   | 47    | 1/6W |      |       |
| R 6576 | J07225470 | CARBON FILM RES. | RD16TPJ470   | 47    | 1/6W |      |       |
| R 6577 | J07225470 | CARBON FILM RES. | RD16TPJ470   | 47    | 1/6W |      |       |

# Tuner Control Unit

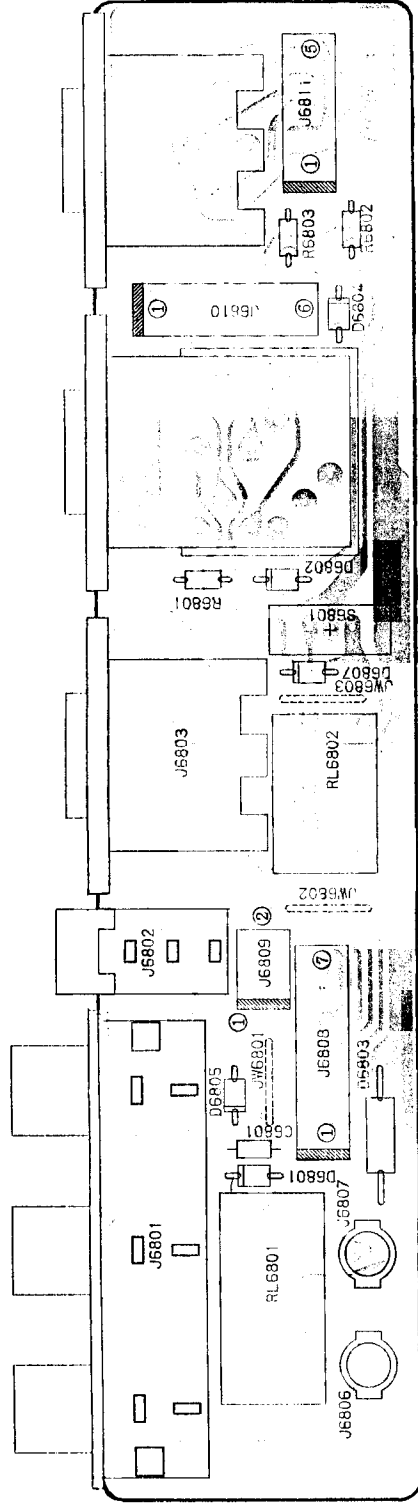
| REF.   | YAESU P/N | DESCRIPTION      | MFGR'S DESIG  | VALUE | WV   | TOL. | VERS. |
|--------|-----------|------------------|---------------|-------|------|------|-------|
| R 6578 | J07225470 | CARBON FILM RES. | RD16TPJ470    | 47    | 1/6W |      |       |
| R 6579 | J07225470 | CARBON FILM RES. | RD16TPJ470    | 47    | 1/6W |      |       |
| R 6580 | J07225470 | CARBON FILM RES. | RD16TPJ470    | 47    | 1/6W |      |       |
| R 6581 | J07225470 | CARBON FILM RES. | RD16TPJ470    | 47    | 1/6W |      |       |
| R 6582 | J07225470 | CARBON FILM RES. | RD16TPJ470    | 47    | 1/6W |      |       |
| R 6583 | J07225470 | CARBON FILM RES. | RD16TPJ470    | 47    | 1/6W |      |       |
| R 6584 | J07225470 | CARBON FILM RES. | RD16TPJ470    | 47    | 1/6W |      |       |
| R 6585 | J07225470 | CARBON FILM RES. | RD16TPJ470    | 47    | 1/6W |      |       |
| R 6586 | J07225103 | CARBON FILM RES. | RD16TPJ103    | 10K   | 1/6W |      |       |
| R 6588 | J07225102 | CARBON FILM RES. | RD16TPJ102    | 1K    | 1/6W |      |       |
| R 6589 | J07225102 | CARBON FILM RES. | RD16TPJ102    | 1K    | 1/6W |      |       |
| R 6590 | J07225102 | CARBON FILM RES. | RD16TPJ102    | 1K    | 1/6W |      |       |
| R 6591 | J07225102 | CARBON FILM RES. | RD16TPJ102    | 1K    | 1/6W |      |       |
| R 6593 | J07225222 | CARBON FILM RES. | RD16TPJ222    | 2. 2K | 1/6W |      |       |
| R 6600 | J07225105 | CARBON FILM RES. | RD16TPJ105    | 1M    | 1/6W |      |       |
| R 6601 | J07225334 | CARBON FILM RES. | RD16TPJ334    | 330K  | 1/6W |      |       |
| R 6602 | J07225224 | CARBON FILM RES. | RD16TPJ224    | 220K  | 1/6W |      |       |
| R 6603 | J07225105 | CARBON FILM RES. | RD16TPJ105    | 1M    | 1/6W |      |       |
| R 6604 | J07225334 | CARBON FILM RES. | RD16TPJ334    | 330K  | 1/6W |      |       |
| R 6605 | J07225224 | CARBON FILM RES. | RD16TPJ224    | 220K  | 1/6W |      |       |
| R 6606 | J07225153 | CARBON FILM RES. | RD16TPJ153    | 15K   | 1/6W |      |       |
| R 6607 | J07225123 | CARBON FILM RES. | RD16TPJ123    | 12K   | 1/6W |      |       |
| R 6608 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |
| S 6501 | N6090066  | SLIDE SWITCH     | SS912L4NS     |       |      |      |       |
| TP6501 | Q5000050  | TP-K             | IPS-1136      |       |      |      |       |
| TP6502 | Q5000050  | TP-K             | IPS-1136      |       |      |      |       |
| VR6501 | J51783203 | POT.             | EVN-DXAA03B24 | 20K   |      |      |       |
| VR6502 | J51783203 | POT.             | EVN-DXAA03B24 | 20K   |      |      |       |
|        | R0139390  | SHIELD PLATE     |               |       |      |      |       |

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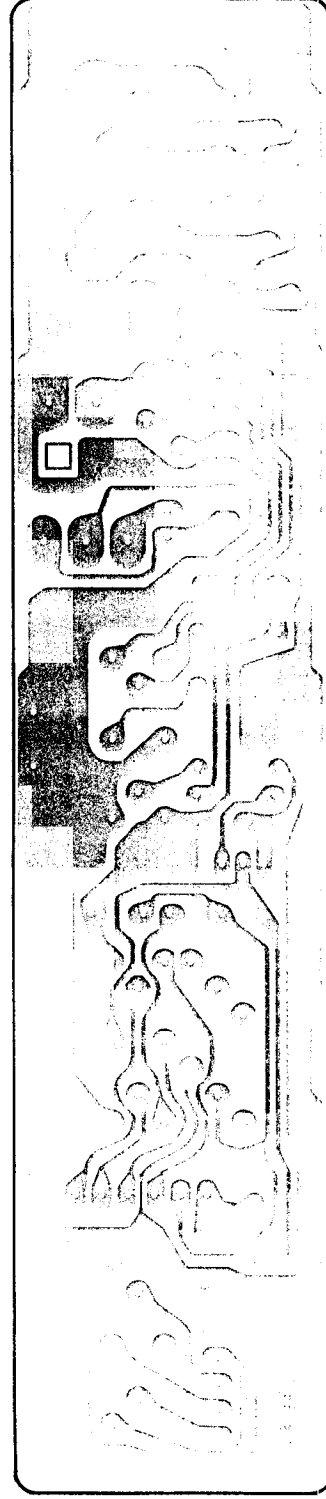
## Connector Unit



# Connector Unit



("component" side)



("solder" side)

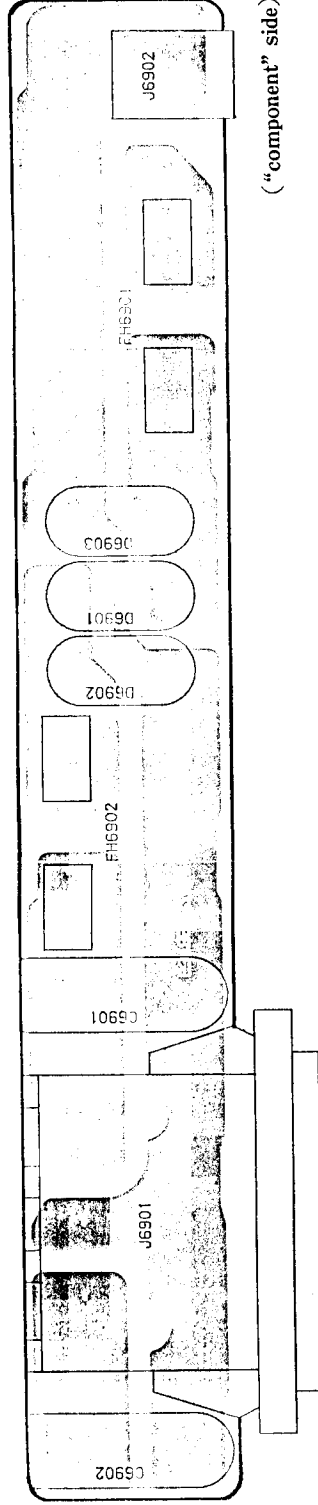


# Connector Unit

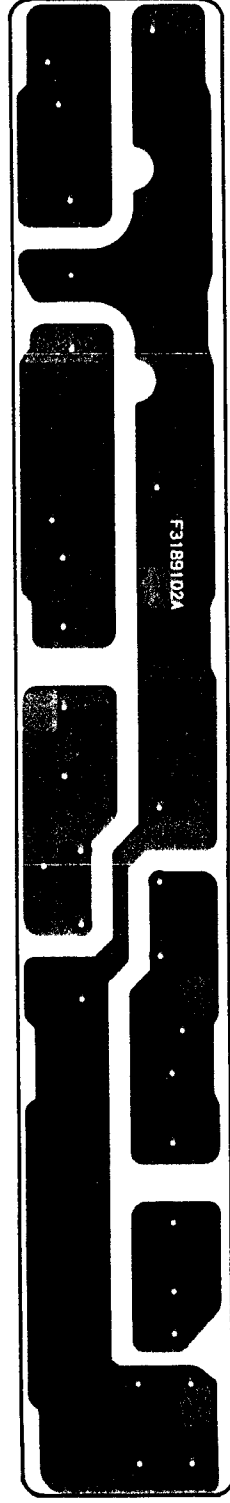
| REF.                   | YAESU P/N | DESCRIPTION      | MFGR'S DESIG      | VALUE  | WV    | TOL. | VERS. |
|------------------------|-----------|------------------|-------------------|--------|-------|------|-------|
| *** CONNECTOR UNIT *** |           |                  |                   |        |       |      |       |
|                        | CA0414001 | P.C.B. W COMP.   |                   |        |       |      |       |
|                        | F3189101A | P.C.B. W/O COMP. |                   |        |       |      |       |
| C 6801                 | K28129001 | CERAMIC CAP.     | EP050Y103N-A      | 0.01uF | 16V   | Y    |       |
| D 6801                 | G2060004  | DIODE            | 1SS270TJ          |        |       |      |       |
| D 6802                 | G2060004  | DIODE            | 1SS270TJ          |        |       |      |       |
| D 6803                 | Q9000375  | SURGE ABSORBER   | DSP201M-S00B      |        |       |      |       |
| D 6804                 | G2060004  | DIODE            | 1SS270TJ          |        |       |      |       |
| D 6805                 | G2060004  | DIODE            | 1SS270TJ          |        |       |      |       |
| D 6807                 | G2060004  | DIODE            | 1SS270TJ          |        |       |      |       |
| J 6801                 | P1090630  | CONNECTOR        | JPJ2043-01-211    |        |       |      |       |
| J 6802                 | P1090350  | CONNECTOR        | SG8035#01         |        |       |      |       |
| J 6803                 | P1090690  | CONNECTOR        | TCS5073-18-4151   |        |       |      |       |
| J 6804                 | P1090649  | CONNECTOR        | TCS5073-59-4151   |        |       |      |       |
| J 6805                 | P1090647  | CONNECTOR        | TCS5073-16-4151   |        |       |      |       |
| J 6806                 | P1090210  | CONNECTOR        | TMP-J01X-V6       |        |       |      |       |
| J 6807                 | P1090210  | CONNECTOR        | TMP-J01X-V6       |        |       |      |       |
| J 6808                 | P0090626  | CONNECTOR        | SC25-07WS         |        |       |      |       |
| J 6809                 | P0090621  | CONNECTOR        | SC25-02WS         |        |       |      |       |
| J 6810                 | P0090625  | CONNECTOR        | SC25-06WS         |        |       |      |       |
| J 6811                 | P0090624  | CONNECTOR        | SC25-05WS         |        |       |      |       |
| R 6801                 | J07225103 | CARBON FILM RES. | RD16TPJ103        | 10K    | 1/6W  |      |       |
| R 6802                 | J07225472 | CARBON FILM RES. | RD16TPJ472        | 4.7K   | 1/6W  |      |       |
| R 6803                 | J07225104 | CARBON FILM RES. | RD16TPJ104        | 100K   | 1/6W  |      |       |
| RL6801                 | M1190097  | RELAY            | RY-12W-OH-K DC12V |        | DC12V |      |       |
| RL6802                 | M1190045  | RELAY            | AG2013 DC12V      |        | DC12V |      |       |
| S 6801                 | N6090064  | SLIDE SWITCH     | SS912             |        |       |      |       |

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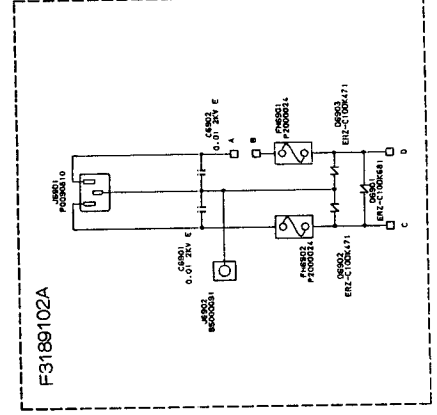
# Protector Unit



("component" side)



("solder" side)

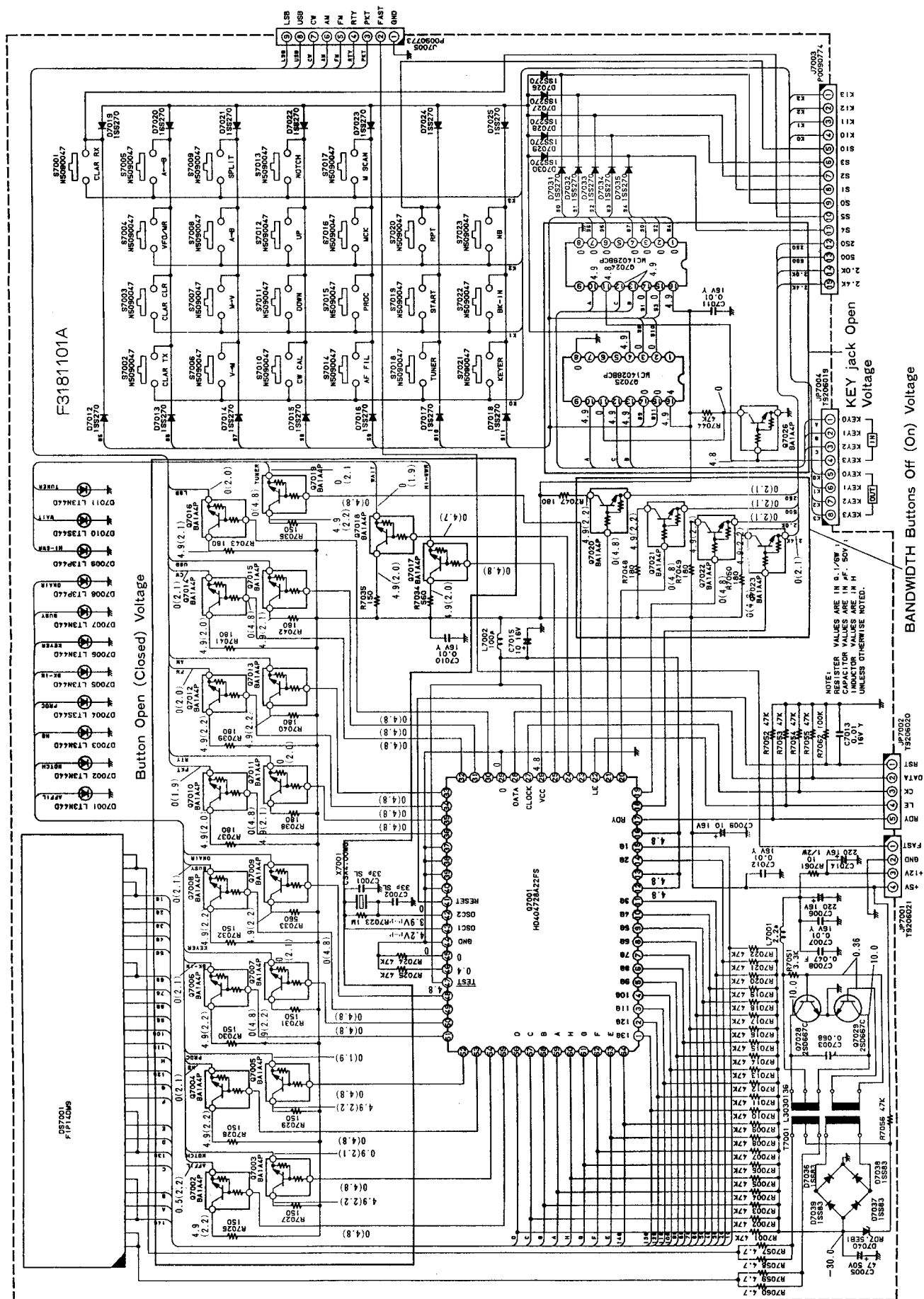


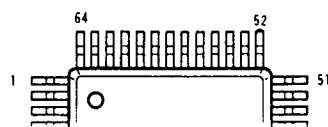
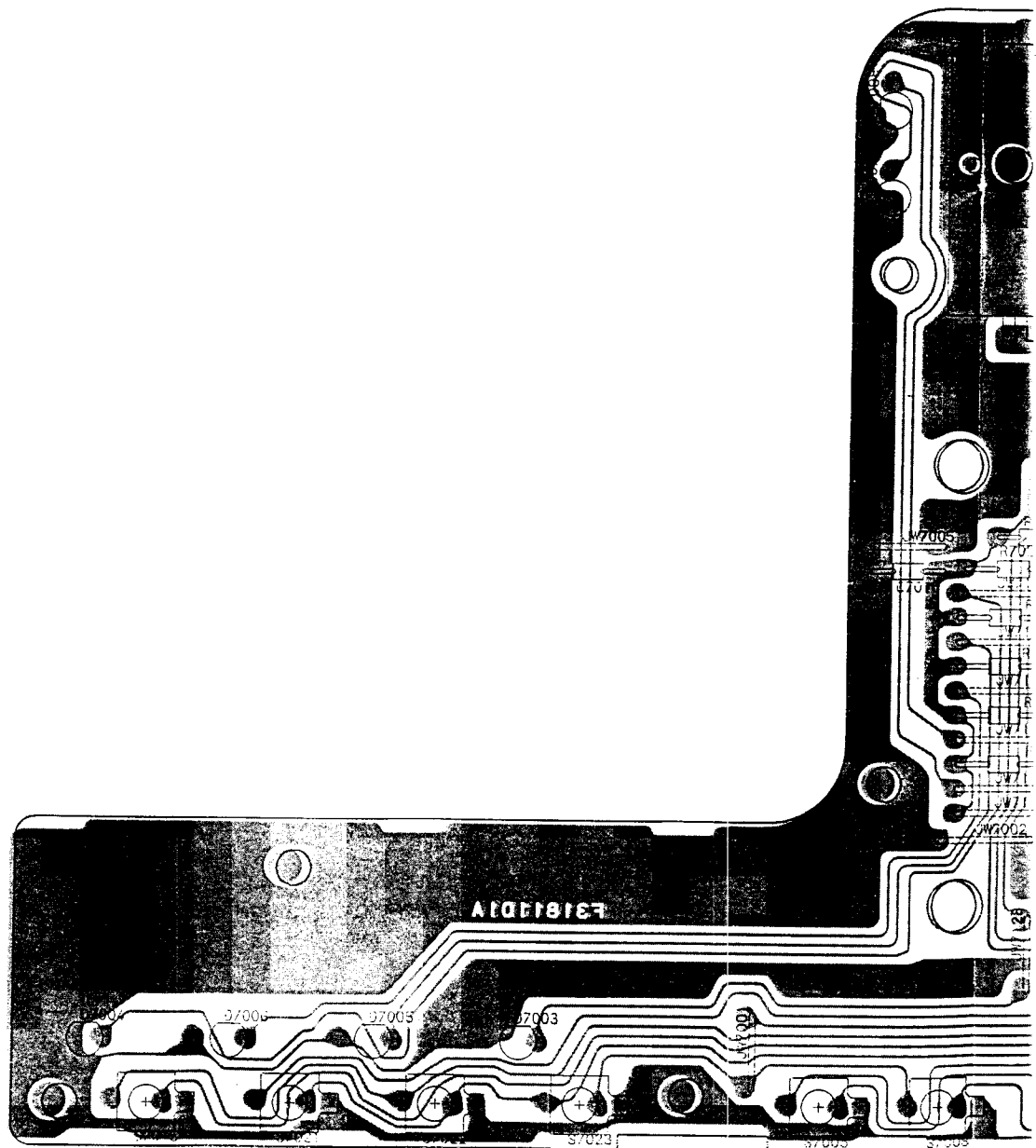
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# Protector Unit

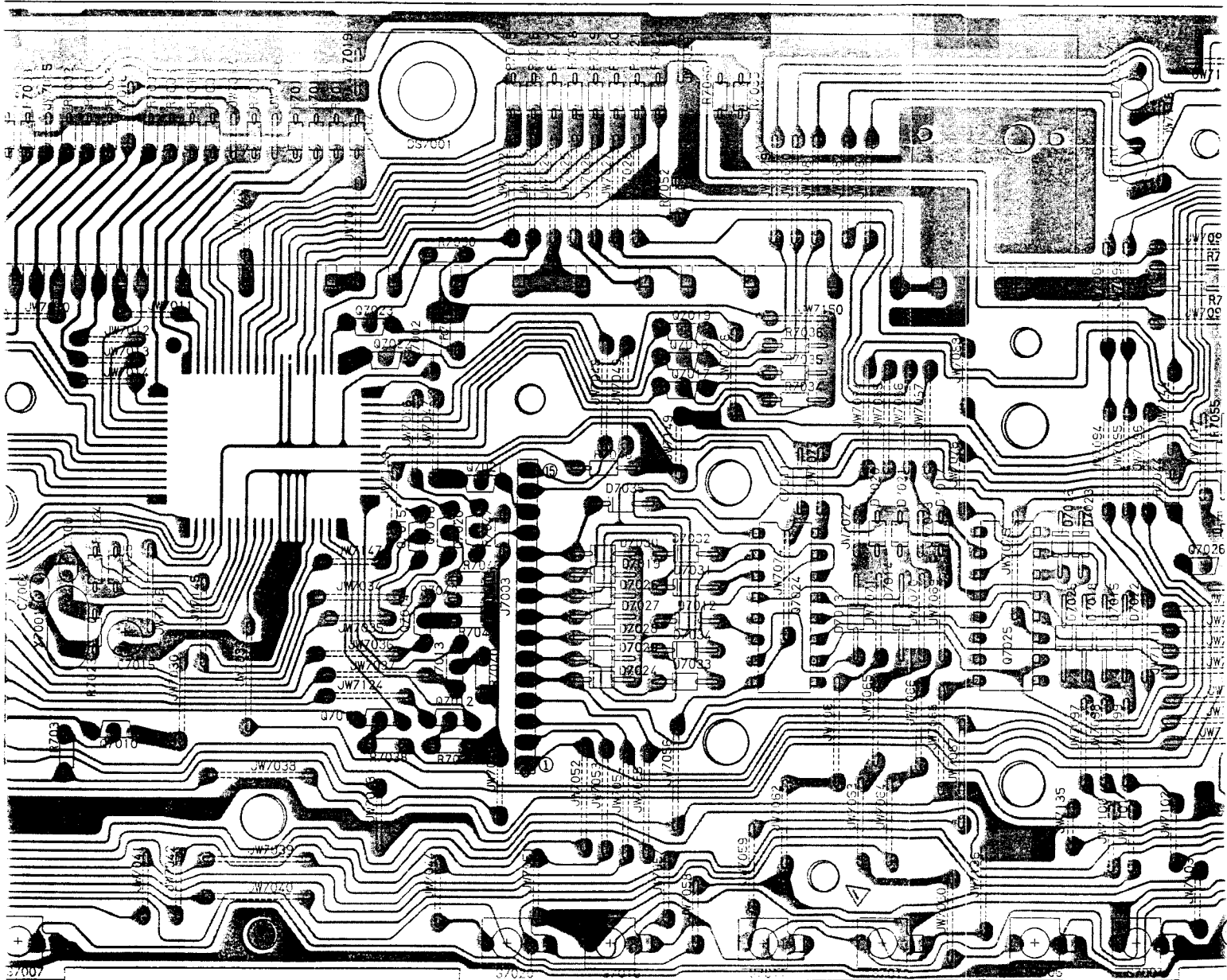
| REF.                   | YAESU P/N | DESCRIPTION      | MFGR'S DESIG | VALUE  | WV  | TOL. | VERS. |
|------------------------|-----------|------------------|--------------|--------|-----|------|-------|
| *** PROTECTOR UNIT *** |           |                  |              |        |     |      |       |
|                        | CA0415001 | P.C.B. W COMP.   |              |        |     |      |       |
|                        | F3189102A | P.C.B. W/O COMP. |              |        |     |      |       |
| C 6901                 | K12329001 | CERAMIC CAP.     | ECKDNS103ME  | 0.01uF | 2KV | E    |       |
| C 6902                 | K12329001 | CERAMIC CAP.     | ECKDNS103ME  | 0.01uF | 2KV | E    |       |
| D 6901                 | Q9000382  | SURGE ABSORBER   | ERZ-C10DK681 |        |     |      |       |
| D 6902                 | Q9000381  | SURGE ABSORBER   | ERZ-C10DK471 |        |     |      |       |
| D 6903                 | Q9000381  | SURGE ABSORBER   | ERZ-C10DK471 |        |     |      |       |
| FH6901                 | P2000024  | FUSE CLIP        | UF-0033#01   |        |     |      |       |
| FH6902                 | P2000024  | FUSE CLIP        | UF-0033#01   |        |     |      |       |
| J 6901                 | P0090810  | CONNECTOR        | WCF1063B     |        |     |      |       |
| J 6902                 | S5000091  | TERMINAL         | P-96         |        |     |      |       |

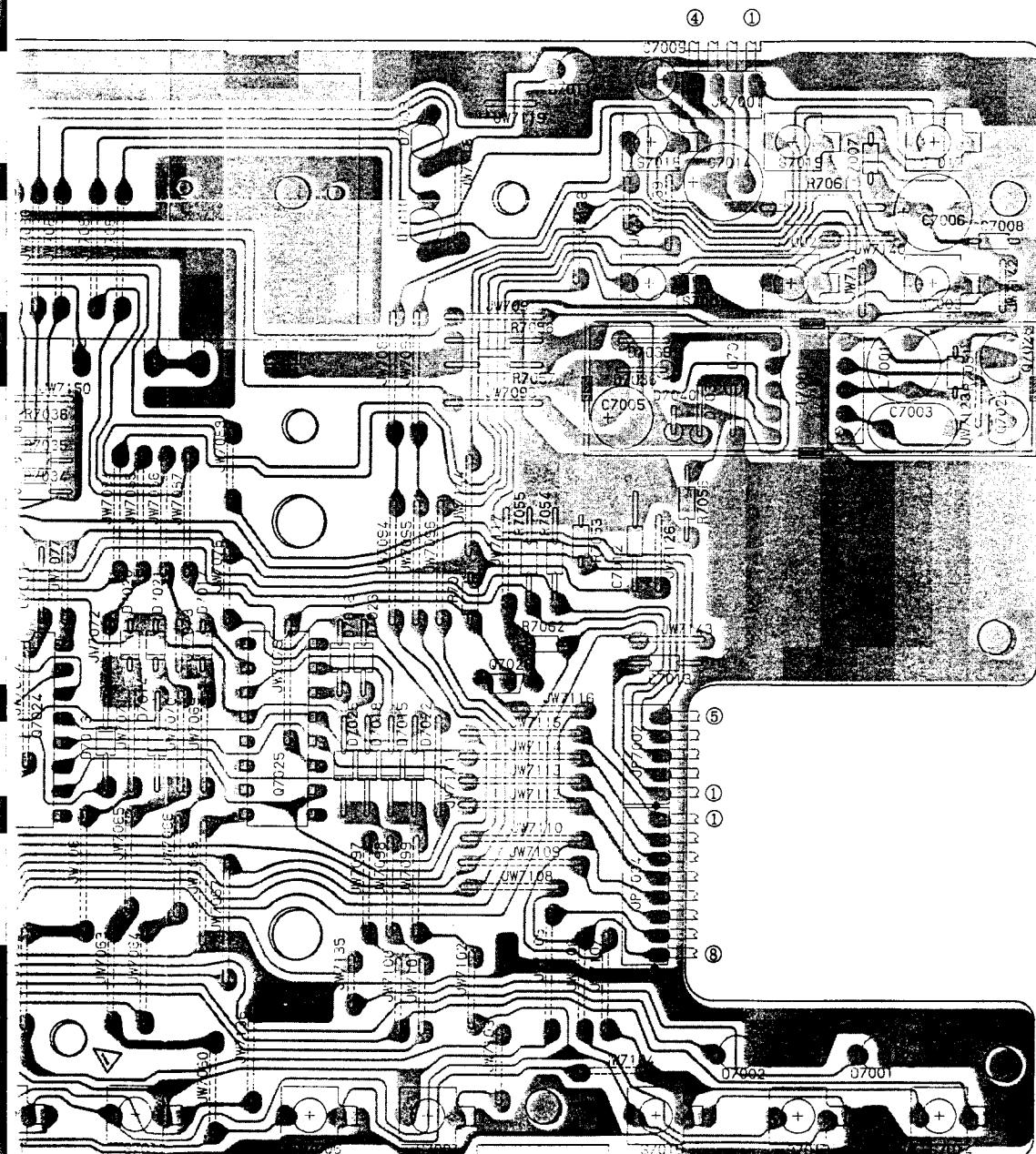
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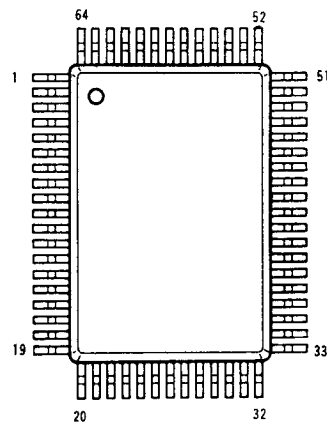
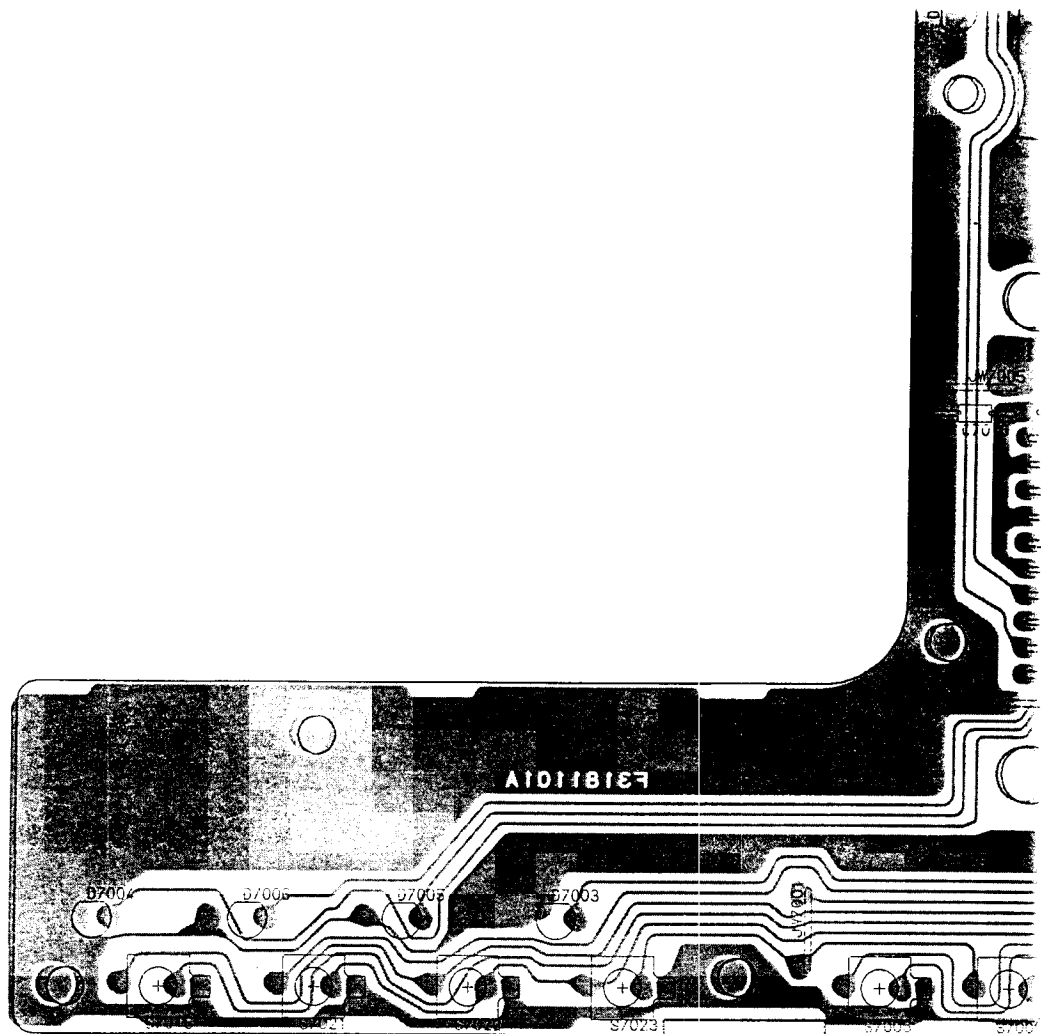




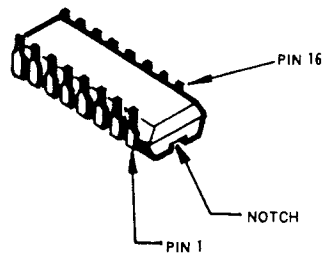
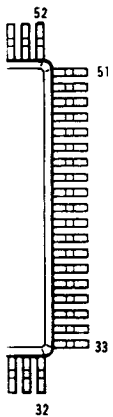
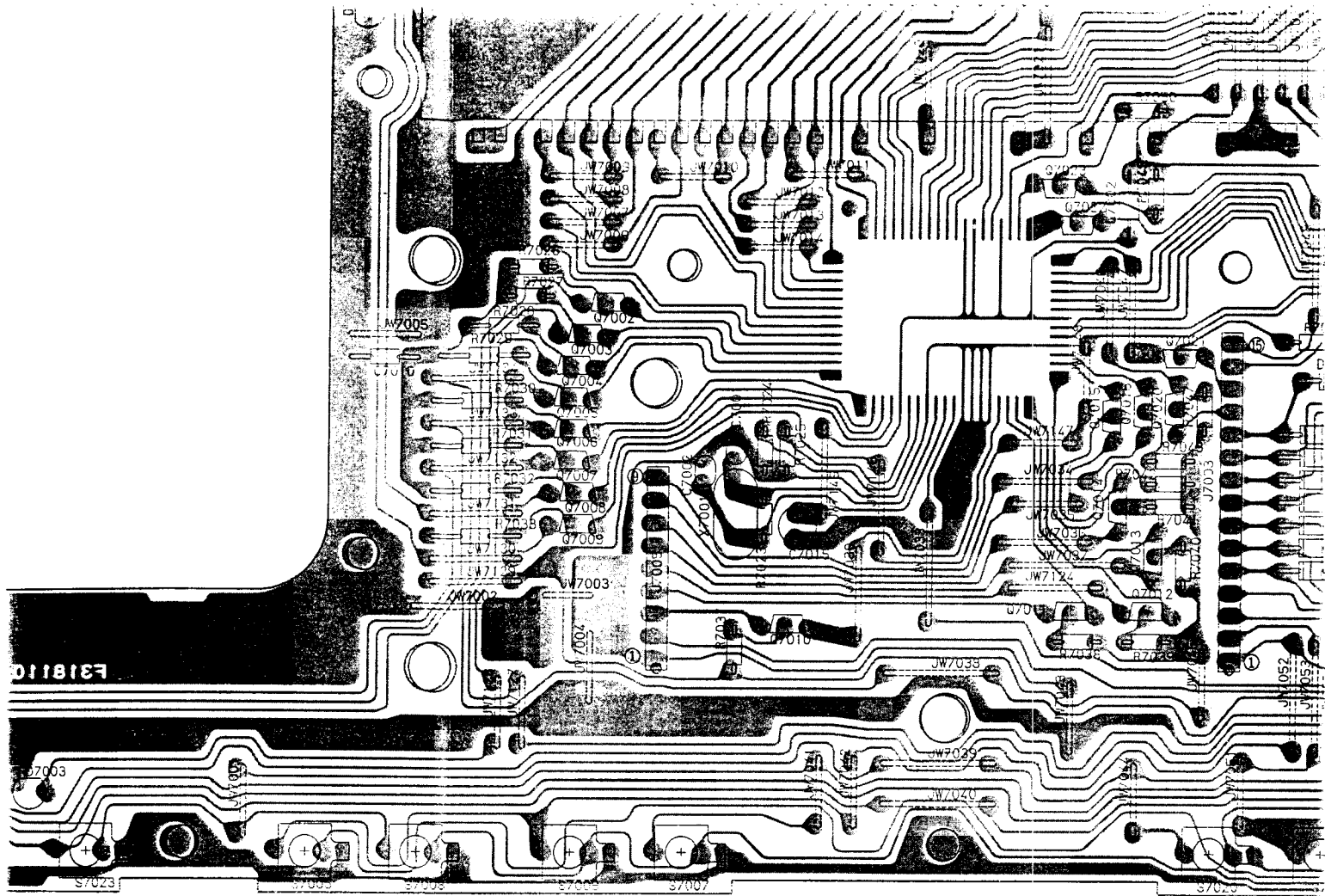


("component" side)



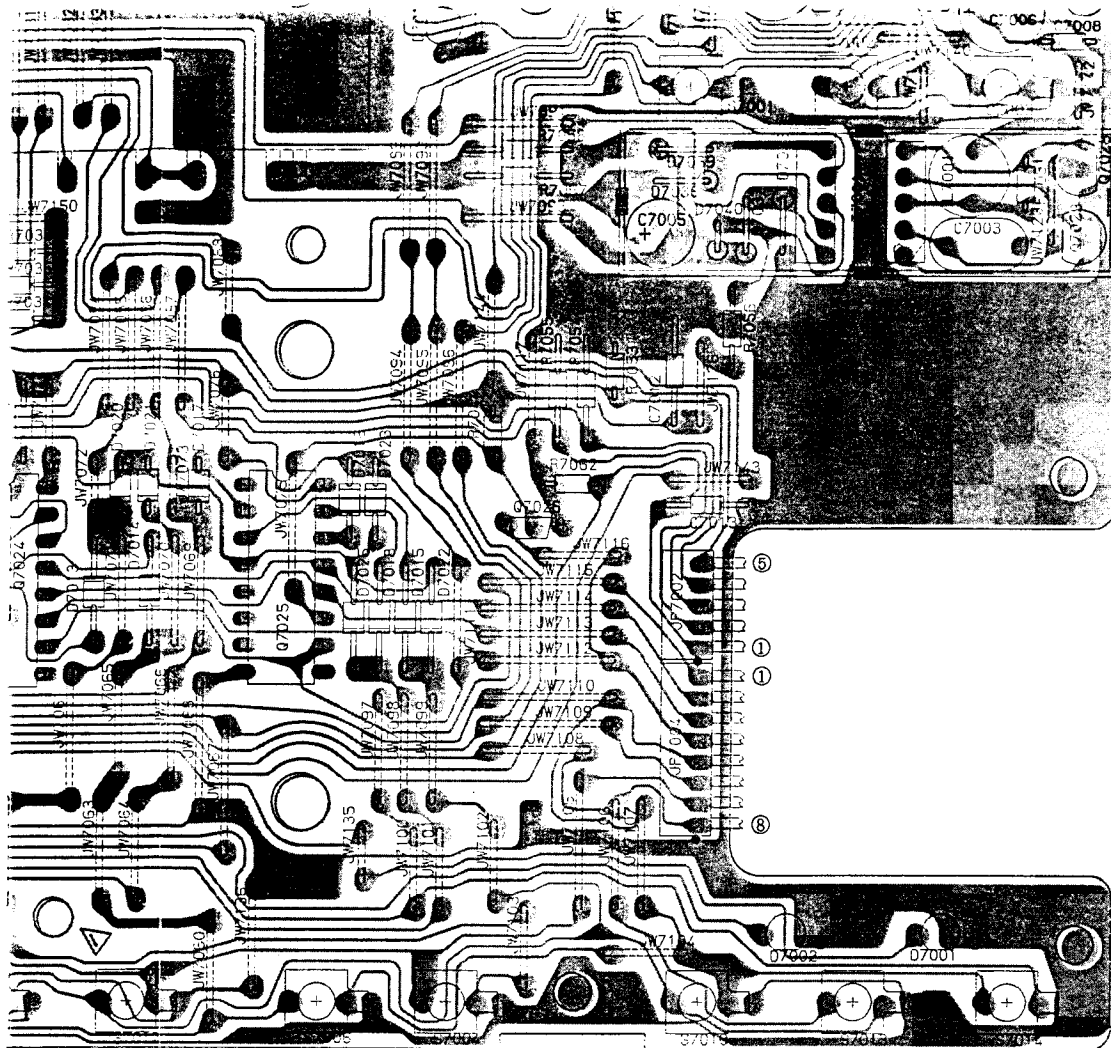


HD404728A22FS  
(Q7001)

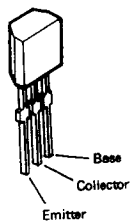


MC14028BCP  
(Q7024, 7025)

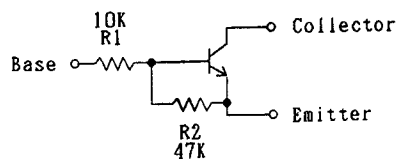




("component" side)



BA1A4P  
(Q7002, 7003, 7004,  
7005, 7006, 7007,  
7008, 7009, 7010,  
7011, 7012, 7013,  
7014, 7015, 7016,  
7017, 7018, 7019,  
7020, 7021, 7022,  
7023, 7026)

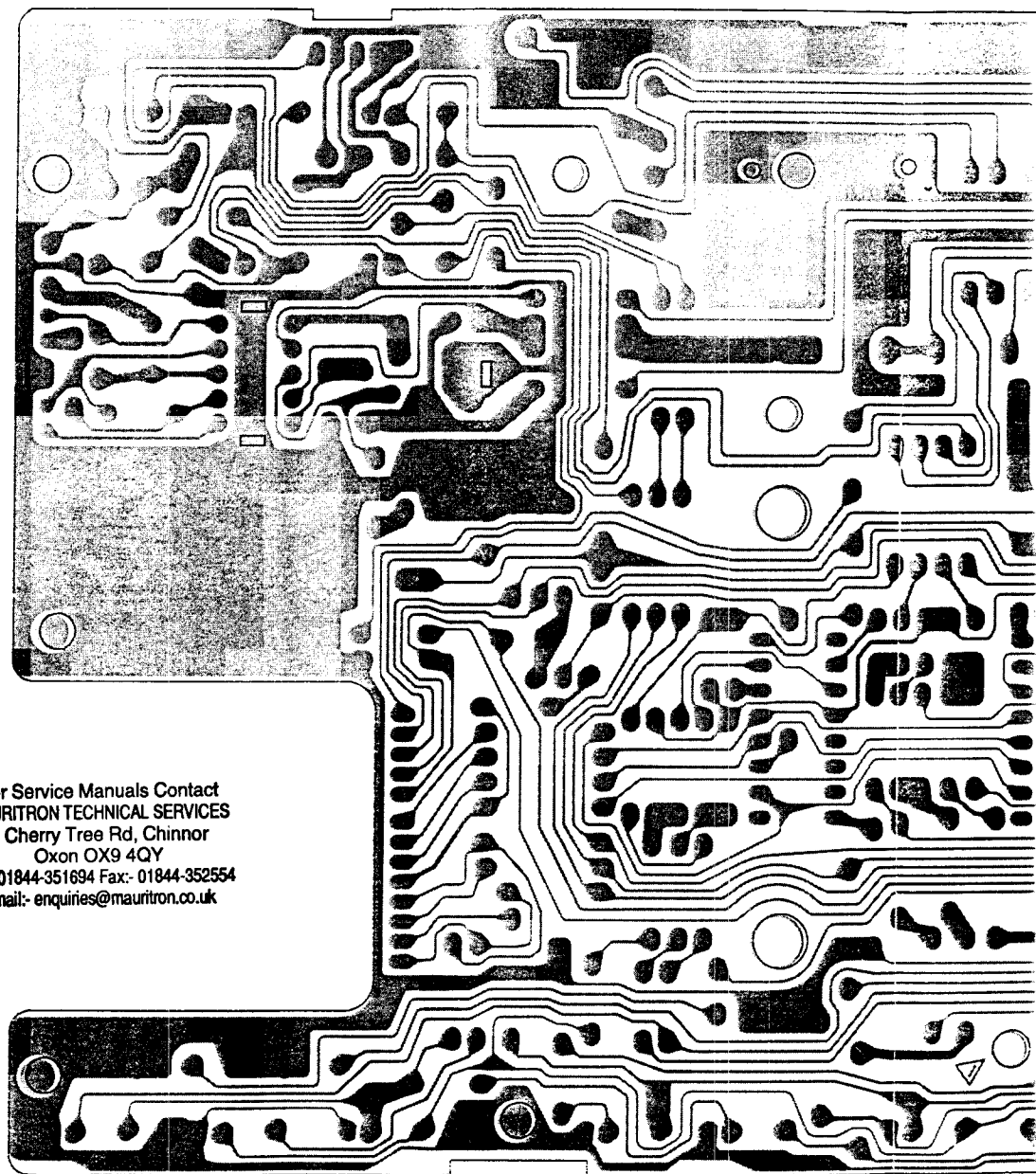


BA1A4P CIRCUIT DIAGRAM

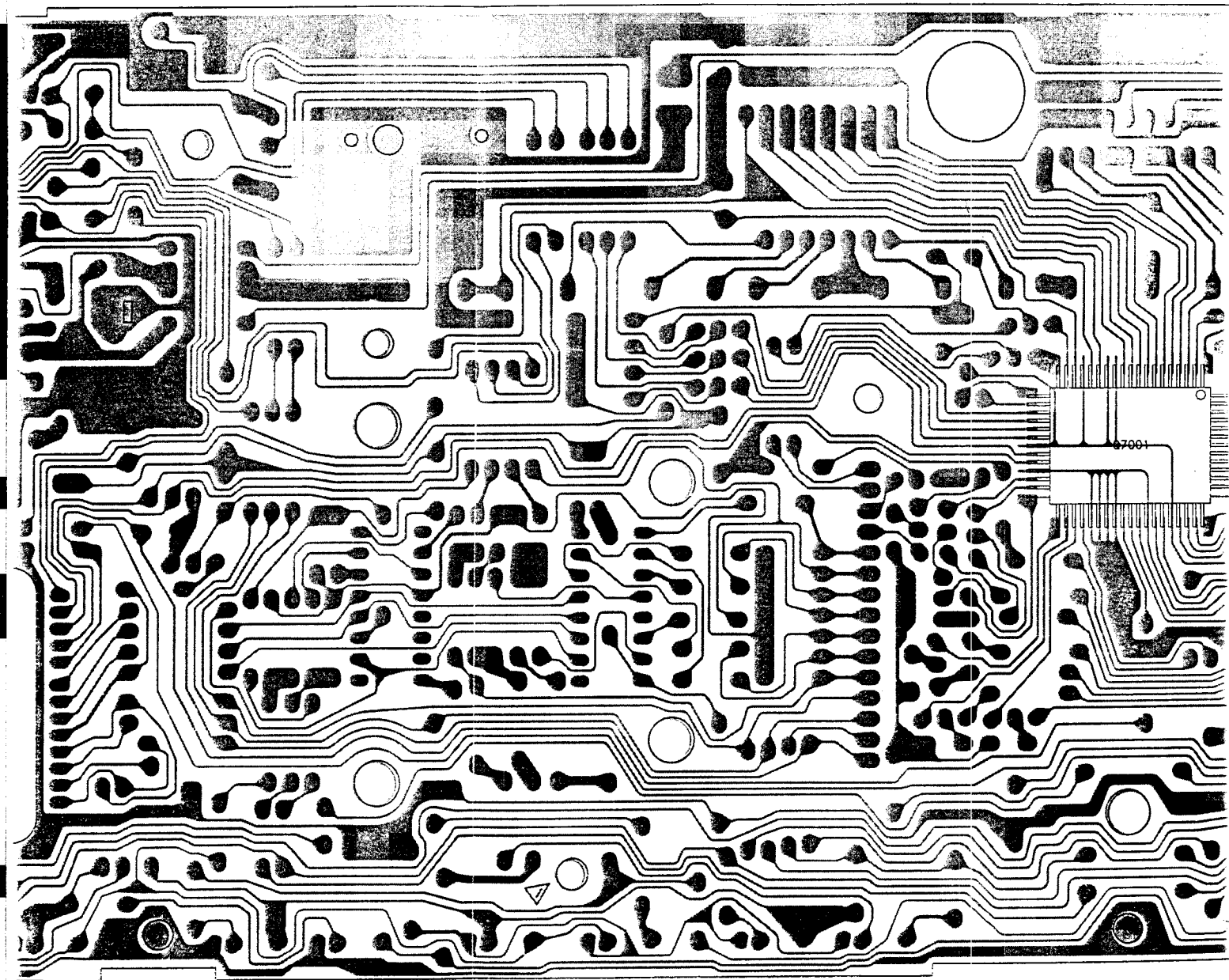
DISPLAY UNIT

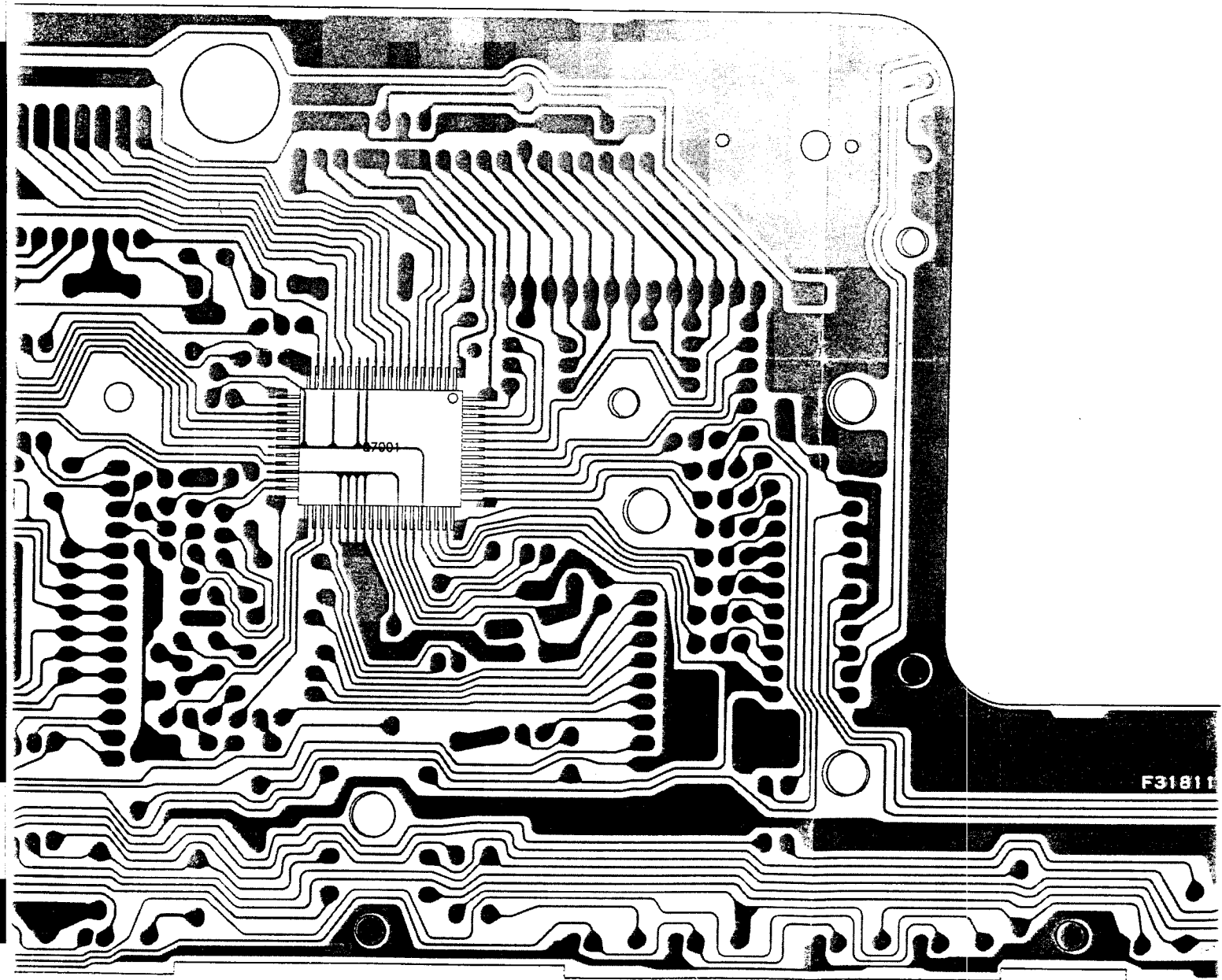
# Display Unit

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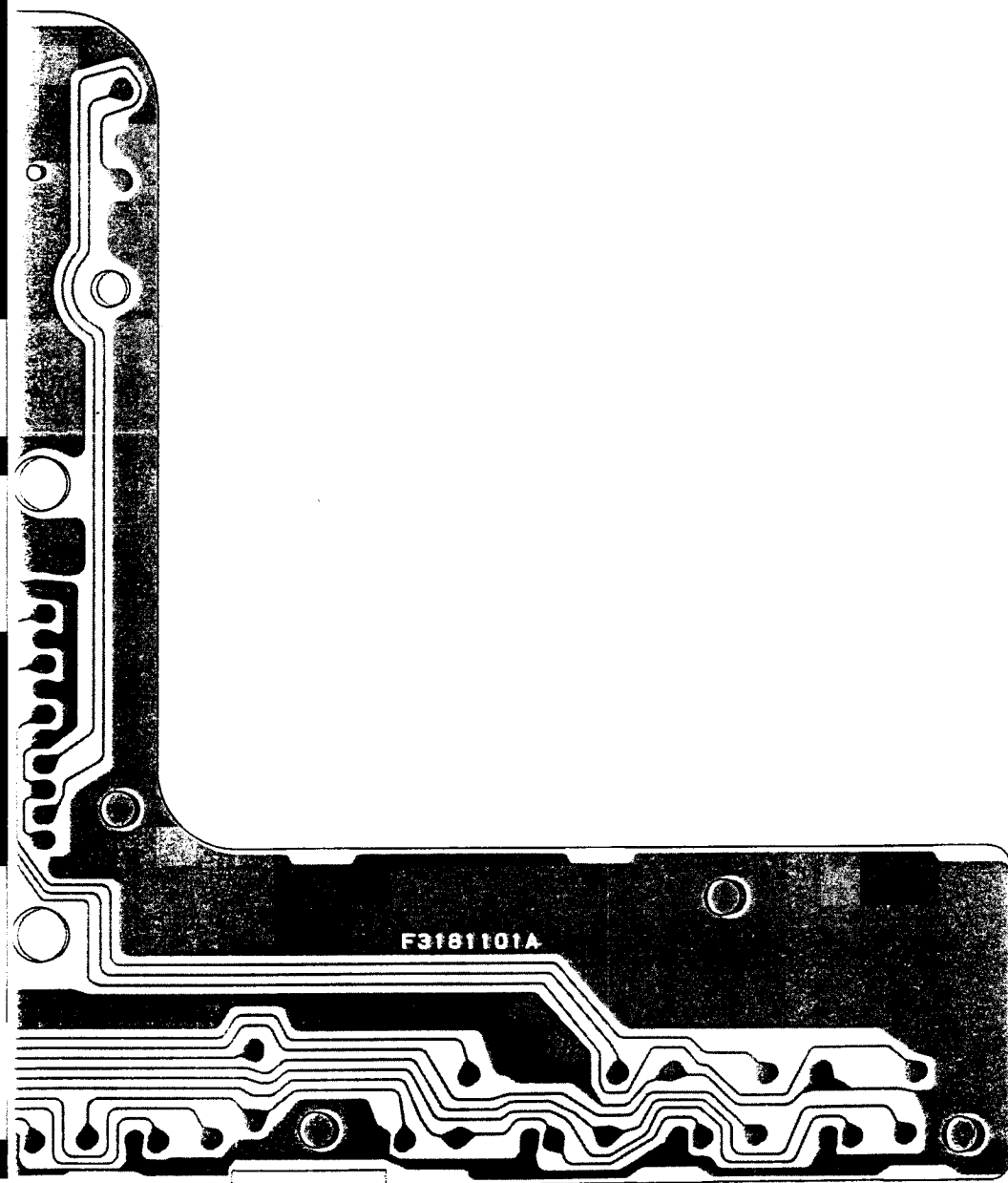


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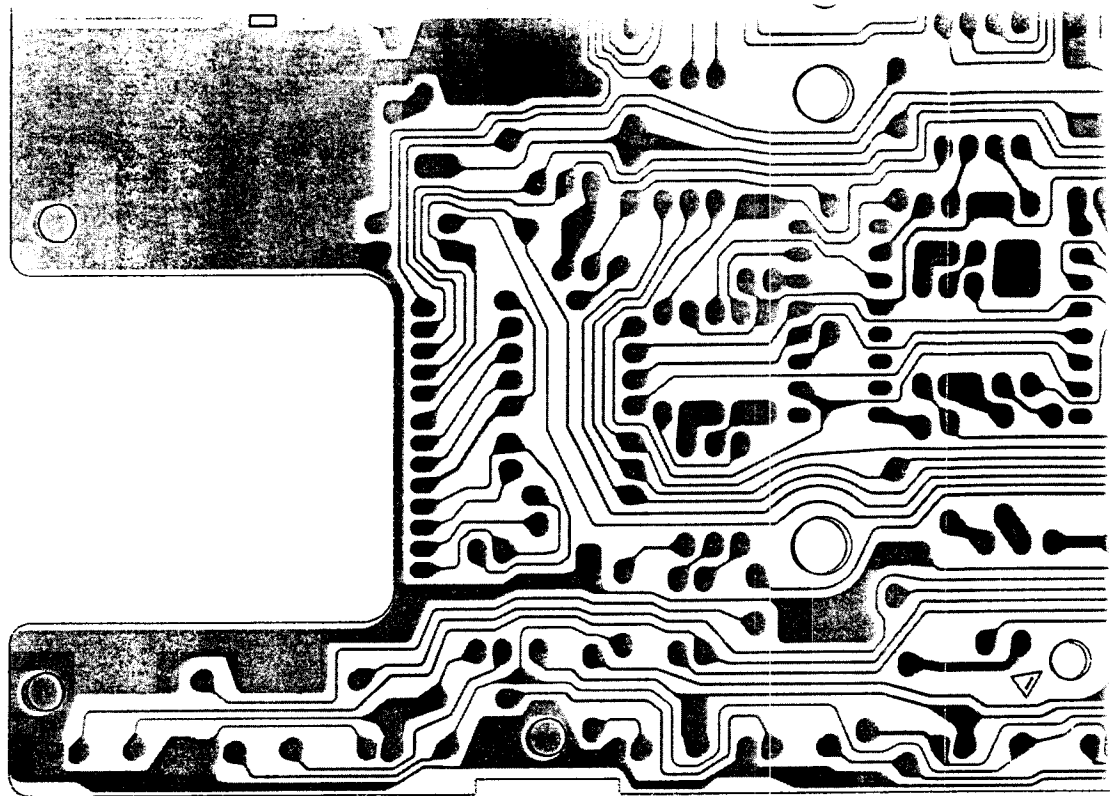


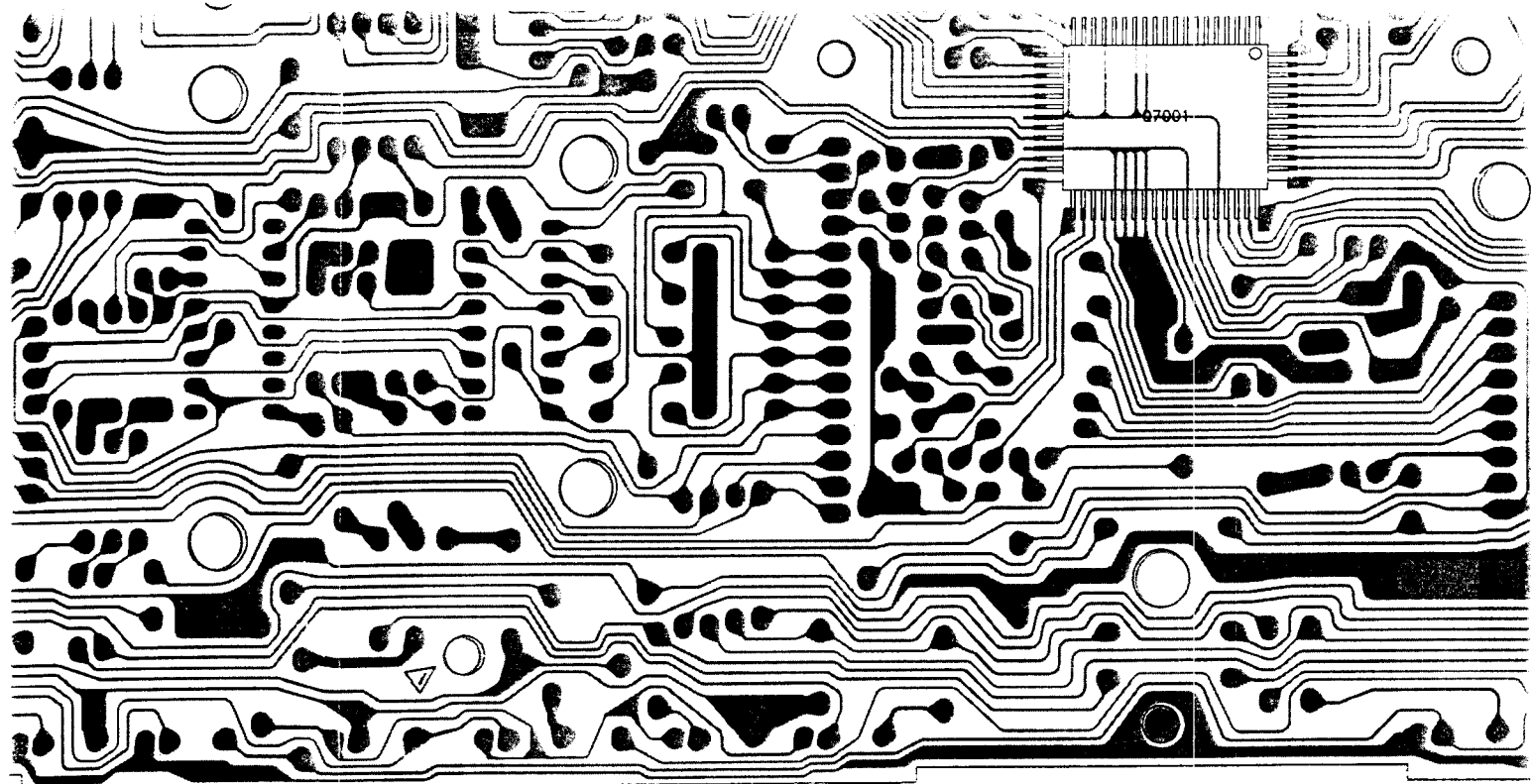
F31811

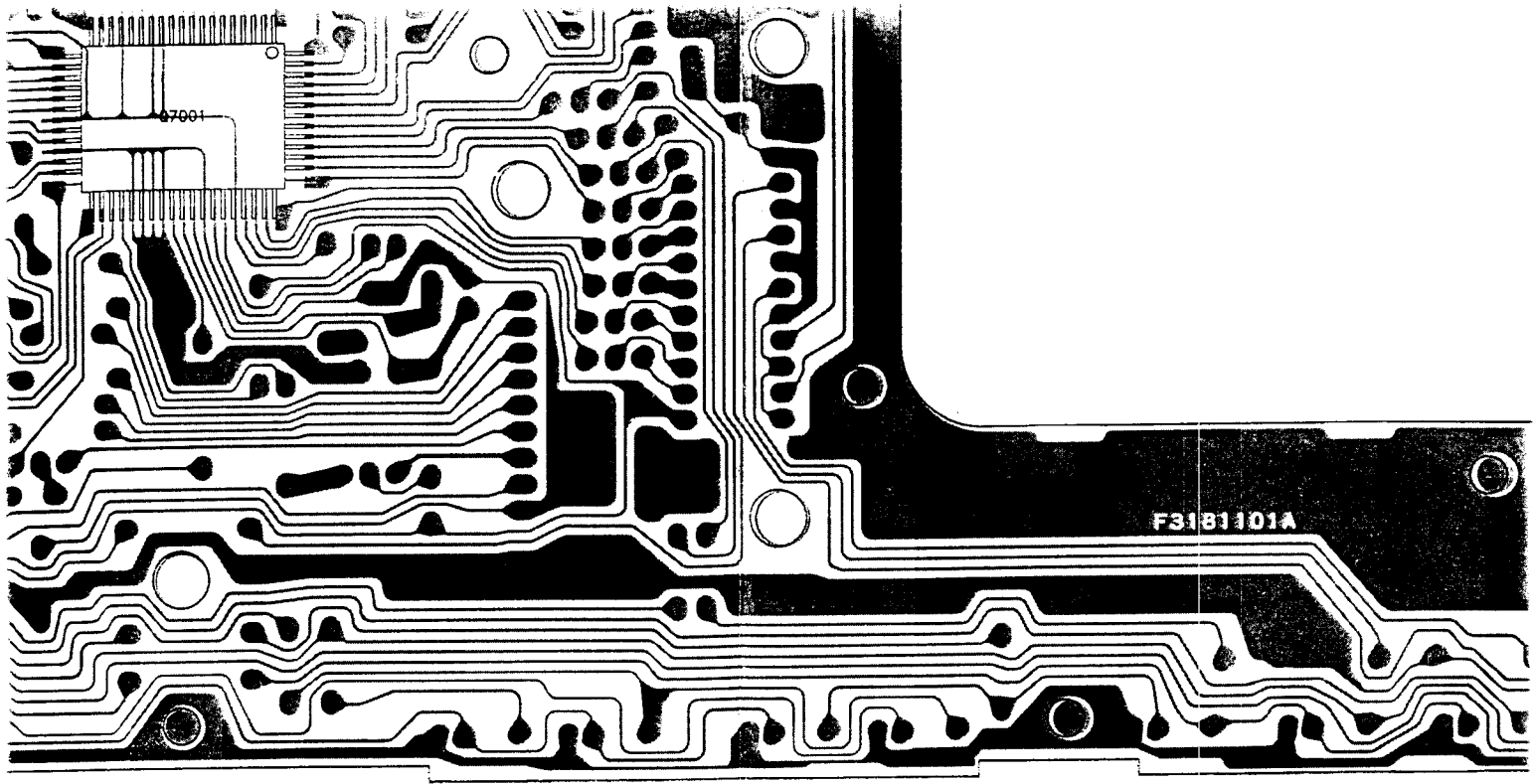


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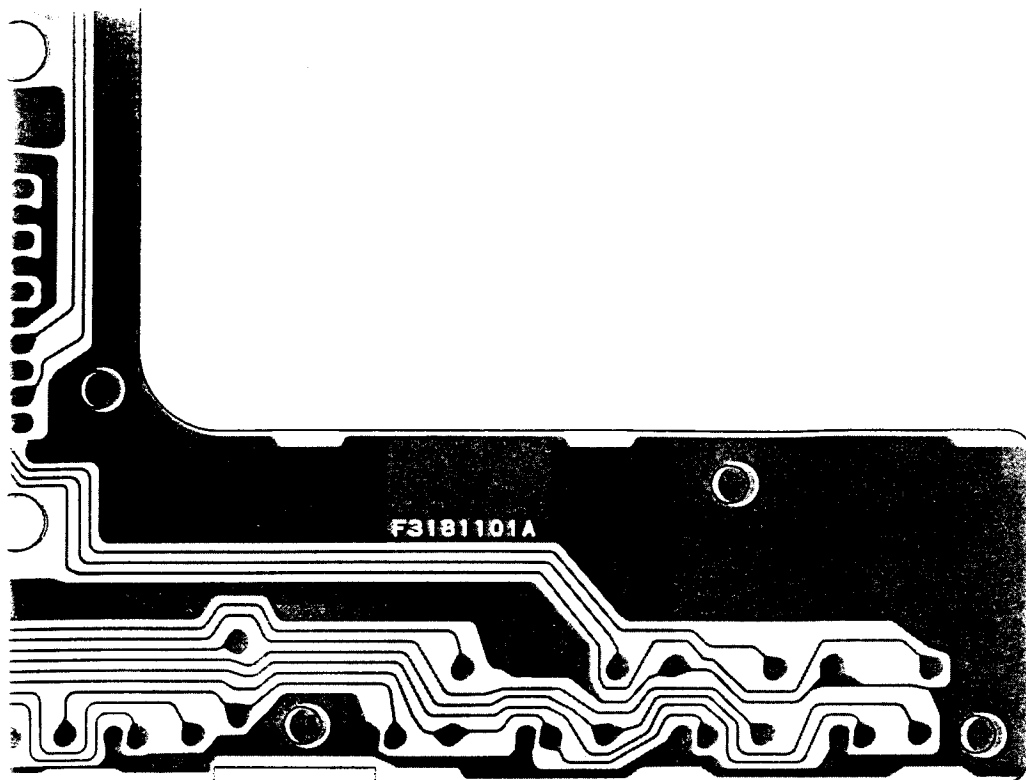








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("chip only" side)

# Display Unit

| REF.                 | YAESU P/N | DESCRIPTION       | MFGR'S DESIG      | VALUE   | WV  | TOL. | VERS. |
|----------------------|-----------|-------------------|-------------------|---------|-----|------|-------|
| *** DISPLAY UNIT *** |           |                   |                   |         |     |      |       |
|                      | CA0262001 | P.C.B. W COMP.    |                   |         |     |      |       |
|                      | F3181101A | P.C.B. W/O COMP.  |                   |         |     |      |       |
| C 7001               | K26170079 | CERAMIC CAP.      | DD104-289SL330J50 | 33pF    | 50V | SL   |       |
| C 7002               | K26170079 | CERAMIC CAP.      | DD104-289SL330J50 | 33pF    | 50V | SL   |       |
| C 7003               | K50177683 | FILM CAP.         | 50F2U683M         | 0.068   | 50V |      |       |
| C 7005               | K46170024 | AL. ELECTRO. CAP. | 50V470M6X11TR5    | 47uF    | 50V |      |       |
| C 7006               | K40129048 | AL. ELECTRO. CAP. | RE2-16V221M       | 220uF   | 16V |      |       |
| C 7007               | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 7008               | K28179002 | CERAMIC CAP.      | UP050F4732-A-B    | 0.047uF | 50V | F    |       |
| C 7009               | K46120004 | AL. ELECTRO. CAP. | 16V100M4X7TR2     | 10uF    | 16V |      |       |
| C 7010               | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 7011               | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 7012               | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 7013               | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 7014               | K40129048 | AL. ELECTRO. CAP. | RE2-16V221M       | 220uF   | 16V |      |       |
| C 7015               | K46120004 | AL. ELECTRO. CAP. | 16V100M4X7TR2     | 10uF    | 16V |      |       |
| D 7001               | G2050011  | LED               | LT3N44D           |         |     |      |       |
| D 7002               | G2050011  | LED               | LT3N44D           |         |     |      |       |
| D 7003               | G2050011  | LED               | LT3N44D           |         |     |      |       |
| D 7004               | G2050012  | LED               | LT3S44D           |         |     |      |       |
| D 7005               | G2050011  | LED               | LT3N44D           |         |     |      |       |
| D 7006               | G2050011  | LED               | LT3N44D           |         |     |      |       |
| D 7007               | G2050011  | LED               | LT3N44D           |         |     |      |       |
| D 7008               | G2050010  | LED               | LT3P44D           |         |     |      |       |
| D 7009               | G2050010  | LED               | LT3P44D           |         |     |      |       |
| D 7010               | G2050012  | LED               | LT3S44D           |         |     |      |       |
| D 7011               | G2050011  | LED               | LT3N44D           |         |     |      |       |
| D 7012               | G2060004  | DIODE             | 1SS270TJ          |         |     |      |       |
| D 7013               | G2060004  | DIODE             | 1SS270TJ          |         |     |      |       |
| D 7014               | G2060004  | DIODE             | 1SS270TJ          |         |     |      |       |
| D 7015               | G2060004  | DIODE             | 1SS270TJ          |         |     |      |       |
| D 7016               | G2060004  | DIODE             | 1SS270TJ          |         |     |      |       |
| D 7017               | G2060004  | DIODE             | 1SS270TJ          |         |     |      |       |
| D 7018               | G2060004  | DIODE             | 1SS270TJ          |         |     |      |       |
| D 7019               | G2060004  | DIODE             | 1SS270TJ          |         |     |      |       |
| D 7020               | G2060004  | DIODE             | 1SS270TJ          |         |     |      |       |
| D 7021               | G2060004  | DIODE             | 1SS270TJ          |         |     |      |       |
| D 7022               | G2060004  | DIODE             | 1SS270TJ          |         |     |      |       |
| D 7023               | G2060004  | DIODE             | 1SS270TJ          |         |     |      |       |
| D 7024               | G2060004  | DIODE             | 1SS270TJ          |         |     |      |       |
| D 7025               | G2060004  | DIODE             | 1SS270TJ          |         |     |      |       |
| D 7026               | G2060004  | DIODE             | 1SS270TJ          |         |     |      |       |
| D 7027               | G2060004  | DIODE             | 1SS270TJ          |         |     |      |       |
| D 7028               | G2060004  | DIODE             | 1SS270TJ          |         |     |      |       |
| D 7029               | G2060004  | DIODE             | 1SS270TJ          |         |     |      |       |
| D 7030               | G2060004  | DIODE             | 1SS270TJ          |         |     |      |       |
| D 7031               | G2060004  | DIODE             | 1SS270TJ          |         |     |      |       |
| D 7032               | G2060004  | DIODE             | 1SS270TJ          |         |     |      |       |
| D 7033               | G2060004  | DIODE             | 1SS270TJ          |         |     |      |       |
| D 7034               | G2060004  | DIODE             | 1SS270TJ          |         |     |      |       |

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# Display Unit

| REF.   | YAESU P/N | DESCRIPTION      | MFGR'S DESIG  | VALUE | WV   | TOL. | VERS. |
|--------|-----------|------------------|---------------|-------|------|------|-------|
| D 7035 | G2060004  | DIODE            | 1SS270TJ      |       |      |      |       |
| D 7036 | G2050007  | DIODE            | 1SS83RE       |       |      |      |       |
| D 7037 | G2050007  | DIODE            | 1SS83RE       |       |      |      |       |
| D 7038 | G2050007  | DIODE            | 1SS83RE       |       |      |      |       |
| D 7039 | G2050007  | DIODE            | 1SS83RE       |       |      |      |       |
| D 7040 | G2090154  | DIODE            | RD7.5EB1      |       |      |      |       |
| DS7001 | G6090081  | FCD              | FIP14DM9      |       |      |      |       |
| J 7003 | P0090774  | CONNECTOR        | SB15P-HVQ-A   |       |      |      |       |
| J 7005 | P0090773  | CONNECTOR        | SB09P-HVQ-A   |       |      |      |       |
| JP7001 | T9206021  | WIRE-ASSY        |               |       |      |      |       |
| JP7002 | T9206020  | WIRE-ASSY        |               |       |      |      |       |
| JP7004 | T9206019  | WIRE-ASSY        |               |       |      |      |       |
| L 7001 | L1190382  | M. RFC           | RCR-875D-222K | 2.2m  |      |      |       |
| L 7002 | L1790070  | M. RFC           | LAP02TA101K   | 100uH |      |      |       |
| Q 7001 | G1091170  | IC               | HD404728A22FS |       |      |      |       |
| Q 7002 | G3050003  | TRANSISTOR       | BA1A4P-T      |       |      |      |       |
| Q 7003 | G3050003  | TRANSISTOR       | BA1A4P-T      |       |      |      |       |
| Q 7004 | G3050003  | TRANSISTOR       | BA1A4P-T      |       |      |      |       |
| Q 7005 | G3050003  | TRANSISTOR       | BA1A4P-T      |       |      |      |       |
| Q 7006 | G3050003  | TRANSISTOR       | BA1A4P-T      |       |      |      |       |
| Q 7007 | G3050003  | TRANSISTOR       | BA1A4P-T      |       |      |      |       |
| Q 7008 | G3050003  | TRANSISTOR       | BA1A4P-T      |       |      |      |       |
| Q 7009 | G3050003  | TRANSISTOR       | BA1A4P-T      |       |      |      |       |
| Q 7010 | G3050003  | TRANSISTOR       | BA1A4P-T      |       |      |      |       |
| Q 7011 | G3050003  | TRANSISTOR       | BA1A4P-T      |       |      |      |       |
| Q 7012 | G3050003  | TRANSISTOR       | BA1A4P-T      |       |      |      |       |
| Q 7013 | G3050003  | TRANSISTOR       | BA1A4P-T      |       |      |      |       |
| Q 7014 | G3050003  | TRANSISTOR       | BA1A4P-T      |       |      |      |       |
| Q 7015 | G3050003  | TRANSISTOR       | BA1A4P-T      |       |      |      |       |
| Q 7016 | G3050003  | TRANSISTOR       | BA1A4P-T      |       |      |      |       |
| Q 7017 | G3050003  | TRANSISTOR       | BA1A4P-T      |       |      |      |       |
| Q 7018 | G3050003  | TRANSISTOR       | BA1A4P-T      |       |      |      |       |
| Q 7019 | G3050003  | TRANSISTOR       | BA1A4P-T      |       |      |      |       |
| Q 7020 | G3050003  | TRANSISTOR       | BA1A4P-T      |       |      |      |       |
| Q 7021 | G3050003  | TRANSISTOR       | BA1A4P-T      |       |      |      |       |
| Q 7022 | G3050003  | TRANSISTOR       | BA1A4P-T      |       |      |      |       |
| Q 7023 | G3050003  | TRANSISTOR       | BA1A4P-T      |       |      |      |       |
| Q 7024 | G1090088  | IC               | MC14028BCP    |       |      |      |       |
| Q 7025 | G1090088  | IC               | MC14028BCP    |       |      |      |       |
| Q 7026 | G3050003  | TRANSISTOR       | BA1A4P-T      |       |      |      |       |
| Q 7028 | G3406670C | TRANSISTOR       | 2SD667C       |       |      |      |       |
| Q 7029 | G3406670C | TRANSISTOR       | 2SD667C       |       |      |      |       |
| R 7001 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |
| R 7002 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |
| R 7003 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |
| R 7004 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |
| R 7005 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |
| R 7006 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |
| R 7007 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |

| REF.   | YAESU P/N | DESCRIPTION      | MFGR'S DESIG  | VALUE | WV   | TOL. | VERS. |
|--------|-----------|------------------|---------------|-------|------|------|-------|
| R 7008 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |
| R 7009 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |
| R 7010 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |
| R 7011 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |
| R 7012 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |
| R 7013 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |
| R 7014 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |
| R 7015 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |
| R 7016 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |
| R 7017 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |
| R 7018 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |
| R 7019 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |
| R 7020 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |
| R 7021 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |
| R 7022 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |
| R 7023 | J07225105 | CARBON FILM RES. | RD16TPJ105    | 1M    | 1/6W |      |       |
| R 7024 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |
| R 7025 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |
| R 7026 | J07225151 | CARBON FILM RES. | RD16TPJ151    | 150   | 1/6W |      |       |
| R 7027 | J07225151 | CARBON FILM RES. | RD16TPJ151    | 150   | 1/6W |      |       |
| R 7028 | J07225151 | CARBON FILM RES. | RD16TPJ151    | 150   | 1/6W |      |       |
| R 7029 | J07225151 | CARBON FILM RES. | RD16TPJ151    | 150   | 1/6W |      |       |
| R 7030 | J07225151 | CARBON FILM RES. | RD16TPJ151    | 150   | 1/6W |      |       |
| R 7031 | J07225151 | CARBON FILM RES. | RD16TPJ151    | 150   | 1/6W |      |       |
| R 7032 | J07225151 | CARBON FILM RES. | RD16TPJ151    | 150   | 1/6W |      |       |
| R 7033 | J07225561 | CARBON FILM RES. | RD16TPJ561    | 560   | 1/6W |      |       |
| R 7034 | J07225561 | CARBON FILM RES. | RD16TPJ561    | 560   | 1/6W |      |       |
| R 7035 | J07225151 | CARBON FILM RES. | RD16TPJ151    | 150   | 1/6W |      |       |
| R 7036 | J07225151 | CARBON FILM RES. | RD16TPJ151    | 150   | 1/6W |      |       |
| R 7037 | J07225181 | CARBON FILM RES. | RD16TPJ181    | 180   | 1/6W |      |       |
| R 7038 | J07225181 | CARBON FILM RES. | RD16TPJ181    | 180   | 1/6W |      |       |
| R 7039 | J07225181 | CARBON FILM RES. | RD16TPJ181    | 180   | 1/6W |      |       |
| R 7040 | J07225181 | CARBON FILM RES. | RD16TPJ181    | 180   | 1/6W |      |       |
| R 7041 | J07225181 | CARBON FILM RES. | RD16TPJ181    | 180   | 1/6W |      |       |
| R 7042 | J07225181 | CARBON FILM RES. | RD16TPJ181    | 180   | 1/6W |      |       |
| R 7043 | J07225181 | CARBON FILM RES. | RD16TPJ181    | 180   | 1/6W |      |       |
| R 7044 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |
| R 7047 | J07225181 | CARBON FILM RES. | RD16TPJ181    | 180   | 1/6W |      |       |
| R 7048 | J07225181 | CARBON FILM RES. | RD16TPJ181    | 180   | 1/6W |      |       |
| R 7049 | J07225181 | CARBON FILM RES. | RD16TPJ181    | 180   | 1/6W |      |       |
| R 7050 | J07225181 | CARBON FILM RES. | RD16TPJ181    | 180   | 1/6W |      |       |
| R 7051 | J07225332 | CARBON FILM RES. | RD16TPJ332    | 3.3K  | 1/6W |      |       |
| R 7052 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |
| R 7053 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |
| R 7054 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |
| R 7055 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |
| R 7056 | J07225473 | CARBON FILM RES. | RD16TPJ473    | 47K   | 1/6W |      |       |
| R 7057 | J07225479 | CARBON FILM RES. | RD16TPJ4R7    | 4.7   | 1/6W |      |       |
| R 7058 | J07225479 | CARBON FILM RES. | RD16TPJ4R7    | 4.7   | 1/6W |      |       |
| R 7059 | J07225479 | CARBON FILM RES. | RD16TPJ4R7    | 4.7   | 1/6W |      |       |
| R 7060 | J07225479 | CARBON FILM RES. | RD16TPJ4R7    | 4.7   | 1/6W |      |       |
| R 7061 | J01275100 | CARBON FILM RES. | RD12TJ100     | 10    | 1/2W |      |       |
| R 7062 | J07225104 | CARBON FILM RES. | RD16TPJ104    | 100K  | 1/6W |      |       |
| S 7001 | N5090047  | TACT SWITCH      | EVQ-333 H=9.5 |       |      |      |       |

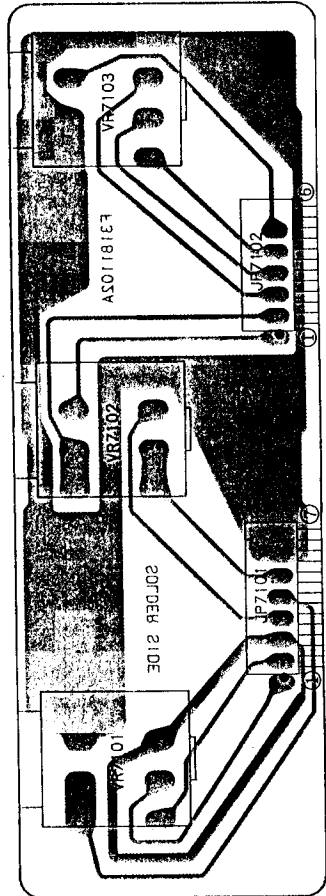
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 Email: enquiries@mauritron.co.uk

# Display Unit

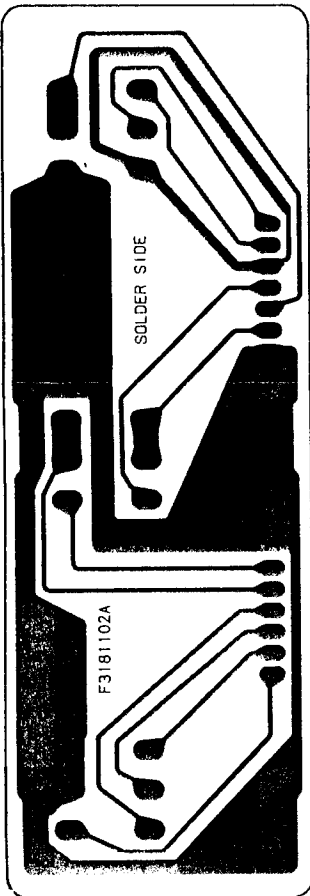
| REF.   | YAESU P/N | DESCRIPTION          | MFGR'S DESIG  | VALUE | WV | TOL. | VERS. |
|--------|-----------|----------------------|---------------|-------|----|------|-------|
| S 7002 | N5090047  | TACT SWITCH          | EVQ-333 H=9.5 |       |    |      |       |
| S 7003 | N5090047  | TACT SWITCH          | EVQ-333 H=9.5 |       |    |      |       |
| S 7004 | N5090047  | TACT SWITCH          | EVQ-333 H=9.5 |       |    |      |       |
| S 7005 | N5090047  | TACT SWITCH          | EVQ-333 H=9.5 |       |    |      |       |
| S 7006 | N5090047  | TACT SWITCH          | EVQ-333 H=9.5 |       |    |      |       |
| S 7007 | N5090047  | TACT SWITCH          | EVQ-333 H=9.5 |       |    |      |       |
| S 7008 | N5090047  | TACT SWITCH          | EVQ-333 H=9.5 |       |    |      |       |
| S 7009 | N5090047  | TACT SWITCH          | EVQ-333 H=9.5 |       |    |      |       |
| S 7010 | N5090047  | TACT SWITCH          | EVQ-333 H=9.5 |       |    |      |       |
| S 7011 | N5090047  | TACT SWITCH          | EVQ-333 H=9.5 |       |    |      |       |
| S 7012 | N5090047  | TACT SWITCH          | EVQ-333 H=9.5 |       |    |      |       |
| S 7013 | N5090047  | TACT SWITCH          | EVQ-333 H=9.5 |       |    |      |       |
| S 7014 | N5090047  | TACT SWITCH          | EVQ-333 H=9.5 |       |    |      |       |
| S 7015 | N5090047  | TACT SWITCH          | EVQ-333 H=9.5 |       |    |      |       |
| S 7016 | N5090047  | TACT SWITCH          | EVQ-333 H=9.5 |       |    |      |       |
| S 7017 | N5090047  | TACT SWITCH          | EVQ-333 H=9.5 |       |    |      |       |
| S 7018 | N5090047  | TACT SWITCH          | EVQ-333 H=9.5 |       |    |      |       |
| S 7019 | N5090047  | TACT SWITCH          | EVQ-333 H=9.5 |       |    |      |       |
| S 7020 | N5090047  | TACT SWITCH          | EVQ-333 H=9.5 |       |    |      |       |
| S 7021 | N5090047  | TACT SWITCH          | EVQ-333 H=9.5 |       |    |      |       |
| S 7022 | N5090047  | TACT SWITCH          | EVQ-333 H=9.5 |       |    |      |       |
| S 7023 | N5090047  | TACT SWITCH          | EVQ-333 H=9.5 |       |    |      |       |
| T 7001 | L3030136  | TRANS.               | 2890 EI-127   |       |    |      |       |
| X 7001 | H7900170  | CERAMIC OSC          | CSA4.00MG5    |       |    |      |       |
|        | R0136910  | SHIELD CASE          |               |       |    |      |       |
|        | S6000233  | CIRCUIT BOARD SPACER | RSPLS-12L     |       |    |      |       |
|        | S6000234  | CIRCUIT BOARD SPACER | RSPS-12L      |       |    |      |       |
|        | R3131740  | FIP HOLDER           |               |       |    |      |       |
|        | R3131750  | FIP HOLDER           |               |       |    |      |       |

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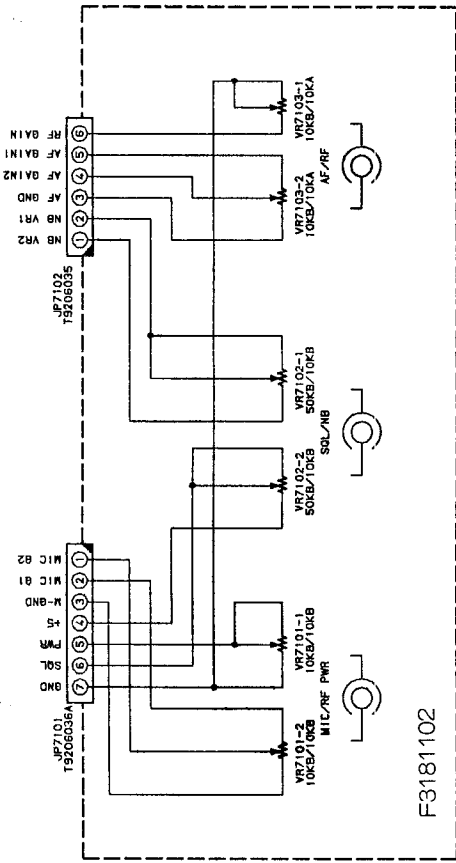




("component" side)



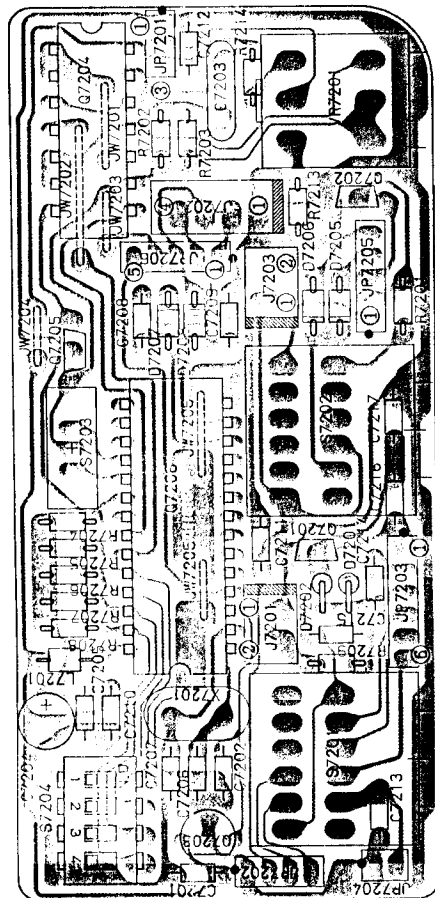
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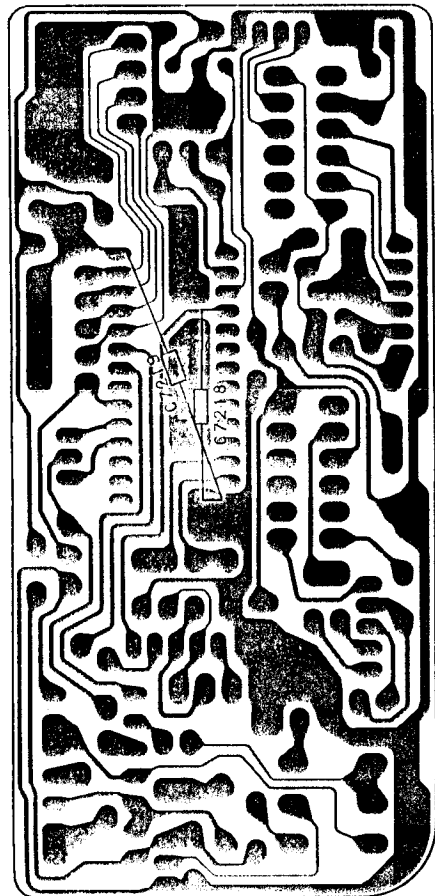
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# Potentiometer (VR) Unit

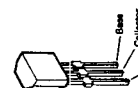
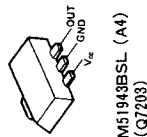
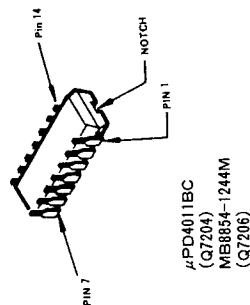
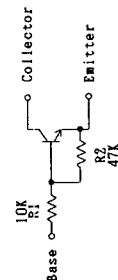
| REF.            | YAESU P/N | DESCRIPTION      | MFGR'S DESIG | VALUE     | WV | TOL. | VERS. |
|-----------------|-----------|------------------|--------------|-----------|----|------|-------|
| *** VR UNIT *** |           |                  |              |           |    |      |       |
|                 | CA0417001 | P.C.B. W COMP.   |              |           |    |      |       |
|                 | F3181102  | P.C.B. W/O COMP. |              |           |    |      |       |
| JP7101          | T9206036A | WIRE-ASSY        |              |           |    |      |       |
| JP7102          | T9206035  | WIRE-ASSY        |              |           |    |      |       |
| VR7101          | J62800105 | POT.             | RK12         | 10KB/10KB |    |      |       |
| VR7102          | J62800109 | POT.             | RK1242210    | 50KB/10KB |    |      |       |
| VR7103          | J62800110 | POT.             | RK12         | 10KB/10KA |    |      |       |
|                 | R0136870  | FITTING          |              |           |    |      |       |



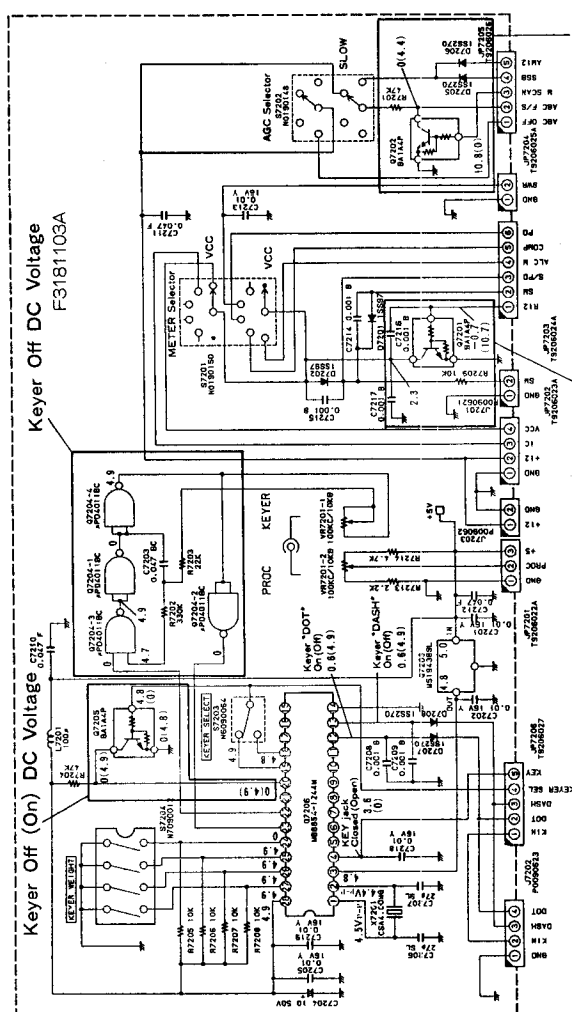
(“component” side)



**(“chip only” side)**

BA1A4P  
(Q7201, 7202, 7205)

BA1A4P CIRCUIT DIAGRAM



Measuring Conditions  
METER Selector: VCC  
AGC Selector: SLOW  
Keyer Weight Switches  
Keyer Selector Switches

**NOTE:** REGISTER VALUES ARE IN 1/8 INCH; INDICATOR VALUES ARE IN 1/4 INCH.  
IF A VALUE IS NOTED, IT IS LESS THAN SERVICE.

Measuring Conditions  
METER Selector: VCC  
AGC Selector: SLOW  
Keyer Weight Switches: all Off  
Keyer Selector Switch: position

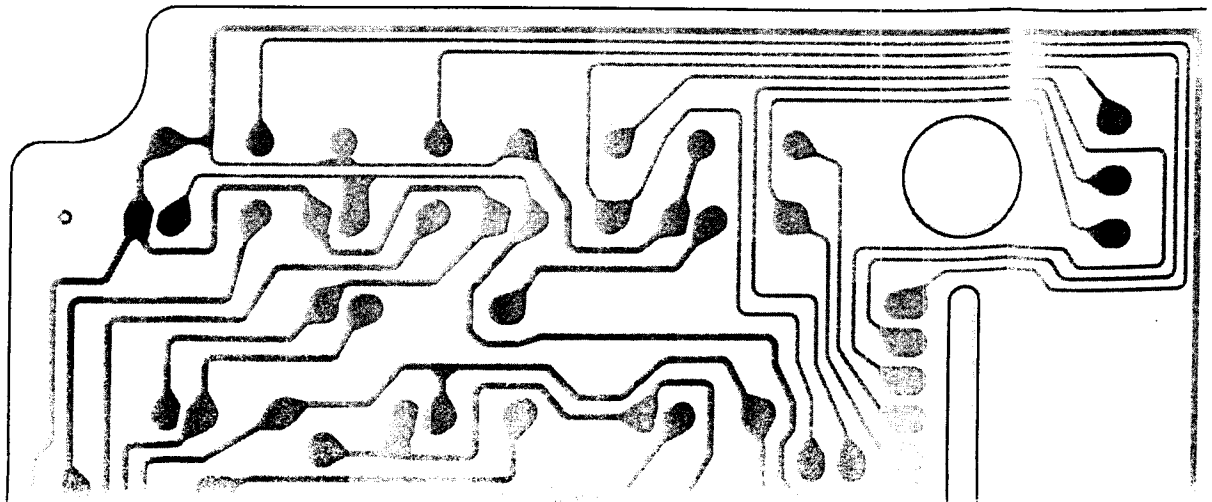
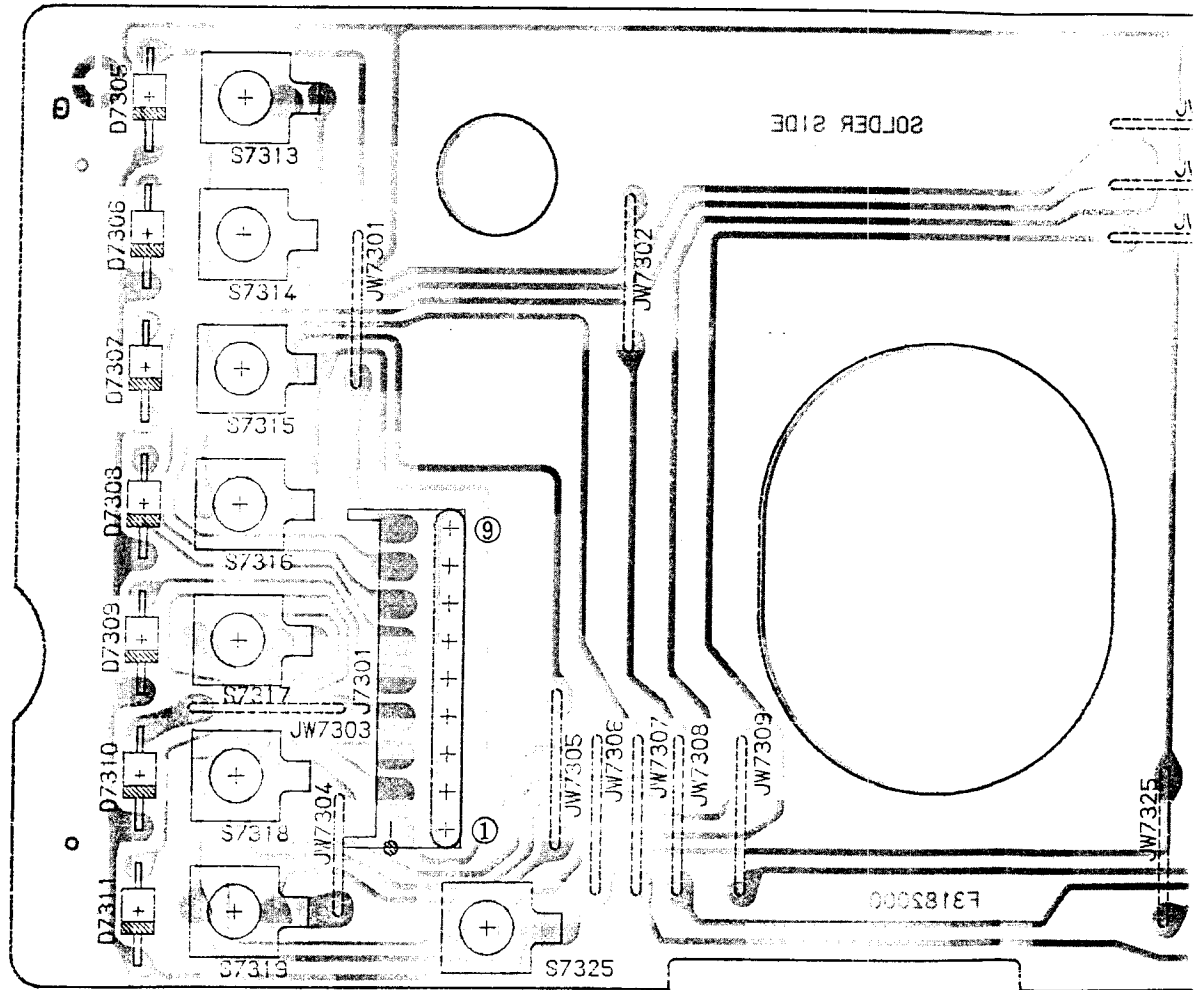
# Switch A (SW-A) Unit

| REF.              | YAESU P/N | DESCRIPTION       | MFGR'S DESIG      | VALUE   | WV   | TOL. | VERS. |
|-------------------|-----------|-------------------|-------------------|---------|------|------|-------|
| *** SW A UNIT *** |           |                   |                   |         |      |      |       |
|                   | CA0416001 | P.C.B. W COMP.    |                   |         |      |      |       |
|                   | F3181103A | P.C.B. W/O COMP.  |                   |         |      |      |       |
| C 7201            | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V  | Y    |       |
| C 7202            | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V  | Y    |       |
| C 7203            | K26170758 | CERAMIC CAP.      | DD310-979BC473M50 | 0.047uF | 50V  | BC   |       |
| C 7204            | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF    | 50V  |      |       |
| C 7205            | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V  | Y    |       |
| C 7206            | K28179028 | CERAMIC CAP.      | UP050SL270J-A-B   | 27pF    | 50V  | SL   |       |
| C 7207            | K28179028 | CERAMIC CAP.      | UP050SL270J-A-B   | 27pF    | 50V  | SL   |       |
| C 7208            | K28179001 | CERAMIC CAP.      | UP050B102K-A-B    | 0.001uF | 50V  | B    |       |
| C 7209            | K28179001 | CERAMIC CAP.      | UP050B102K-A-B    | 0.001uF | 50V  | B    |       |
| C 7210            | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B    | 0.047uF | 50V  | F    |       |
| C 7211            | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B    | 0.047uF | 50V  | F    |       |
| C 7212            | K28179002 | CERAMIC CAP.      | UP050F473Z-A-B    | 0.047uF | 50V  | F    |       |
| C 7213            | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V  | Y    |       |
| C 7214            | K28179001 | CERAMIC CAP.      | UP050B102K-A-B    | 0.001uF | 50V  | B    |       |
| C 7215            | K28179001 | CERAMIC CAP.      | UP050B102K-A-B    | 0.001uF | 50V  | B    |       |
| C 7216            | K28179001 | CERAMIC CAP.      | UP050B102K-A-B    | 0.001uF | 50V  | B    |       |
| C 7217            | K28179001 | CERAMIC CAP.      | UP050B102K-A-B    | 0.001uF | 50V  | B    |       |
| C 7218            | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V  | Y    |       |
| C 7219            | K28129001 | CERAMIC CAP.      | EP050Y103N-A      | 0.01uF  | 16V  | Y    |       |
| D 7201            | G2090118  | DIODE             | 1SS97             |         |      |      |       |
| D 7202            | G2090118  | DIODE             | 1SS97             |         |      |      |       |
| D 7205            | G2060004  | DIODE             | 1SS270TJ          |         |      |      |       |
| D 7206            | G2060004  | DIODE             | 1SS270TJ          |         |      |      |       |
| D 7207            | G2060004  | DIODE             | 1SS270TJ          |         |      |      |       |
| D 7208            | G2060004  | DIODE             | 1SS270TJ          |         |      |      |       |
| J 7201            | P0090621  | CONNECTOR         | SC25-02WS         |         |      |      |       |
| J 7202            | P0090623  | CONNECTOR         | SC25-04WS         |         |      |      |       |
| J 7203            | P0090621  | CONNECTOR         | SC25-02WS         |         |      |      |       |
| JP7201            | T9206022A | WIRE-ASSY         |                   |         |      |      |       |
| JP7202            | T9206023A | WIRE-ASSY         |                   |         |      |      |       |
| JP7203            | T9206024A | WIRE-ASSY         |                   |         |      |      |       |
| JP7204            | T9206025A | WIRE-ASSY         |                   |         |      |      |       |
| JP7205            | T9206026  | WIRE-ASSY         |                   |         |      |      |       |
| JP7206            | T9206027  | WIRE-ASSY         |                   |         |      |      |       |
| L 7201            | L1790070  | M. RFC            | LAP02TA101K       | 100uH   |      |      |       |
| Q 7201            | G3050003  | TRANSISTOR        | BA1A4P-T          |         |      |      |       |
| Q 7202            | G3050003  | TRANSISTOR        | BA1A4P-T          |         |      |      |       |
| Q 7203            | G1090840  | IC                | M51943BSL         |         |      |      |       |
| Q 7204            | G1090282  | IC                | UPD4011BC         |         |      |      |       |
| Q 7205            | G3050003  | TRANSISTOR        | BA1A4P-T          |         |      |      |       |
| Q 7206            | G1090999  | IC                | MB8854-1244M      |         |      |      |       |
| R 7201            | J07225473 | CARBON FILM RES.  | RD16TPJ473        | 47K     | 1/6W |      |       |
| R 7202            | J07225334 | CARBON FILM RES.  | RD16TPJ334        | 330K    | 1/6W |      |       |

# Switch A (SW-A) Unit

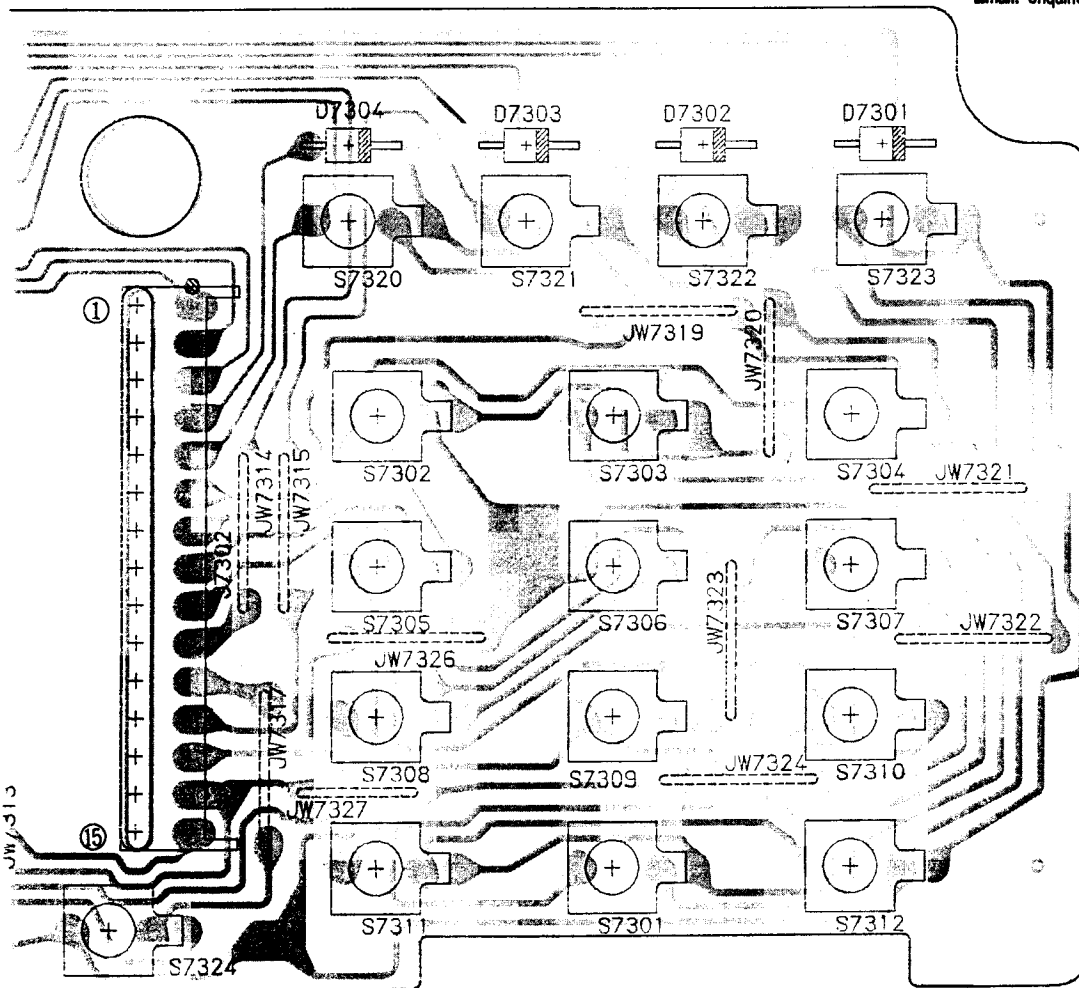
| REF.   | YAESU P/N | DESCRIPTION      | MFGR'S DESIG     | VALUE      | WV   | TOL. | VERS. |
|--------|-----------|------------------|------------------|------------|------|------|-------|
| R 7203 | J07225223 | CARBON FILM RES. | RD16TPJ223       | 22K        | 1/6W |      |       |
| R 7204 | J07225473 | CARBON FILM RES. | RD16TPJ473       | 47K        | 1/6W |      |       |
| R 7205 | J07225103 | CARBON FILM RES. | RD16TPJ103       | 10K        | 1/6W |      |       |
| R 7206 | J07225103 | CARBON FILM RES. | RD16TPJ103       | 10K        | 1/6W |      |       |
| R 7207 | J07225103 | CARBON FILM RES. | RD16TPJ103       | 10K        | 1/6W |      |       |
| R 7208 | J07225103 | CARBON FILM RES. | RD16TPJ103       | 10K        | 1/6W |      |       |
| R 7209 | J07225103 | CARBON FILM RES. | RD16TPJ103       | 10K        | 1/6W |      |       |
| R 7213 | J07225222 | CARBON FILM RES. | RD16TPJ222       | 2. 2K      | 1/6W |      |       |
| R 7214 | J07225472 | CARBON FILM RES. | RD16TPJ472       | 4. 7K      | 1/6W |      |       |
| S 7201 | N0190150  | ROTARY SWITCH    | SRBU16           |            |      |      |       |
| S 7202 | N0190148  | ROTARY SWITCH    | SRBU14           |            |      |      |       |
| S 7203 | N6090064  | SLIDE SWITCH     | SS912            |            |      |      |       |
| S 7204 | N7090012  | DIP SWITCH       | SCS-04A R66-3245 |            |      |      |       |
| VR7201 | J62800107 | POT.             | RK1242210        | 100KC/10KB |      |      |       |
| X 7201 | H7900170  | CERAMIC OSC      | CSA4. 00MG5      |            |      |      |       |
|        | R0136880  | FITTING          |                  |            |      |      |       |

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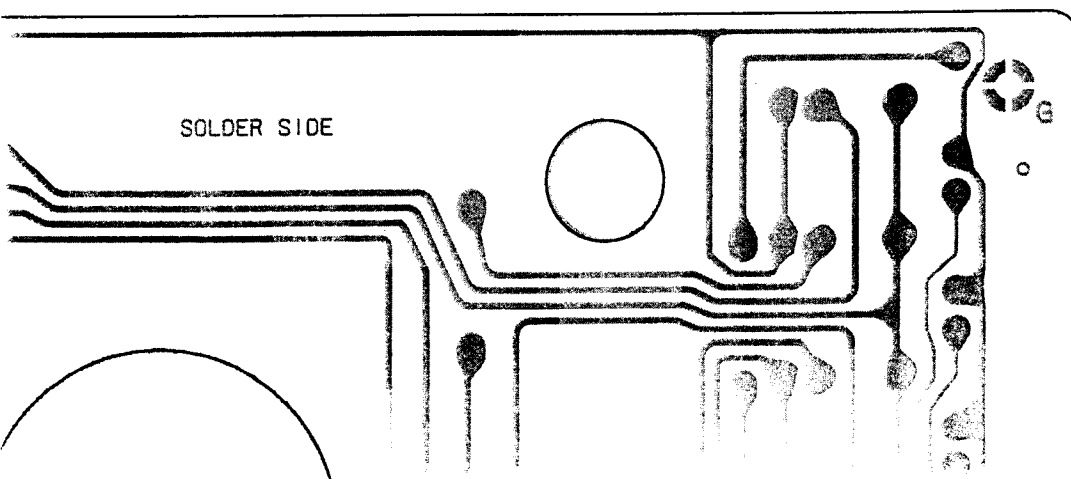




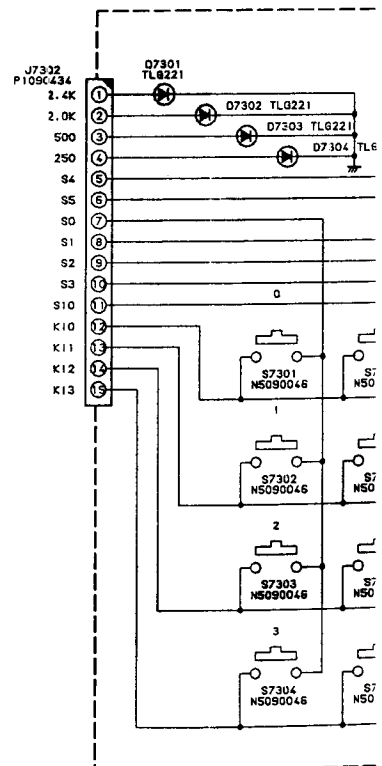
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("component" side)



SOLDER SIDE

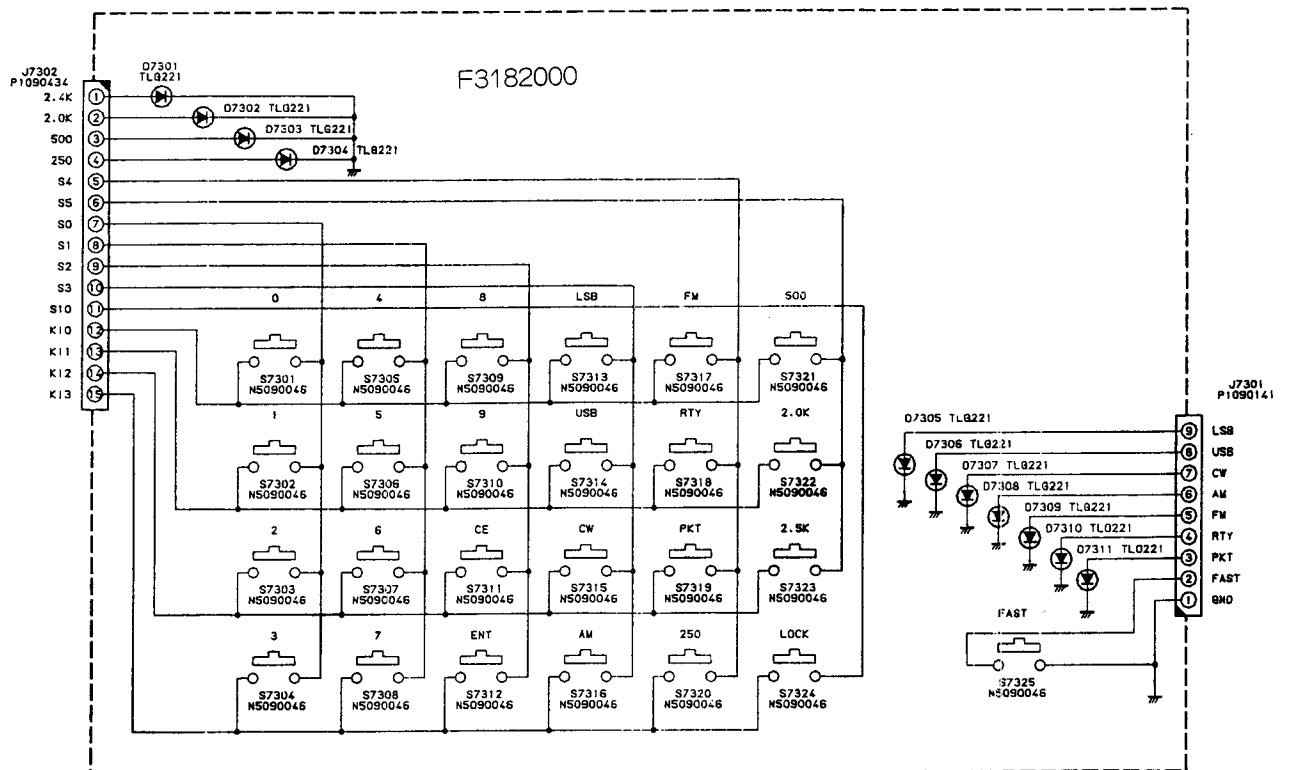




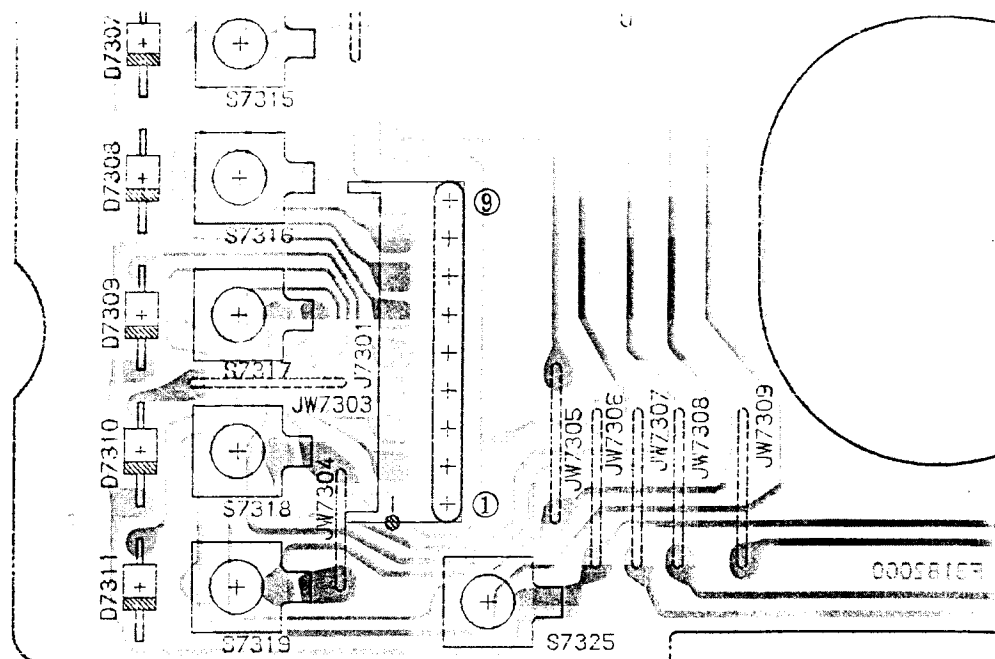
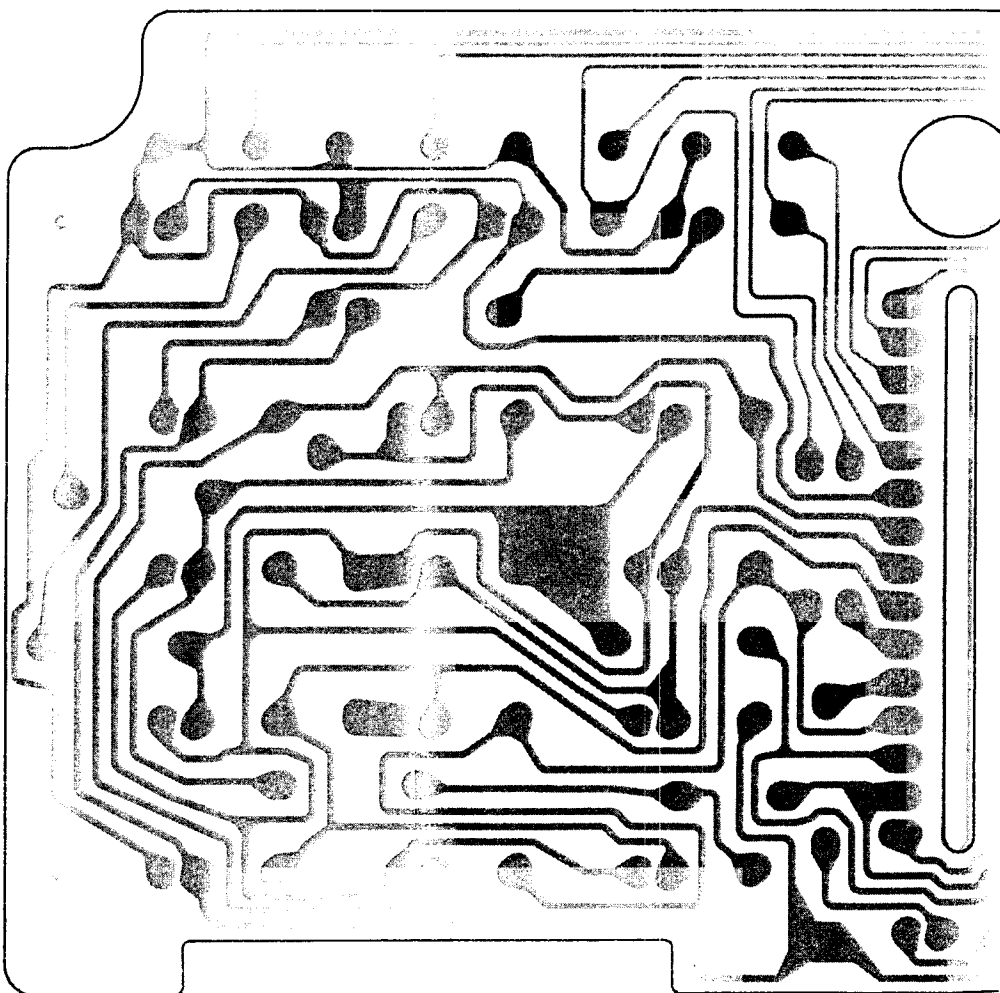
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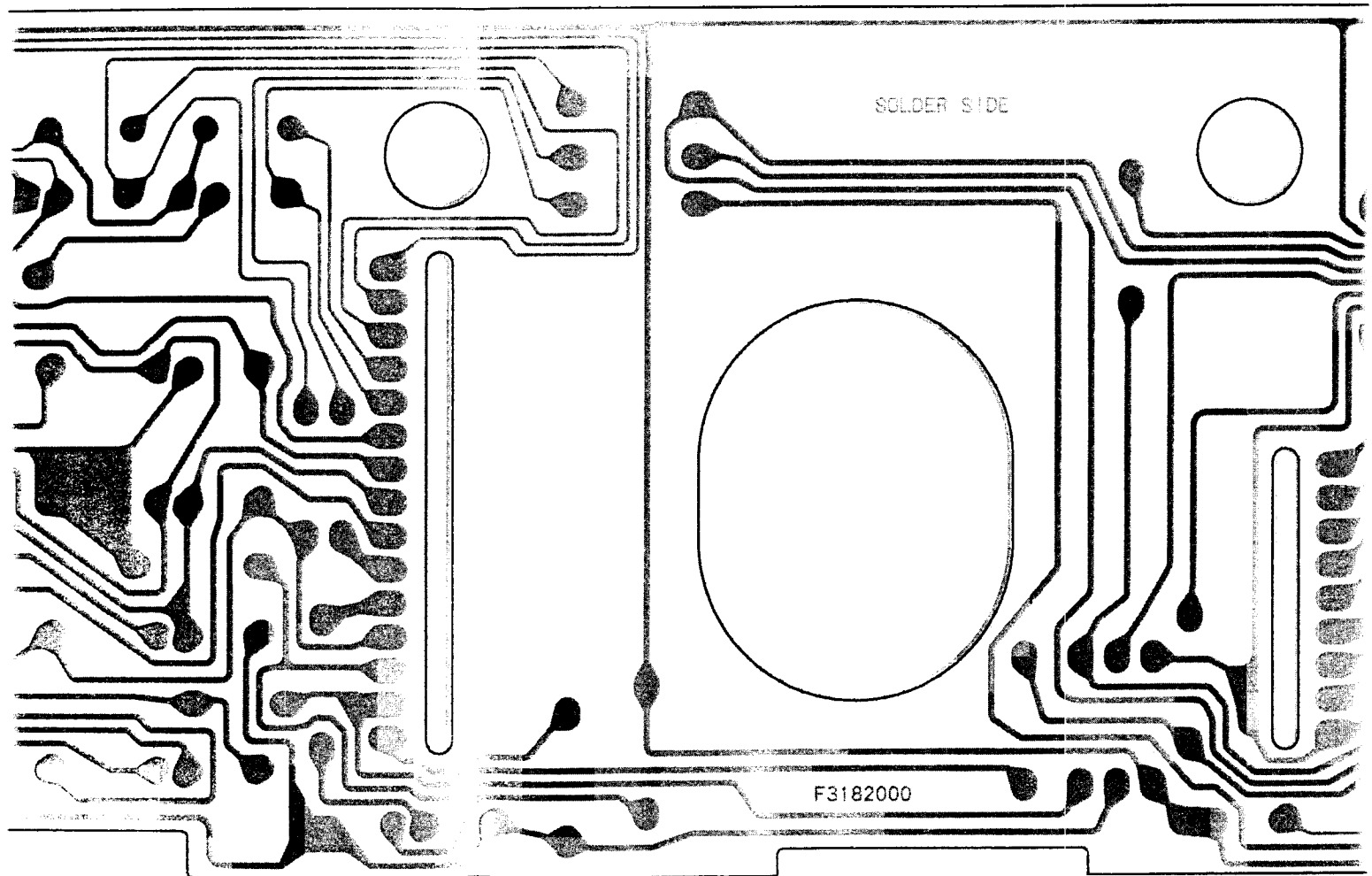
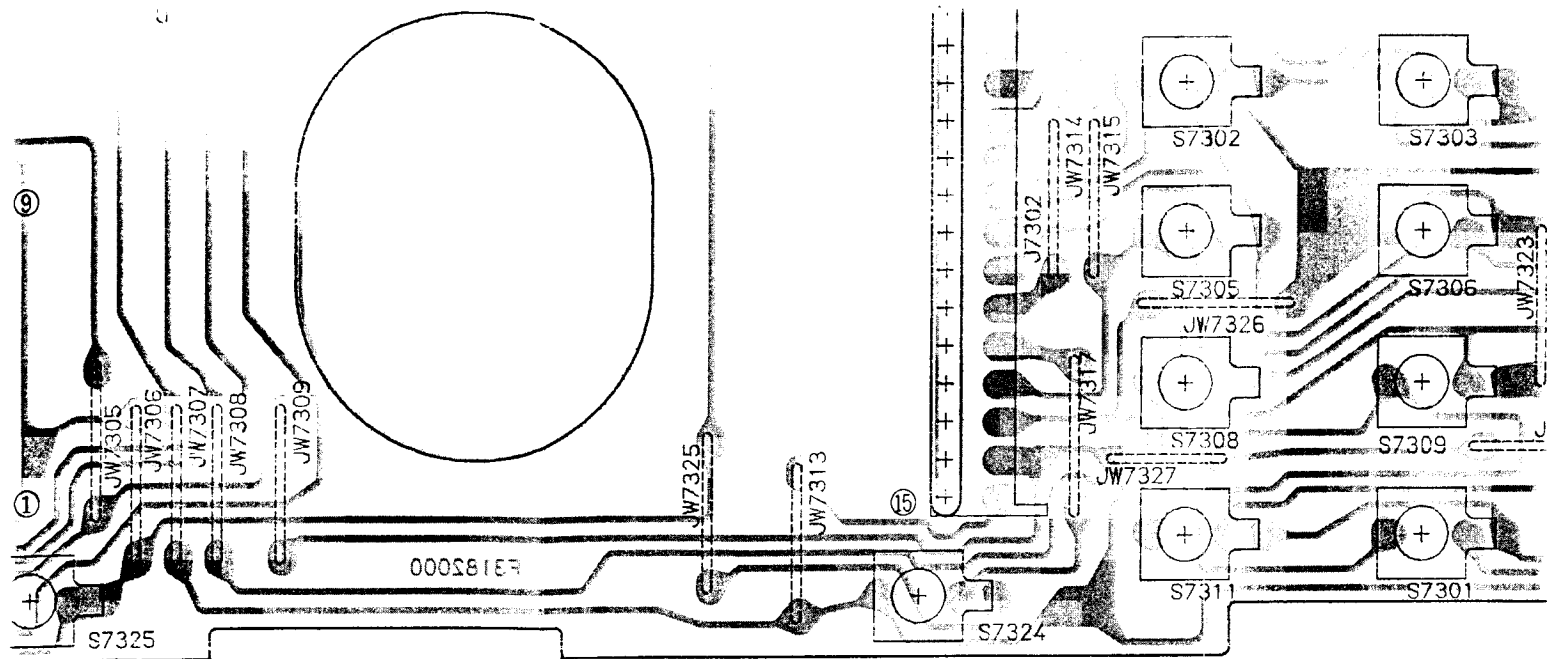
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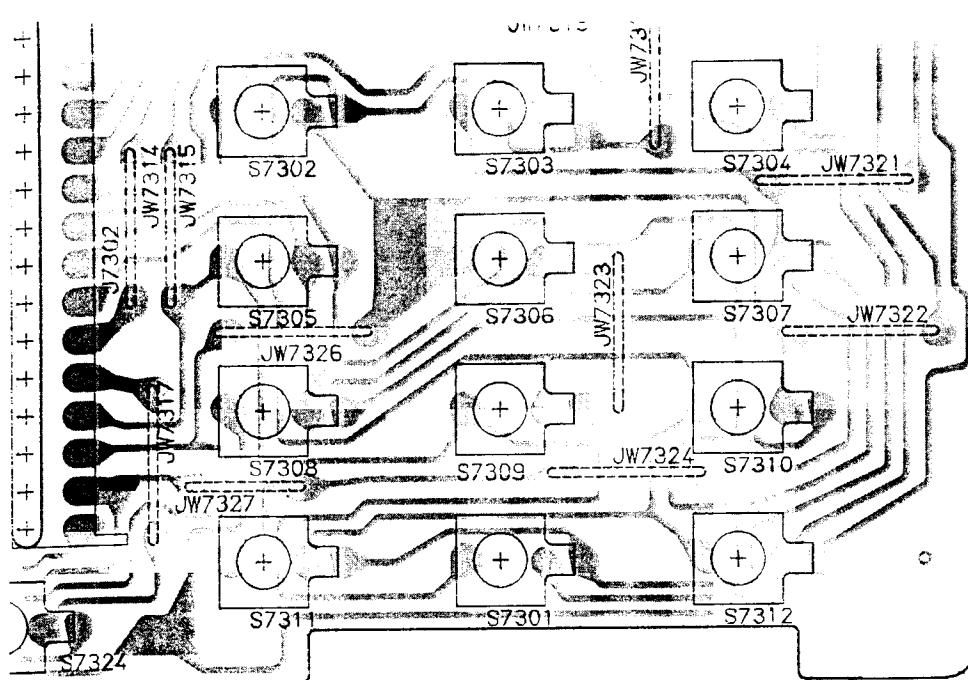
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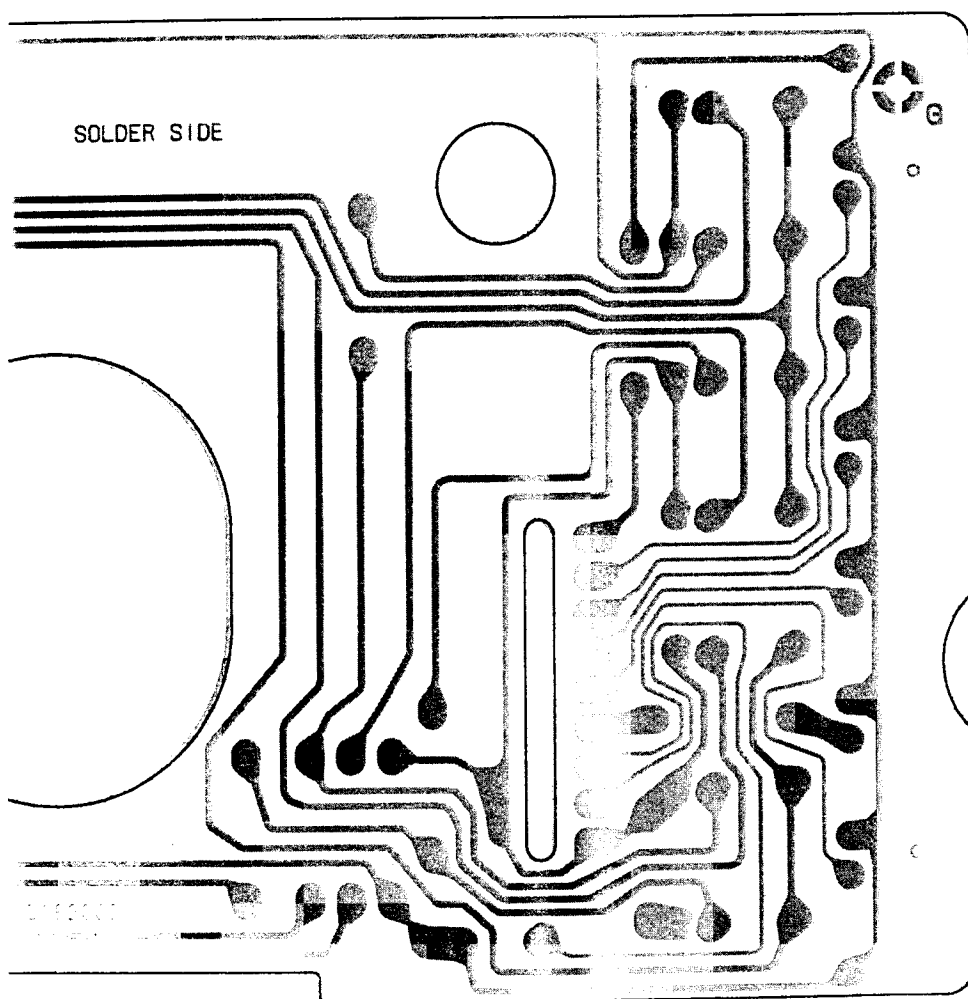
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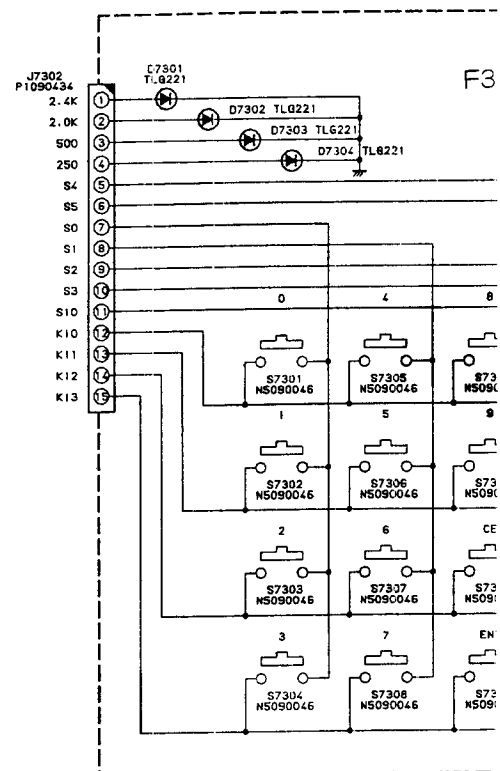




("component" side)



("solder" side)



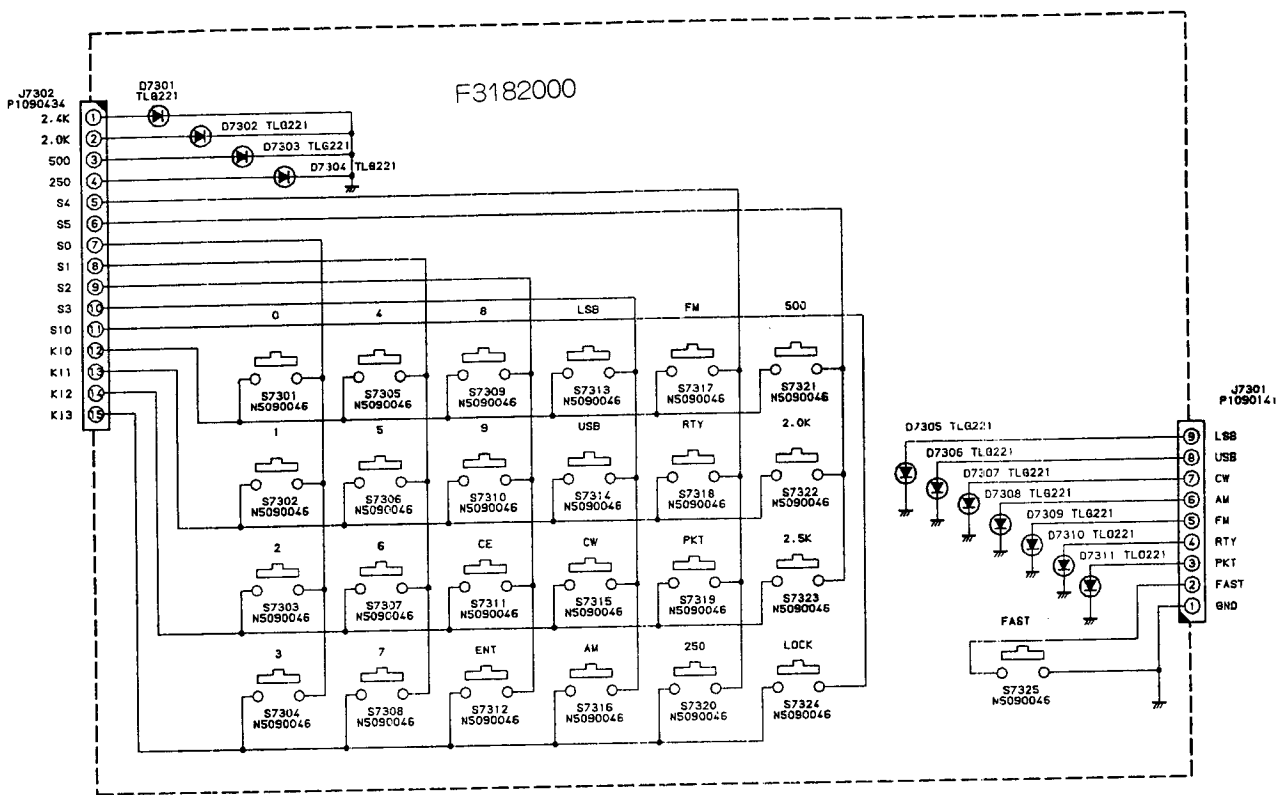
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7321

JW7322

nt" side)

r" side)

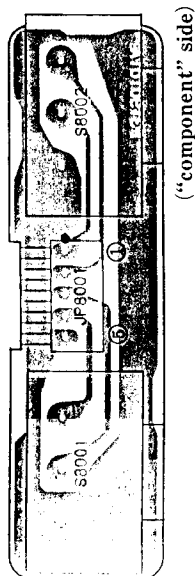


# Key(pad) Unit

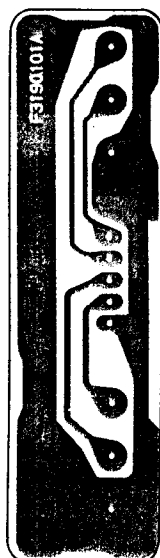
| REF.             | YAESU P/N | DESCRIPTION      | MFGR'S DESIG  | VALUE | WV | TOL. | VERS. |
|------------------|-----------|------------------|---------------|-------|----|------|-------|
| *** KEY UNIT *** |           |                  |               |       |    |      |       |
|                  | CA0256001 | P.C.B. W COMP.   |               |       |    |      |       |
|                  | F3182000  | P.C.B. W/O COMP. |               |       |    |      |       |
| D 7301           | G2090458  | LED              | TLG221        |       |    |      |       |
| D 7302           | G2090458  | LED              | TLG221        |       |    |      |       |
| D 7303           | G2090458  | LED              | TLG221        |       |    |      |       |
| D 7304           | G2090458  | LED              | TLG221        |       |    |      |       |
| D 7305           | G2090458  | LED              | TLG221        |       |    |      |       |
| D 7306           | G2090458  | LED              | TLG221        |       |    |      |       |
| D 7307           | G2090458  | LED              | TLG221        |       |    |      |       |
| D 7308           | G2090458  | LED              | TLG221        |       |    |      |       |
| D 7309           | G2090458  | LED              | TLG221        |       |    |      |       |
| D 7310           | G2090461  | LED              | TL0221        |       |    |      |       |
| D 7311           | G2090461  | LED              | TL0221        |       |    |      |       |
| J 7301           | P1090141  | CONNECTOR        | 5124-09BHPB   |       |    |      |       |
| J 7302           | P1090434  | CONNECTOR        | 5124-15BHPB   |       |    |      |       |
| S 7301           | N5090046  | TACT SWITCH      | EVQ-333 H=5.0 |       |    |      |       |
| S 7302           | N5090046  | TACT SWITCH      | EVQ-333 H=5.0 |       |    |      |       |
| S 7303           | N5090046  | TACT SWITCH      | EVQ-333 H=5.0 |       |    |      |       |
| S 7304           | N5090046  | TACT SWITCH      | EVQ-333 H=5.0 |       |    |      |       |
| S 7305           | N5090046  | TACT SWITCH      | EVQ-333 H=5.0 |       |    |      |       |
| S 7306           | N5090046  | TACT SWITCH      | EVQ-333 H=5.0 |       |    |      |       |
| S 7307           | N5090046  | TACT SWITCH      | EVQ-333 H=5.0 |       |    |      |       |
| S 7308           | N5090046  | TACT SWITCH      | EVQ-333 H=5.0 |       |    |      |       |
| S 7309           | N5090046  | TACT SWITCH      | EVQ-333 H=5.0 |       |    |      |       |
| S 7310           | N5090046  | TACT SWITCH      | EVQ-333 H=5.0 |       |    |      |       |
| S 7311           | N5090046  | TACT SWITCH      | EVQ-333 H=5.0 |       |    |      |       |
| S 7312           | N5090046  | TACT SWITCH      | EVQ-333 H=5.0 |       |    |      |       |
| S 7313           | N5090046  | TACT SWITCH      | EVQ-333 H=5.0 |       |    |      |       |
| S 7314           | N5090046  | TACT SWITCH      | EVQ-333 H=5.0 |       |    |      |       |
| S 7315           | N5090046  | TACT SWITCH      | EVQ-333 H=5.0 |       |    |      |       |
| S 7316           | N5090046  | TACT SWITCH      | EVQ-333 H=5.0 |       |    |      |       |
| S 7317           | N5090046  | TACT SWITCH      | EVQ-333 H=5.0 |       |    |      |       |
| S 7318           | N5090046  | TACT SWITCH      | EVQ-333 H=5.0 |       |    |      |       |
| S 7319           | N5090046  | TACT SWITCH      | EVQ-333 H=5.0 |       |    |      |       |
| S 7320           | N5090046  | TACT SWITCH      | EVQ-333 H=5.0 |       |    |      |       |
| S 7321           | N5090046  | TACT SWITCH      | EVQ-333 H=5.0 |       |    |      |       |
| S 7322           | N5090046  | TACT SWITCH      | EVQ-333 H=5.0 |       |    |      |       |
| S 7323           | N5090046  | TACT SWITCH      | EVQ-333 H=5.0 |       |    |      |       |
| S 7324           | N5090046  | TACT SWITCH      | EVQ-333 H=5.0 |       |    |      |       |
| S 7325           | N5090046  | TACT SWITCH      | EVQ-333 H=5.0 |       |    |      |       |

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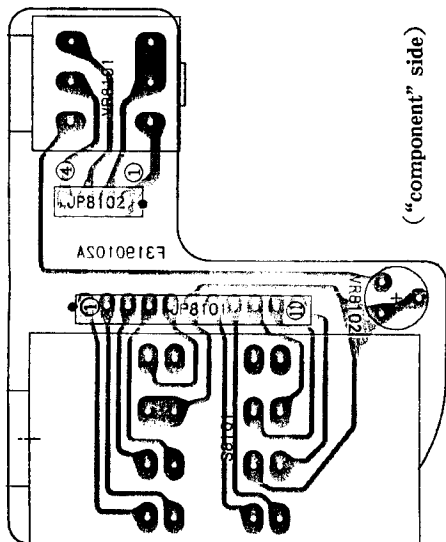
# Rotary Encoder (R. Enc) Unit & Switch B (SW-B) Unit



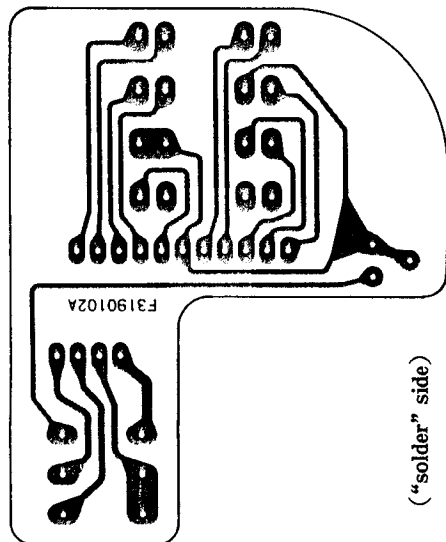
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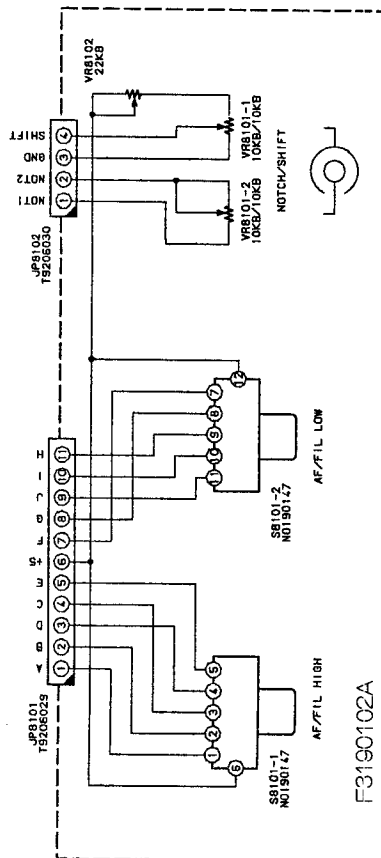
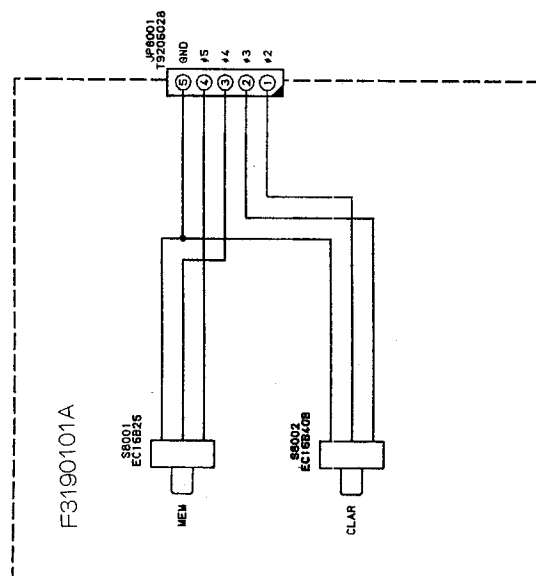
("solder" side)



("component" side)



("solder" side)



# Rotary Encoder (R. Enc) Unit & Switch B (SW-B) Unit

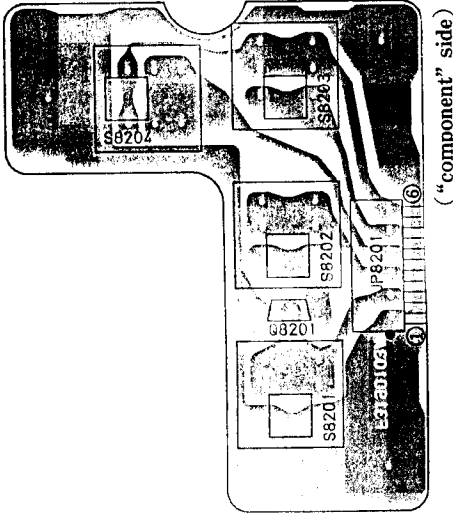
| REF.                | YAESU P/N | DESCRIPTION      | MFGR'S DESIG | VALUE | WV | TOL. | VERS. |
|---------------------|-----------|------------------|--------------|-------|----|------|-------|
| *** R. ENC UNIT *** |           |                  |              |       |    |      |       |
|                     | CA0418001 | P.C.B. W COMP.   |              |       |    |      |       |
|                     | F3190101A | P.C.B. W/O COMP. |              |       |    |      |       |
| JP8001              | T9206028  | WIRE-ASSY        |              |       |    |      |       |
| S 8001              | Q9000524  | ROTARY CODE S.W. | EC16B25D     |       |    |      |       |
| S 8002              | Q9000525  | ROTARY CODE S.W. | EC16B40B     |       |    |      |       |
|                     | R0136890  | FITTING          |              |       |    |      |       |

| REF.              | YAESU P/N | DESCRIPTION      | MFGR'S DESIG   | VALUE     | WV | TOL. | VERS. |
|-------------------|-----------|------------------|----------------|-----------|----|------|-------|
| *** SW B UNIT *** |           |                  |                |           |    |      |       |
|                   | CA0419001 | P.C.B. W COMP.   |                |           |    |      |       |
|                   | F3190102A | P.C.B. W/O COMP. |                |           |    |      |       |
| JP8101            | T9206029  | WIRE-ASSY        |                |           |    |      |       |
| JP8102            | T9206030  | WIRE-ASSY        |                |           |    |      |       |
| S 8101            | N0190147  | ROTARY SWITCH    | SRRS2R         |           |    |      |       |
| VR8101            | J62800105 | POT.             | RK12           | 10KB/10KB |    |      |       |
| VR8102            | J51745223 | POT.             | H0651A015-22KB | 22KB      |    |      |       |
|                   | R0136900A | FITTING          |                |           |    |      |       |

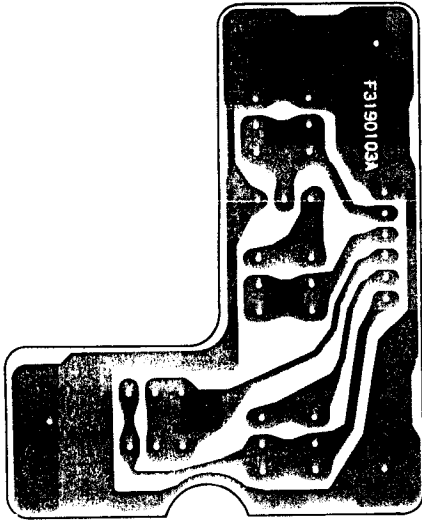
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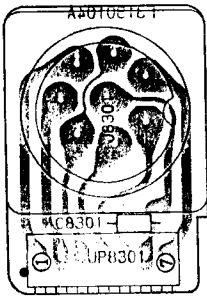
Push Button Switch (Push SW) Unit & Mic Unit



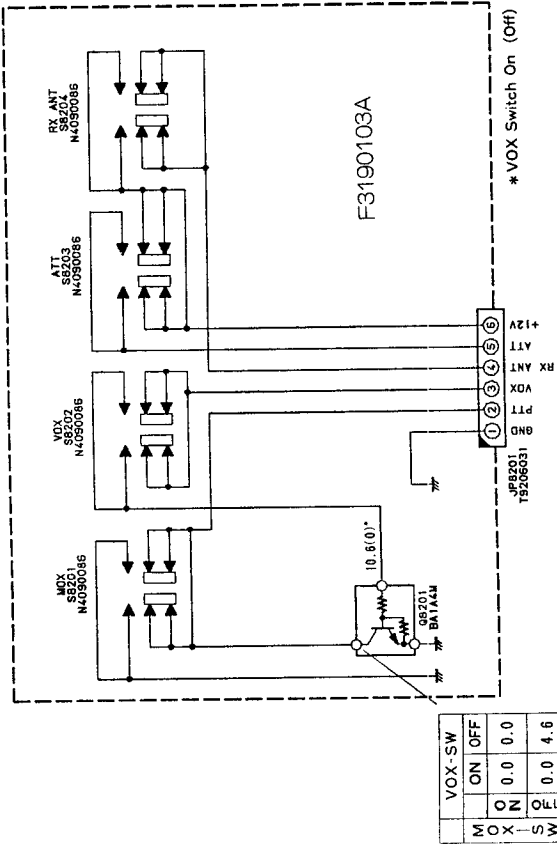
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("solder" side)

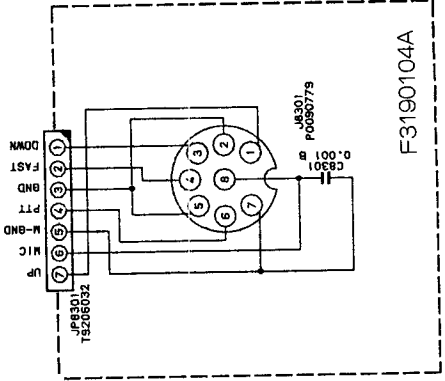
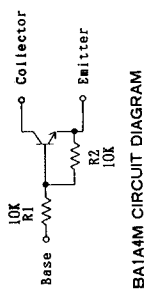
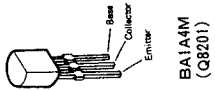


("component" side)



| VOX-SW | ON | OFF |
|--------|----|-----|
| NOX    | ON | OFF |
| SW     | ON | OFF |

Short the KEY jack.



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NOTE:  
CAPACITOR VALUES ARE IN  $\mu F$ , 50V,  
UNLESS OTHERWISE NOTED.

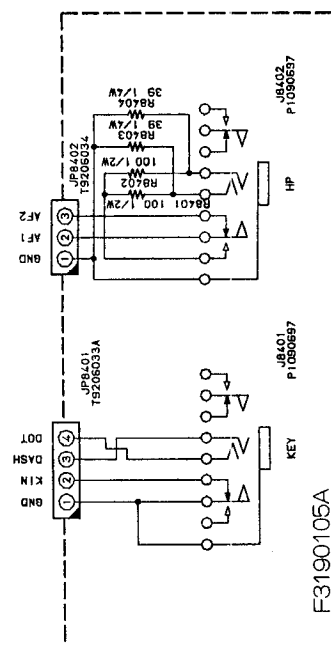
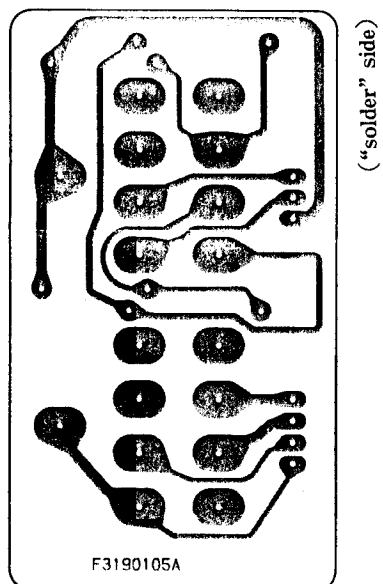
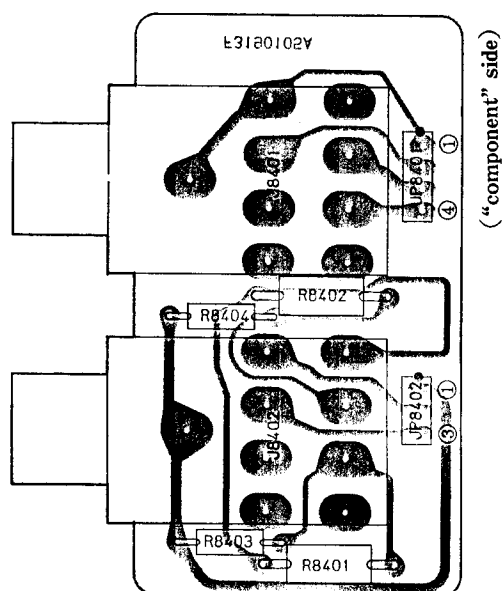
# Push Button Switch (Push SW) Unit & Mic Unit

| REF.                 | YAESU P/N | DESCRIPTION      | MFGR'S DESIG | VALUE | WV | TOL. | VERS. |
|----------------------|-----------|------------------|--------------|-------|----|------|-------|
| *** PUSH SW UNIT *** |           |                  |              |       |    |      |       |
|                      | CA0421001 | P.C.B. W COMP.   |              |       |    |      |       |
|                      | F3190103A | P.C.B. W/O COMP. |              |       |    |      |       |
| JP8201               | T9206031  | WIRE-ASSY        |              |       |    |      |       |
| Q 8201               | G3090074  | TRANSISTOR       | BA1A4M       |       |    |      |       |
| S 8201               | N4090086  | PUSH SWITCH      | SPH121A94    |       |    |      |       |
| S 8202               | N4090086  | PUSH SWITCH      | SPH121A94    |       |    |      |       |
| S 8203               | N4090086  | PUSH SWITCH      | SPH121A94    |       |    |      |       |
| S 8204               | N4090086  | PUSH SWITCH      | SPH121A94    |       |    |      |       |

| REF.             | YAESU P/N | DESCRIPTION      | MFGR'S DESIG   | VALUE   | WV  | TOL. | VERS. |
|------------------|-----------|------------------|----------------|---------|-----|------|-------|
| *** MIC UNIT *** |           |                  |                |         |     |      |       |
|                  | CA0422001 | P.C.B. W COMP.   |                |         |     |      |       |
|                  | F3190104A | P.C.B. W/O COMP. |                |         |     |      |       |
| C 8301           | K28179001 | CERAMIC CAP.     | UP050B102K-A-B | 0.001uF | 50V | B    |       |
| J 8301           | P0090779  | CONNECTOR        | FM214-8SS(A)NI |         |     |      |       |
| JP8301           | T9206032  | WIRE-ASSY        |                |         |     |      |       |

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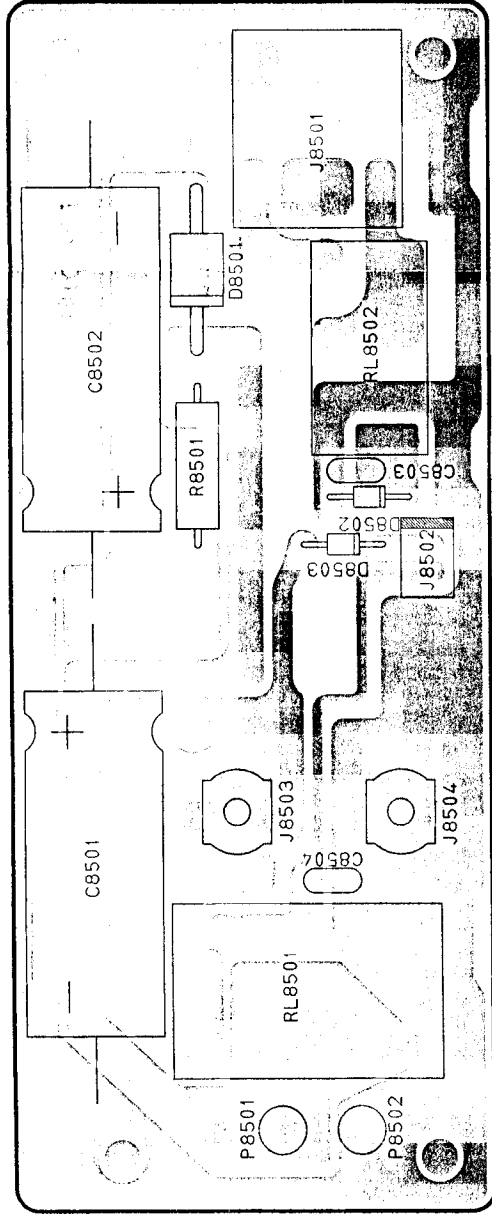
### Headphone (HP) Unit



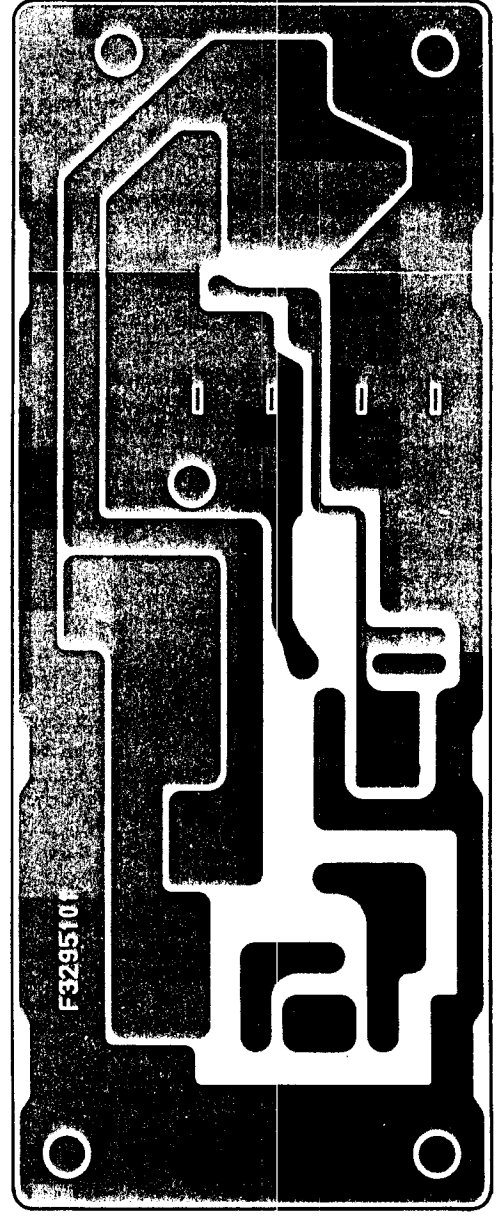
# Headphone (HP) Unit

| REF.            | YAESU P/N | DESCRIPTION      | MFGR'S DESIG | VALUE | WV   | TOL. | VERS. |
|-----------------|-----------|------------------|--------------|-------|------|------|-------|
| *** HP UNIT *** |           |                  |              |       |      |      |       |
|                 | CA0423001 | P.C.B. W COMP.   |              |       |      |      |       |
|                 | F3190105A | P.C.B. W/O COMP. |              |       |      |      |       |
| J 8401          | P1090697  | CONNECTOR        | S-G4617#02   |       |      |      |       |
| J 8402          | P1090697  | CONNECTOR        | S-G4617#02   |       |      |      |       |
| JP8401          | T9206033A | WIRE-ASSY        |              |       |      |      |       |
| JP8402          | T9206034  | WIRE-ASSY        |              |       |      |      |       |
| R 8401          | J01275101 | CARBON FILM RES. | RD12TJ101    | 100   | 1/2W |      |       |
| R 8402          | J01275101 | CARBON FILM RES. | RD12TJ101    | 100   | 1/2W |      |       |
| R 8403          | J01245390 | CARBON FILM RES. | RD14TJ390    | 39    | 1/4W |      |       |
| R 8404          | J01245390 | CARBON FILM RES. | RD14TJ390    | 39    | 1/4W |      |       |

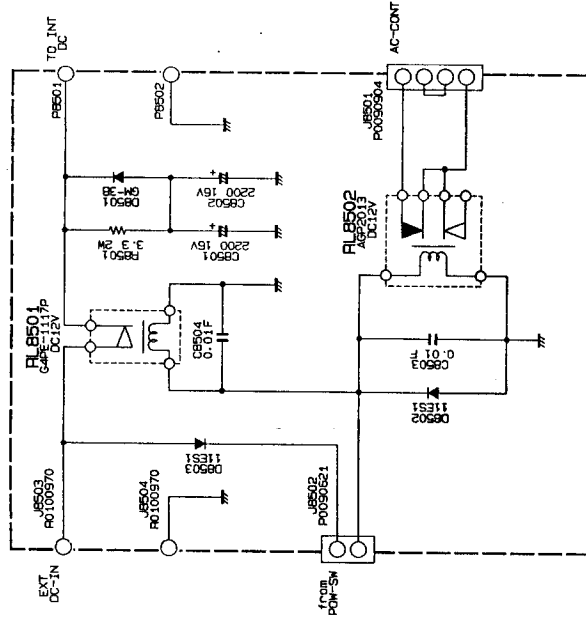
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("component" side)



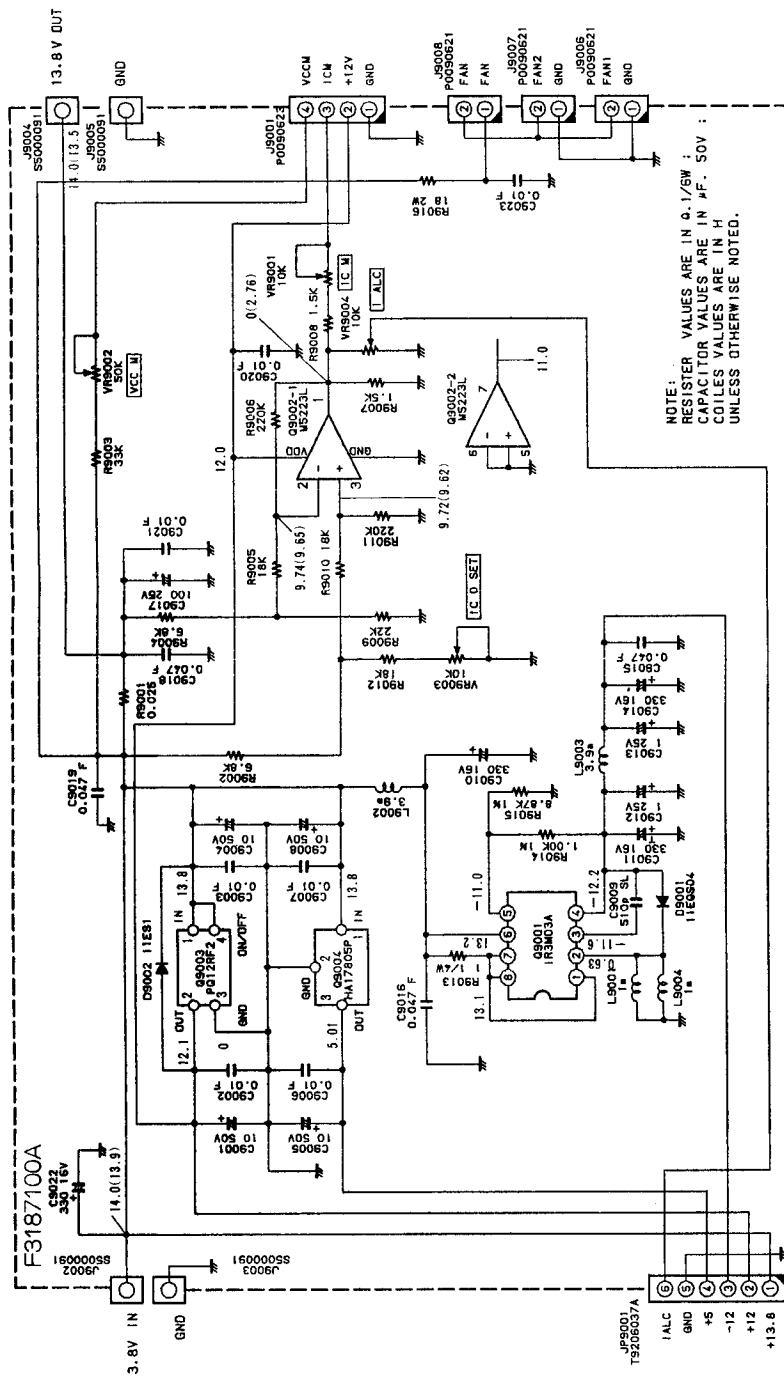
("solder" side)



# DC Switch Unit

| REF.               | YAESU P/N | DESCRIPTION       | MFGR'S DESIG | VALUE  | WV    | TOL. | VERS. |
|--------------------|-----------|-------------------|--------------|--------|-------|------|-------|
| *** DC SW UNIT *** |           |                   |              |        |       |      |       |
|                    | CA0904001 | P.C.B. W COMP.    |              |        |       |      |       |
|                    | F3295101  | P.C.B. W/O COMP.  |              |        |       |      |       |
| C 8501             | K41129003 | AL. ELECTRO. CAP. | ECE-B1CU222  | 2200uF | 16V   |      |       |
| C 8502             | K41129003 | AL. ELECTRO. CAP. | ECE-B1CU222  | 2200uF | 16V   |      |       |
| C 8503             | K13179008 | CERAMIC CAP.      | DD106F103Z50 | 0.01uF | 50V   | F    |       |
| C 8504             | K13179008 | CERAMIC CAP.      | DD106F103Z50 | 0.01uF | 50V   | F    |       |
| D 8501             | G2090464  | DIODE             | GM-3B        |        |       |      |       |
| D 8502             | G2090499  | DIODE             | 11ES1        |        |       |      |       |
| D 8503             | G2090499  | DIODE             | 11ES1        |        |       |      |       |
| J 8501             | P0090904  | CONNECTOR         | B4PS-VH      |        |       |      |       |
| J 8502             | P0090621  | CONNECTOR         | SC25-02WS    |        |       |      |       |
| J 8503             | R0100970  | TERMINAL          |              |        |       |      |       |
| J 8504             | R0100970  | TERMINAL          |              |        |       |      |       |
| P 8501             | T9317892  | WIRE-ASSY         |              |        |       |      |       |
| P 8502             | T9317893  | WIRE-ASSY         |              |        |       |      |       |
| R 8501             | J22339003 | METAL FILM RES.   | ERX-2SJ3R3P  | 3.3    | 2W    |      |       |
| RL8501             | M1190095  | RELAY             | G4PE-1117P   |        | DC12V |      |       |
| RL8502             | M1190069  | RELAY             | AGP2013      |        | DC12V |      |       |

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Receive (Transmit) DC Voltage

Measuring Conditions

Frequency: 14.200MHz

Mode: CW

RF Output: 100W

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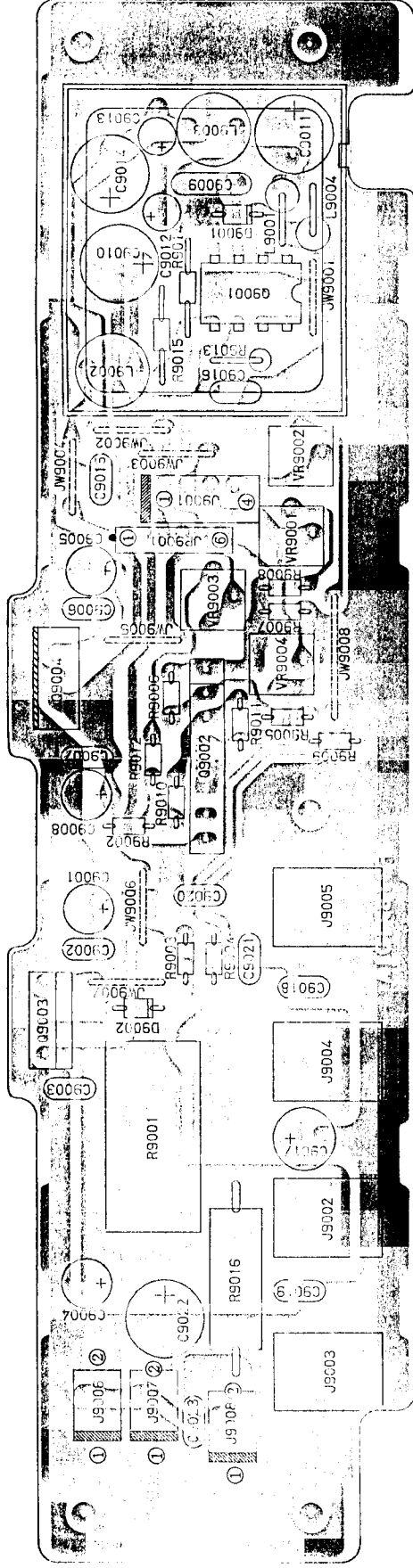
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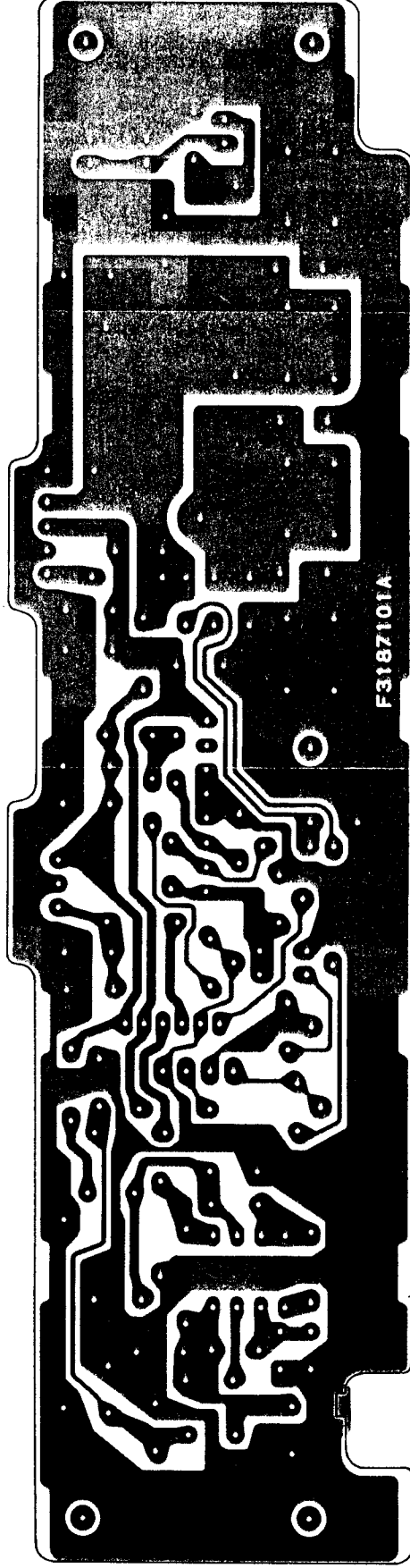
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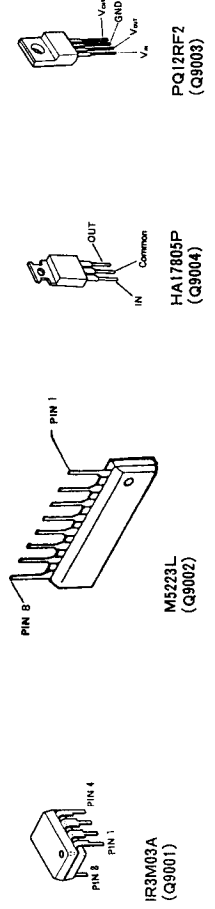
Email: enquiries@mauritron.co.uk



("component" side)



("solder" side)





# Regulator (REG) Unit

| REF.             | YAESU P/N | DESCRIPTION       | MFGR'S DESIG      | VALUE   | WV  | TOL. | VERS. |
|------------------|-----------|-------------------|-------------------|---------|-----|------|-------|
| *** REG UNIT *** |           |                   |                   |         |     |      |       |
|                  | CA0278001 | P.C.B. W COMP.    |                   |         |     |      |       |
|                  | F3187100A | P.C.B. W/O COMP.  |                   |         |     |      |       |
| C 9001           | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF    | 50V |      |       |
| C 9002           | K26170657 | CERAMIC CAP.      | DD106-979F103Z50  | 0.01uF  | 50V | F    |       |
| C 9003           | K26170657 | CERAMIC CAP.      | DD106-979F103Z50  | 0.01uF  | 50V | F    |       |
| C 9004           | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF    | 50V |      |       |
| C 9005           | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF    | 50V |      |       |
| C 9006           | K26170657 | CERAMIC CAP.      | DD106-979F103Z50  | 0.01uF  | 50V | F    |       |
| C 9007           | K26170657 | CERAMIC CAP.      | DD106-979F103Z50  | 0.01uF  | 50V | F    |       |
| C 9008           | K46170021 | AL. ELECTRO. CAP. | 50V100M5X11TR5    | 10uF    | 50V |      |       |
| C 9009           | K26171046 | CERAMIC CAP.      | DD109-979SL511J50 | 510p    | 50V | SL   |       |
| C 9010           | K46120002 | AL. ELECTRO. CAP. | 16V331M8X11TR5    | 330uF   | 16V |      |       |
| C 9011           | K46120002 | AL. ELECTRO. CAP. | 16V331M8X11TR5    | 330uF   | 16V |      |       |
| C 9012           | K76140013 | TANTALUM CAP.     | TPDN1E010M8S(MX0) | 1uF     | 25V |      |       |
| C 9013           | K76140013 | TANTALUM CAP.     | TPDN1E010M8S(MX0) | 1uF     | 25V |      |       |
| C 9014           | K46120002 | AL. ELECTRO. CAP. | 16V331M8X11TR5    | 330uF   | 16V |      |       |
| C 9015           | K26170726 | CERAMIC CAP.      | DD306-979F473Z50  | 0.047uF | 50V | F    |       |
| C 9016           | K26170726 | CERAMIC CAP.      | DD306-979F473Z50  | 0.047uF | 50V | F    |       |
| C 9017           | K46140005 | AL. ELECTRO. CAP. | 25V101M6X11TR5    | 100uF   | 25V |      |       |
| C 9018           | K26170726 | CERAMIC CAP.      | DD306-979F473Z50  | 0.047uF | 50V | F    |       |
| C 9019           | K26170726 | CERAMIC CAP.      | DD306-979F473Z50  | 0.047uF | 50V | F    |       |
| C 9020           | K26170657 | CERAMIC CAP.      | DD106-979F103Z50  | 0.01uF  | 50V | F    |       |
| C 9021           | K26170657 | CERAMIC CAP.      | DD106-979F103Z50  | 0.01uF  | 50V | F    |       |
| C 9022           | K46120002 | AL. ELECTRO. CAP. | 16V331M8X11TR5    | 330uF   | 16V |      |       |
| C 9023           | K26170657 | CERAMIC CAP.      | DD106-979F103Z50  | 0.01uF  | 50V | F    |       |
| D 9001           | G2060008  | DIODE             | 11EQS04-TA1B2     |         |     |      |       |
| D 9002           | G2060009  | DIODE             | 11ES1-TA1B2       |         |     |      |       |
| J 9001           | P0090623  | CONNECTOR         | SC25-04WS         |         |     |      |       |
| J 9002           | S5000091  | P-96              | P-96              |         |     |      |       |
| J 9003           | S5000091  | P-96              | P-96              |         |     |      |       |
| J 9004           | S5000091  | P-96              | P-96              |         |     |      |       |
| J 9005           | S5000091  | P-96              | P-96              |         |     |      |       |
| J 9006           | P0090621  | CONNECTOR         | SC25-02WS         |         |     |      |       |
| J 9007           | P0090621  | CONNECTOR         | SC25-02WS         |         |     |      |       |
| J 9008           | P0090621  | CONNECTOR         | SC25-02WS         |         |     |      |       |
| JP9001           | T9206037A | WIRE-ASSY         |                   |         |     |      |       |
| L 9001           | L1190090  | M. RFC            | LAL04NA102K       | 1mH     |     |      |       |
| L 9002           | L1190383  | M. RFC            | RCR-875D-392K     | 3.9m    |     |      |       |
| L 9003           | L1190383  | M. RFC            | RCR-875D-392K     | 3.9m    |     |      |       |
| L 9004           | L1190090  | M. RFC            | LAL04NA102K       | 1mH     |     |      |       |
| Q 9001           | G1090837  | IC                | IR3M03A           |         |     |      |       |
| Q 9002           | G1090988  | IC                | M5223L            |         |     |      |       |
| Q 9003           | G1091138  | IC                | PQ12RF2           |         |     |      |       |
| Q 9004           | G1090936  | IC                | HA17805P          |         |     |      |       |
| R 9001           | J32009004 | SHUNT RES.        | R025 J            | 0.025   |     |      |       |

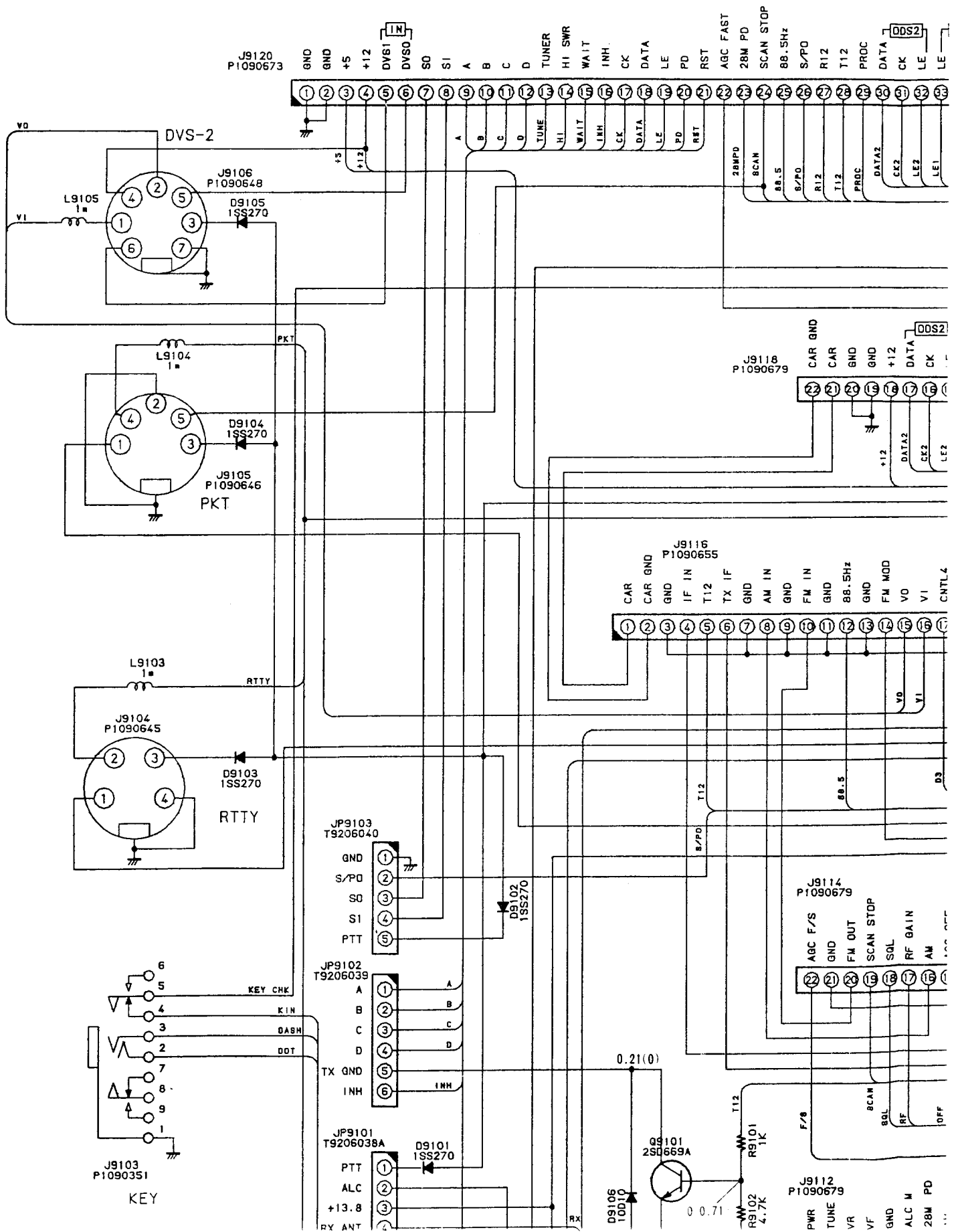
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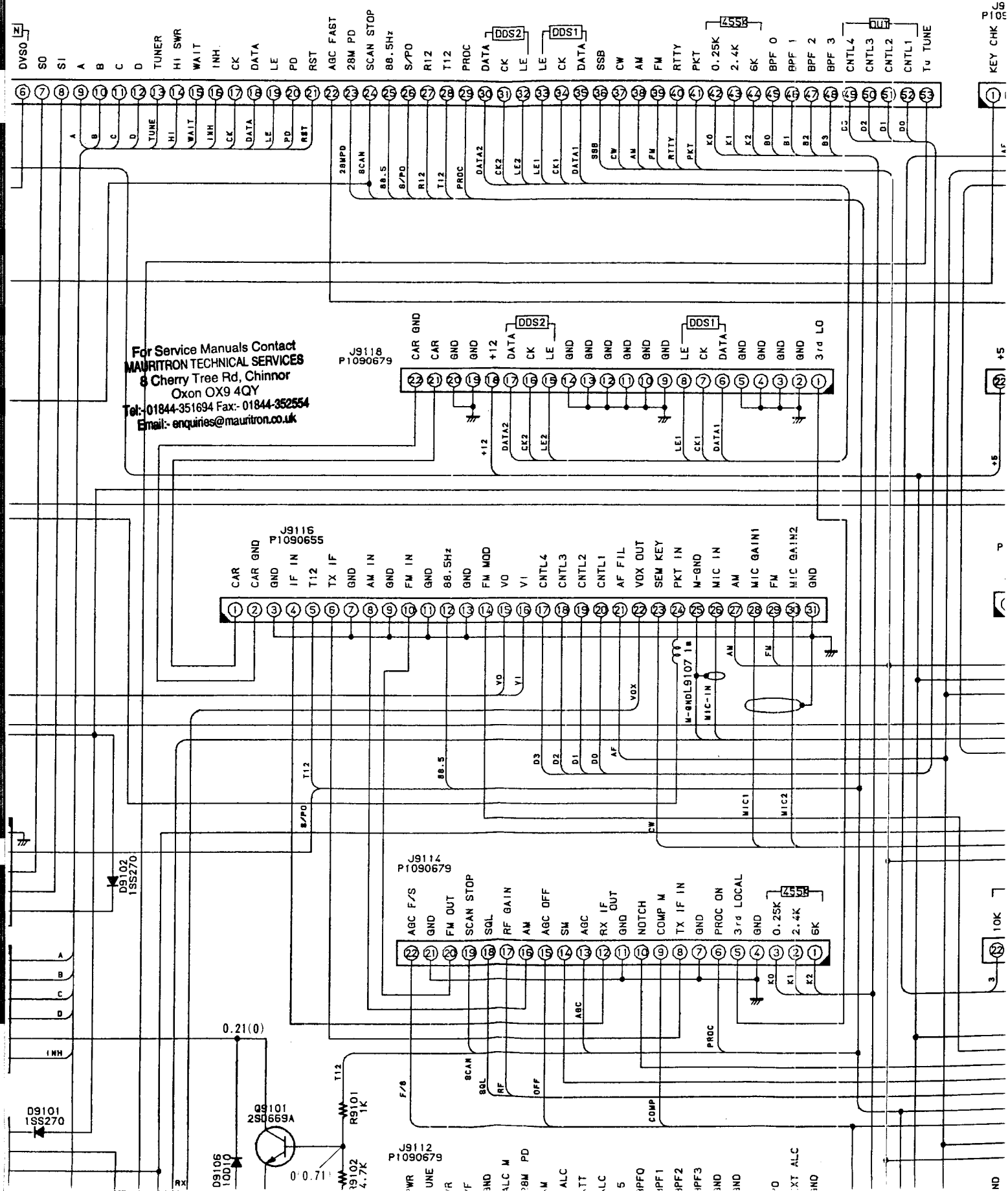
# Regulator (REG) Unit

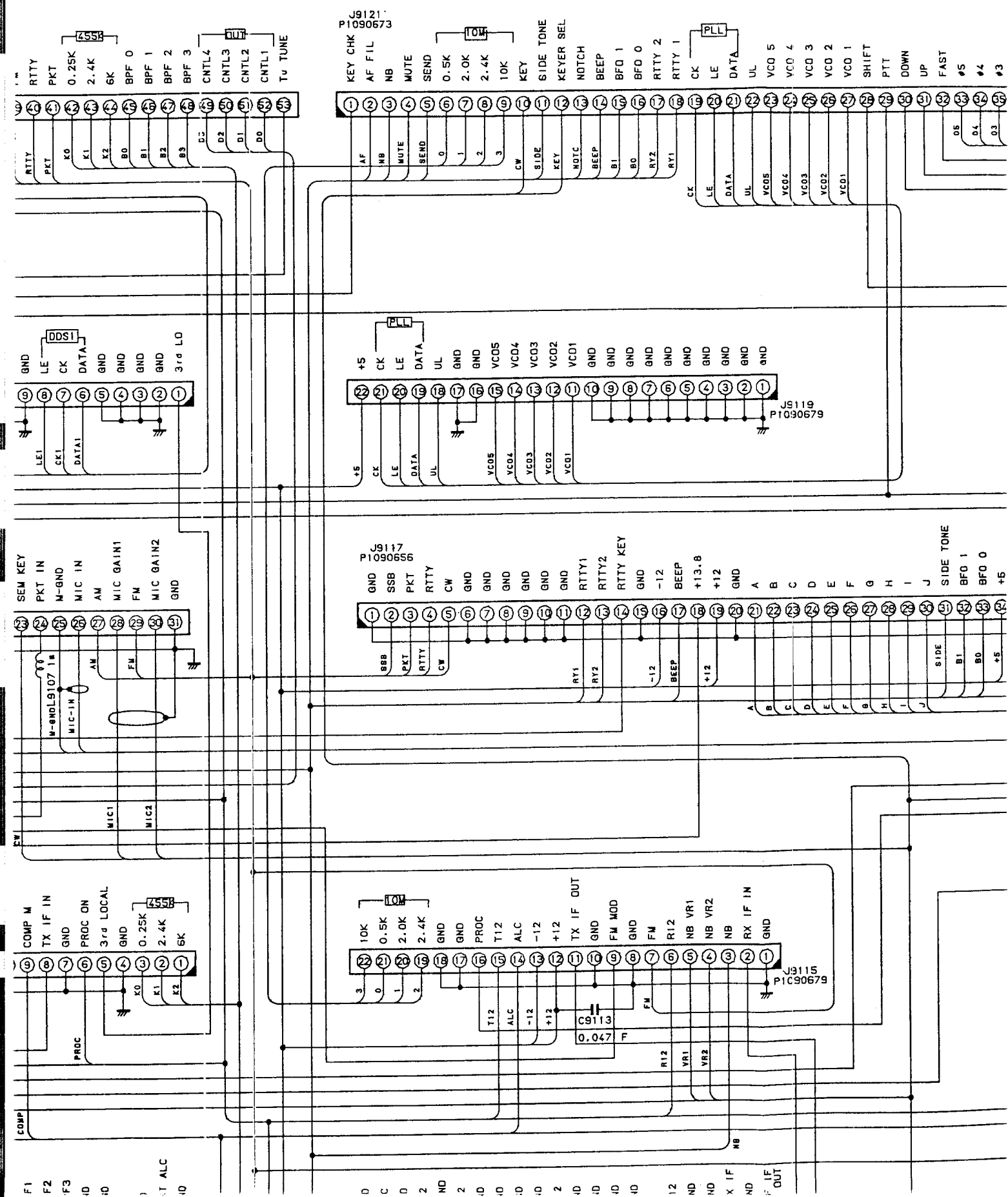
| REF.   | YAESU P/N | DESCRIPTION      | MFGR'S DESIG  | VALUE | WV   | TOL. | VERS. |
|--------|-----------|------------------|---------------|-------|------|------|-------|
| R 9002 | J07225682 | CARBON FILM RES. | RD16TPJ682    | 6.8K  | 1/6W |      |       |
| R 9003 | J07225333 | CARBON FILM RES. | RD16TPJ333    | 33K   | 1/6W |      |       |
| R 9004 | J07225682 | CARBON FILM RES. | RD16TPJ682    | 6.8K  | 1/6W |      |       |
| R 9005 | J07225183 | CARBON FILM RES. | RD16TPJ183    | 18K   | 1/6W |      |       |
| R 9006 | J07225224 | CARBON FILM RES. | RD16TPJ224    | 220K  | 1/6W |      |       |
| R 9007 | J07225152 | CARBON FILM RES. | RD16TPJ152    | 1.5K  | 1/6W |      |       |
| R 9008 | J07225152 | CARBON FILM RES. | RD16TPJ152    | 1.5K  | 1/6W |      |       |
| R 9009 | J07225223 | CARBON FILM RES. | RD16TPJ223    | 22K   | 1/6W |      |       |
| R 9010 | J07225183 | CARBON FILM RES. | RD16TPJ183    | 18K   | 1/6W |      |       |
| R 9011 | J07225224 | CARBON FILM RES. | RD16TPJ224    | 220K  | 1/6W |      |       |
| R 9012 | J07225183 | CARBON FILM RES. | RD16TPJ183    | 18K   | 1/6W |      |       |
| R 9013 | J06245010 | CARBON FILM RES. | RD25UJ010T    | 1     | 1/4W |      |       |
| R 9014 | J20249101 | METAL FILM RES.  | MRS25F 1.00K  | 1.00K | 1/4W | 1%   |       |
| R 9015 | J20249046 | METAL FILM RES.  | MRS25F 8.87K  | 8.87K | 1/4W | 1%   |       |
| R 9016 | J20336180 | METAL FILM RES.  | RS2B 2W K 18  | 18    | 2W   |      |       |
| VR9001 | J50784103 | POT.             | EVN-DCAA03B14 | 10K   |      |      |       |
| VR9002 | J50784503 | POT.             | EVN-DCAA03B54 | 50K   |      |      |       |
| VR9003 | J50784103 | POT.             | EVN-DCAA03B14 | 10K   |      |      |       |
| VR9004 | J50784103 | POT.             | EVN-DCAA03B14 | 10K   |      |      |       |
|        | R0131630  | SHIELD CASE      |               |       |      |      |       |
|        | R0131640  | SHIELD COVER     |               |       |      |      |       |
|        | R0137410B | HEATSINK PLATE   |               |       |      |      |       |
|        | R0123510  | FITTING          |               |       |      |      |       |
|        | R0134490  | FITTING          |               |       |      |      |       |

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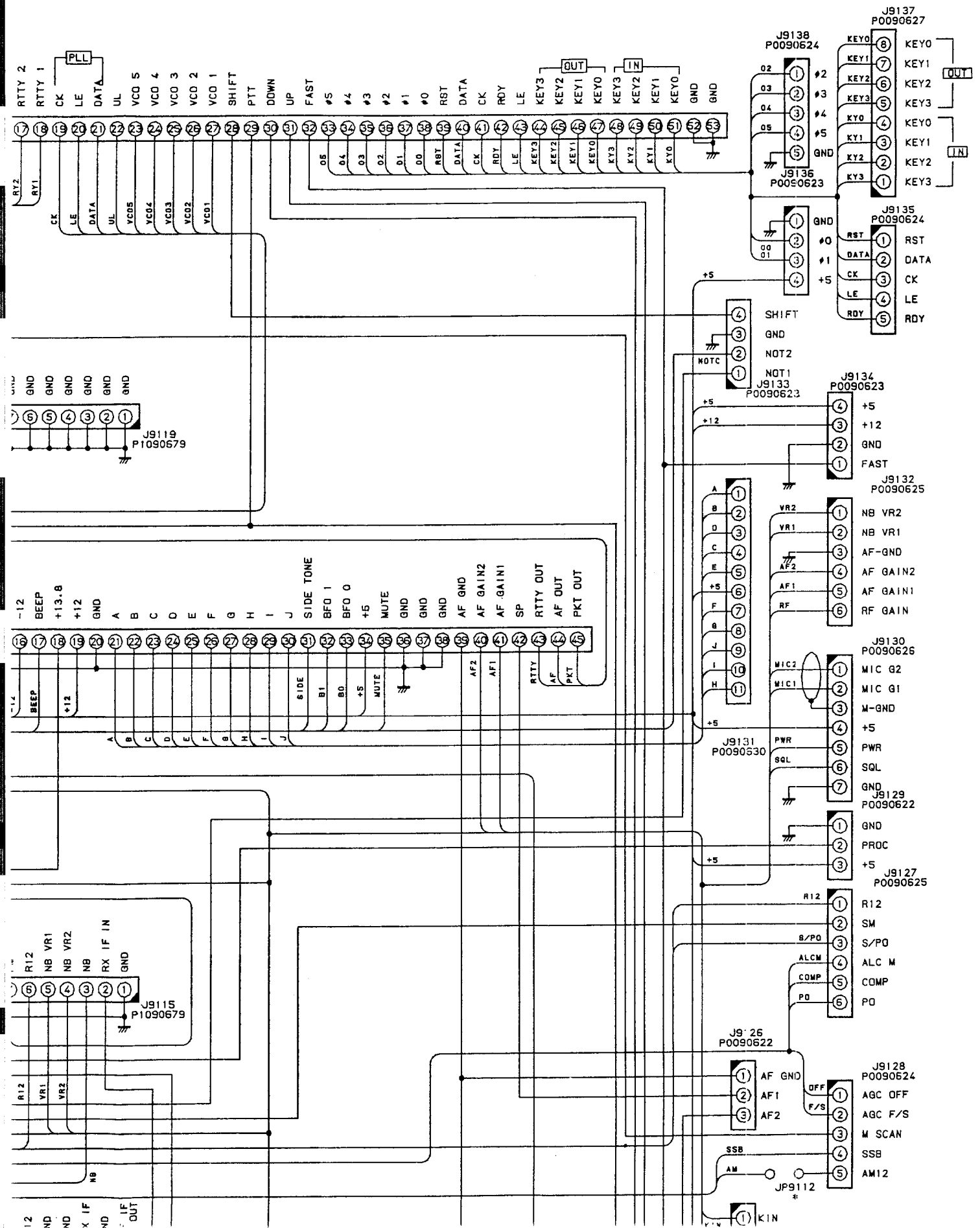
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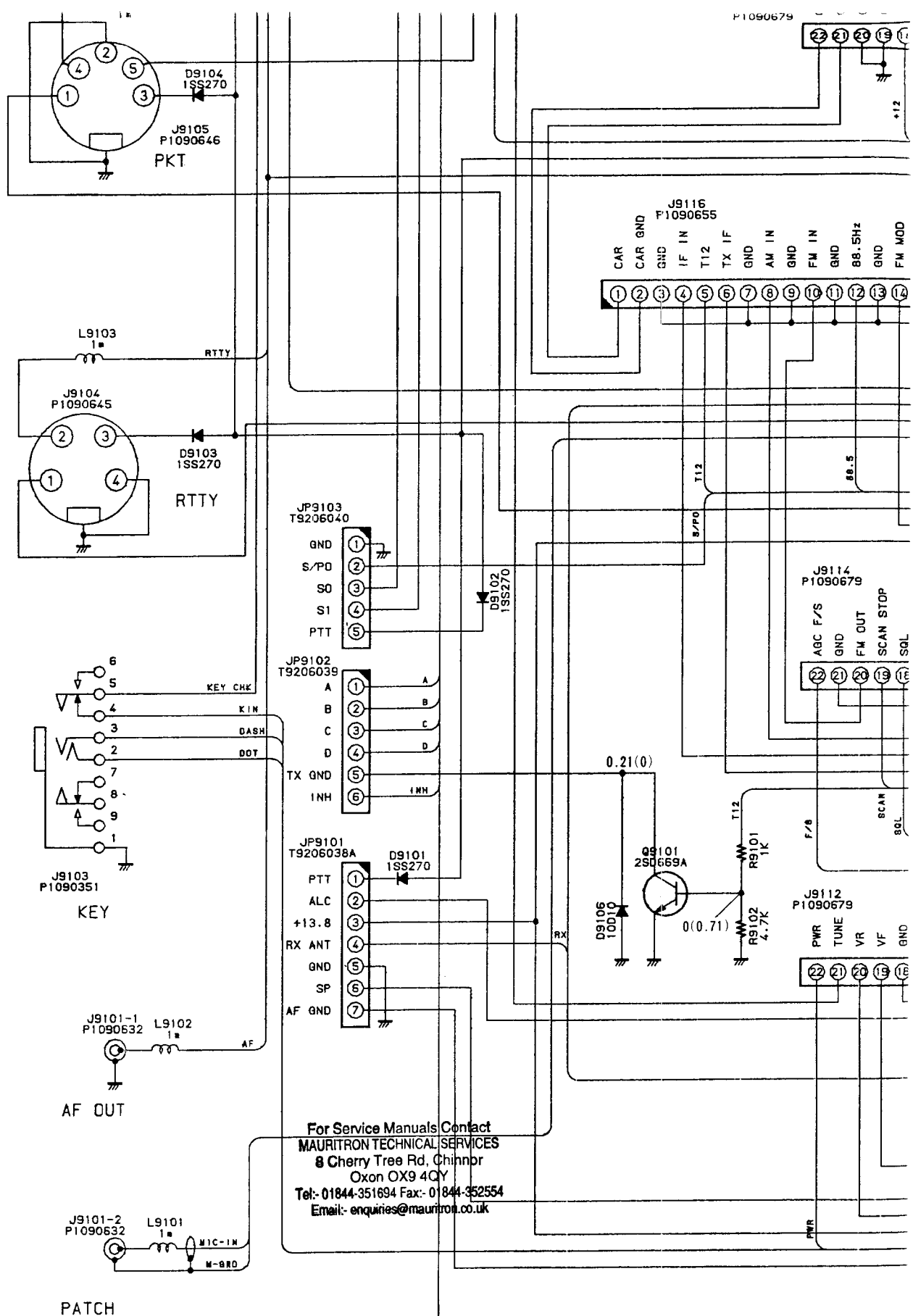




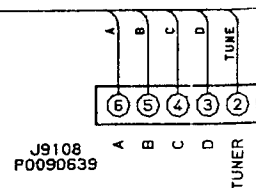


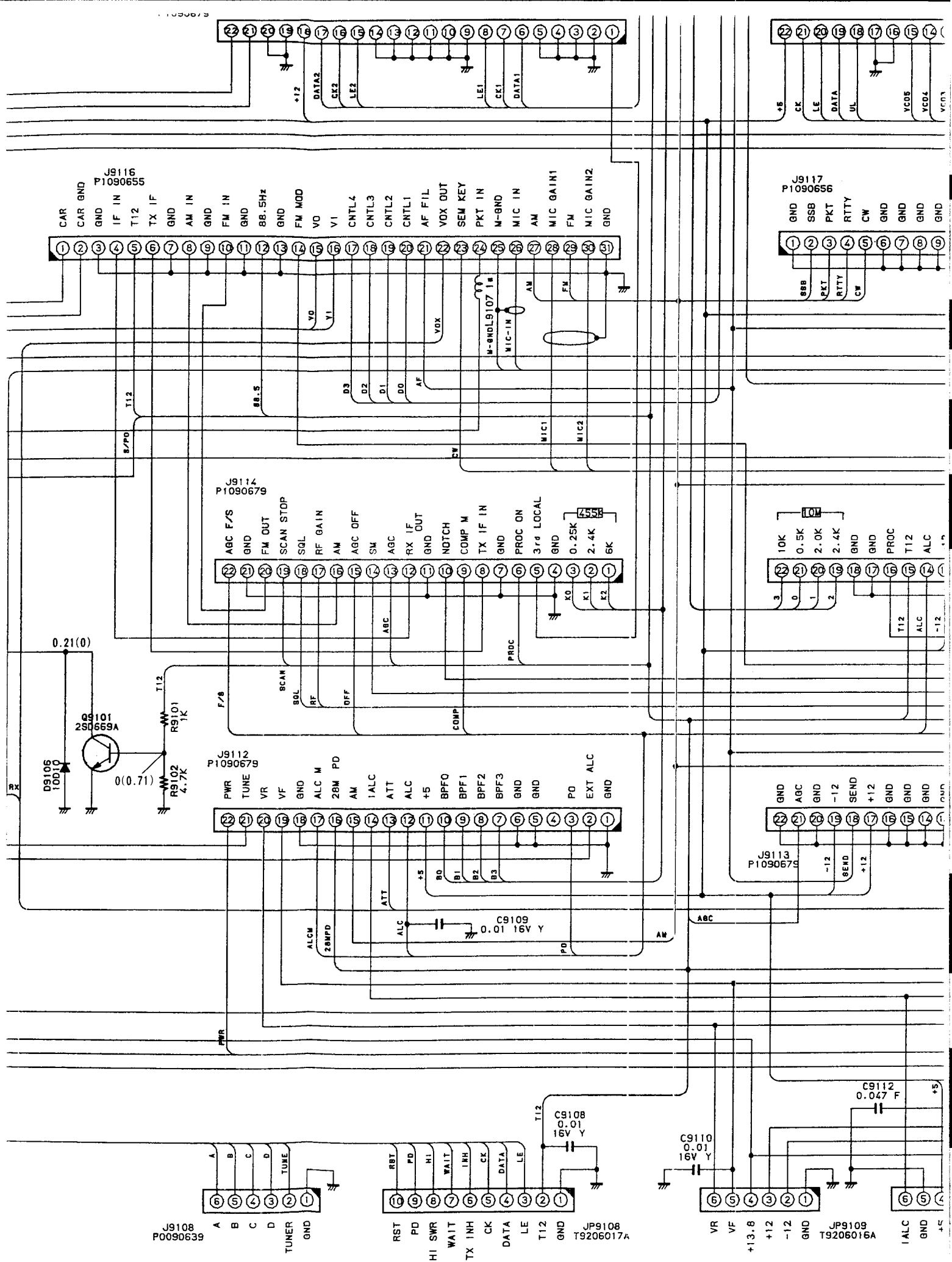
## Motherboard (Mother Unit)



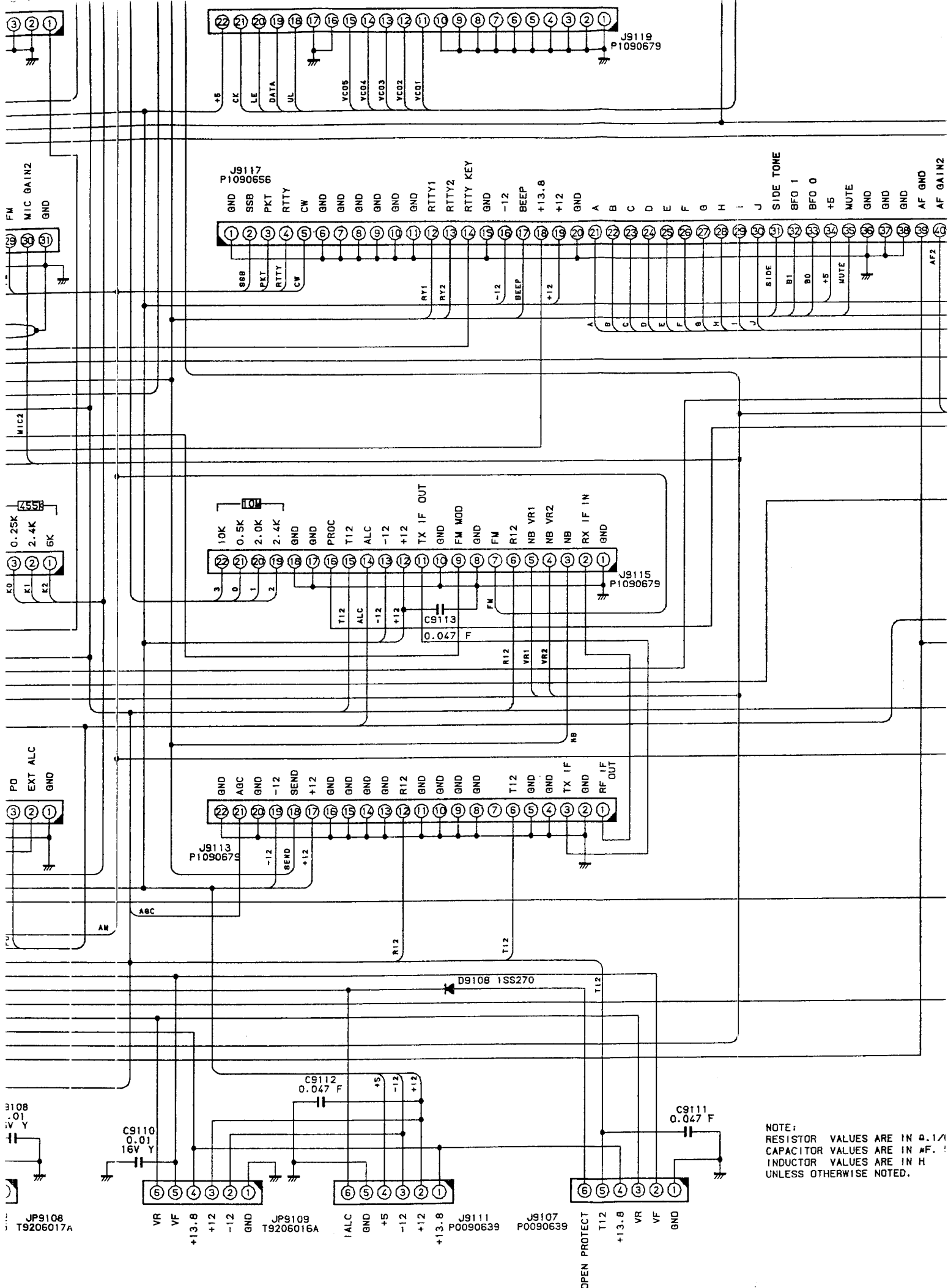


Receive (Transmit) DC Voltage

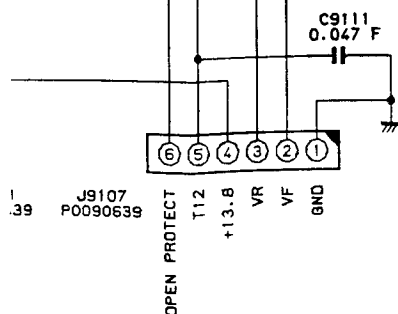
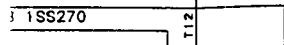
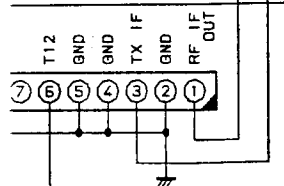
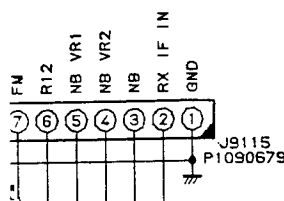
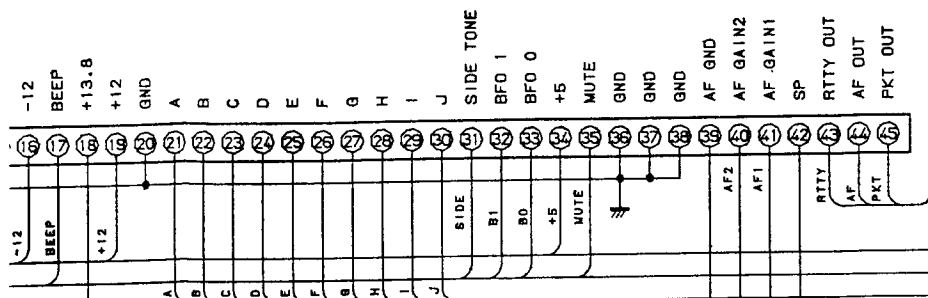
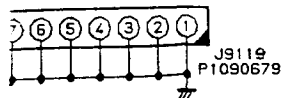




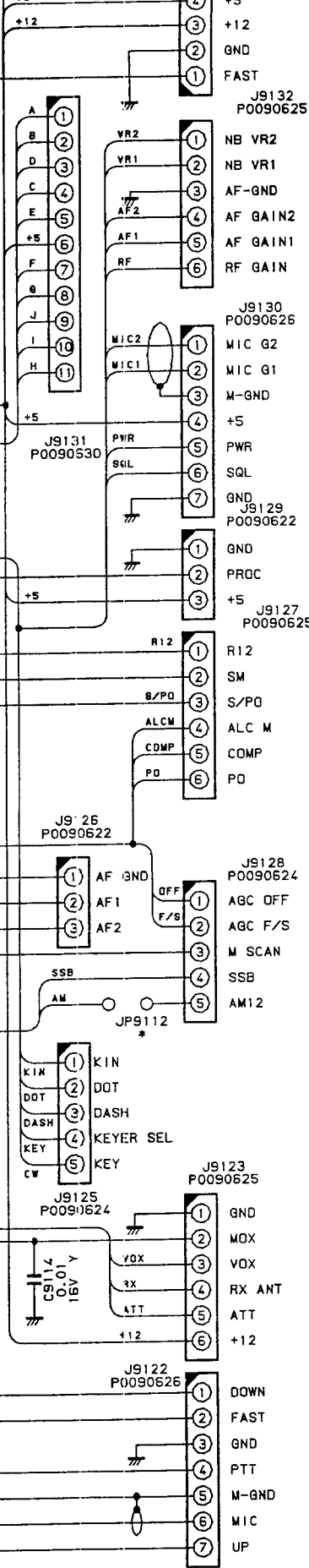




NOTE:  
RESISTOR VALUES ARE IN  $\Omega$ , 1/ $\Omega$ ,  
CAPACITOR VALUES ARE IN  $\mu$ F, 1/ $\mu$ F,  
INDUCTOR VALUES ARE IN H  
UNLESS OTHERWISE NOTED.

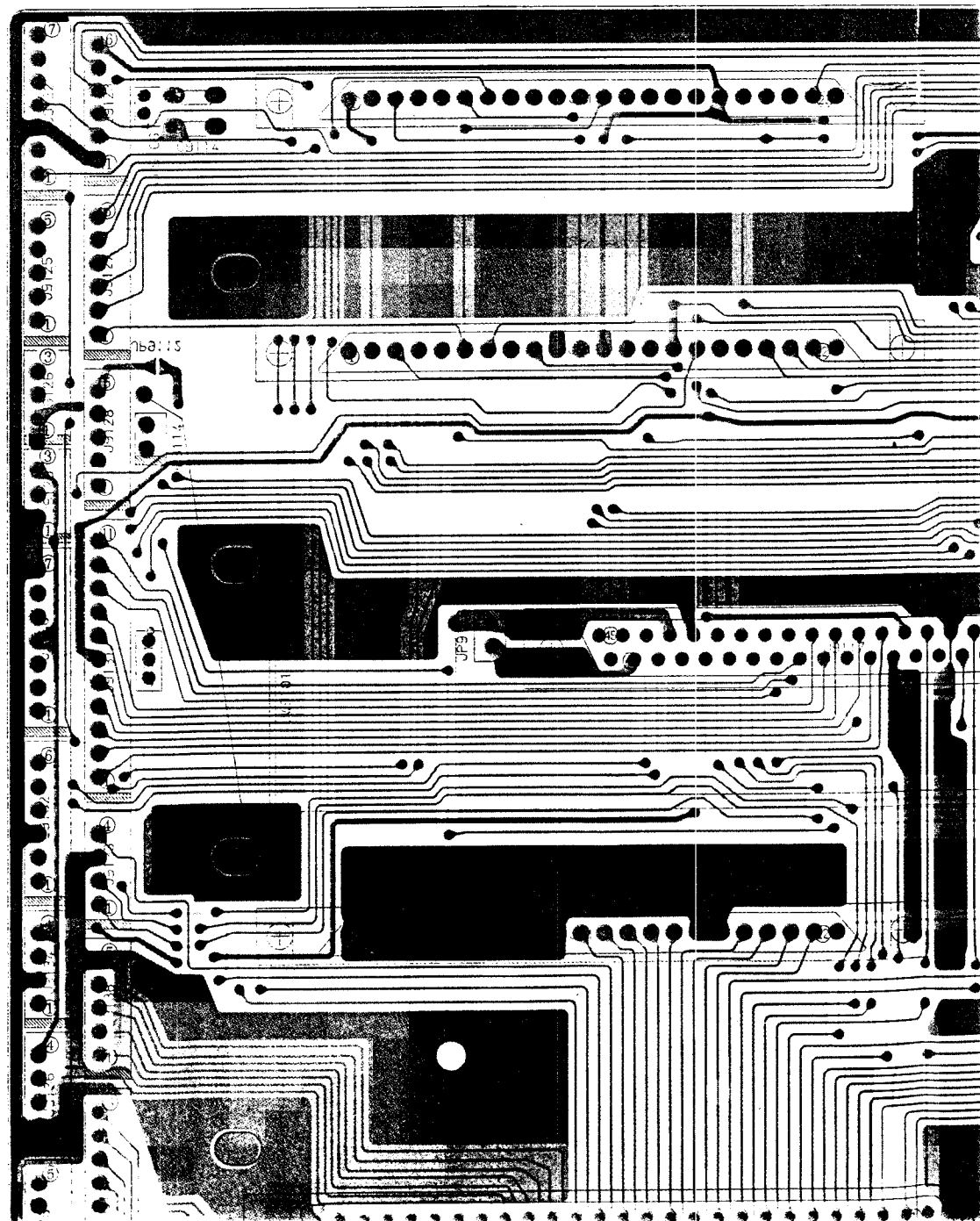


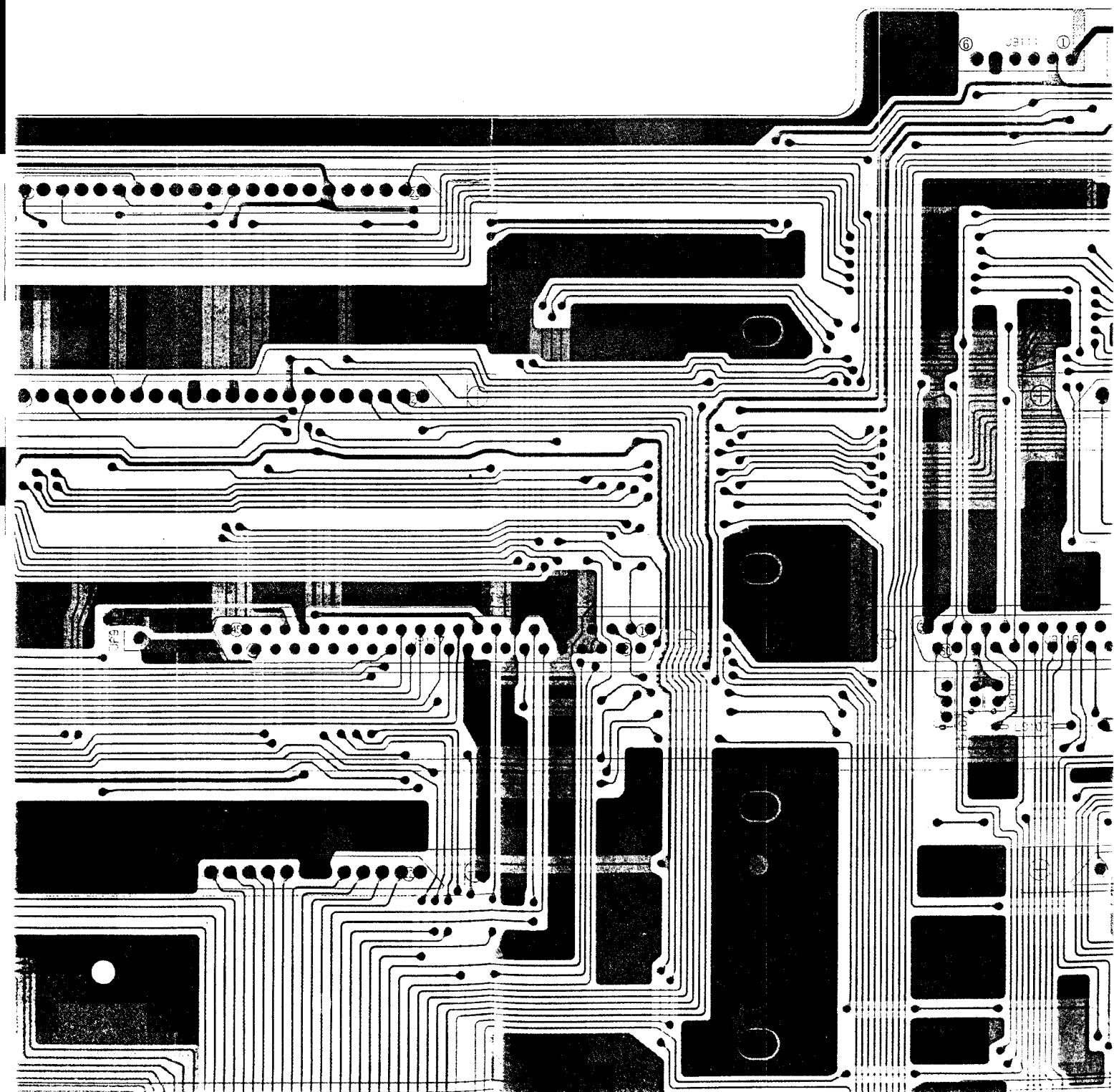
NOTE:  
RESISTOR VALUES ARE IN  $\Omega$ , 1/6W ;  
CAPACITOR VALUES ARE IN  $\mu$ F, 50V ;  
INDUCTOR VALUES ARE IN H  
UNLESS OTHERWISE NOTED.



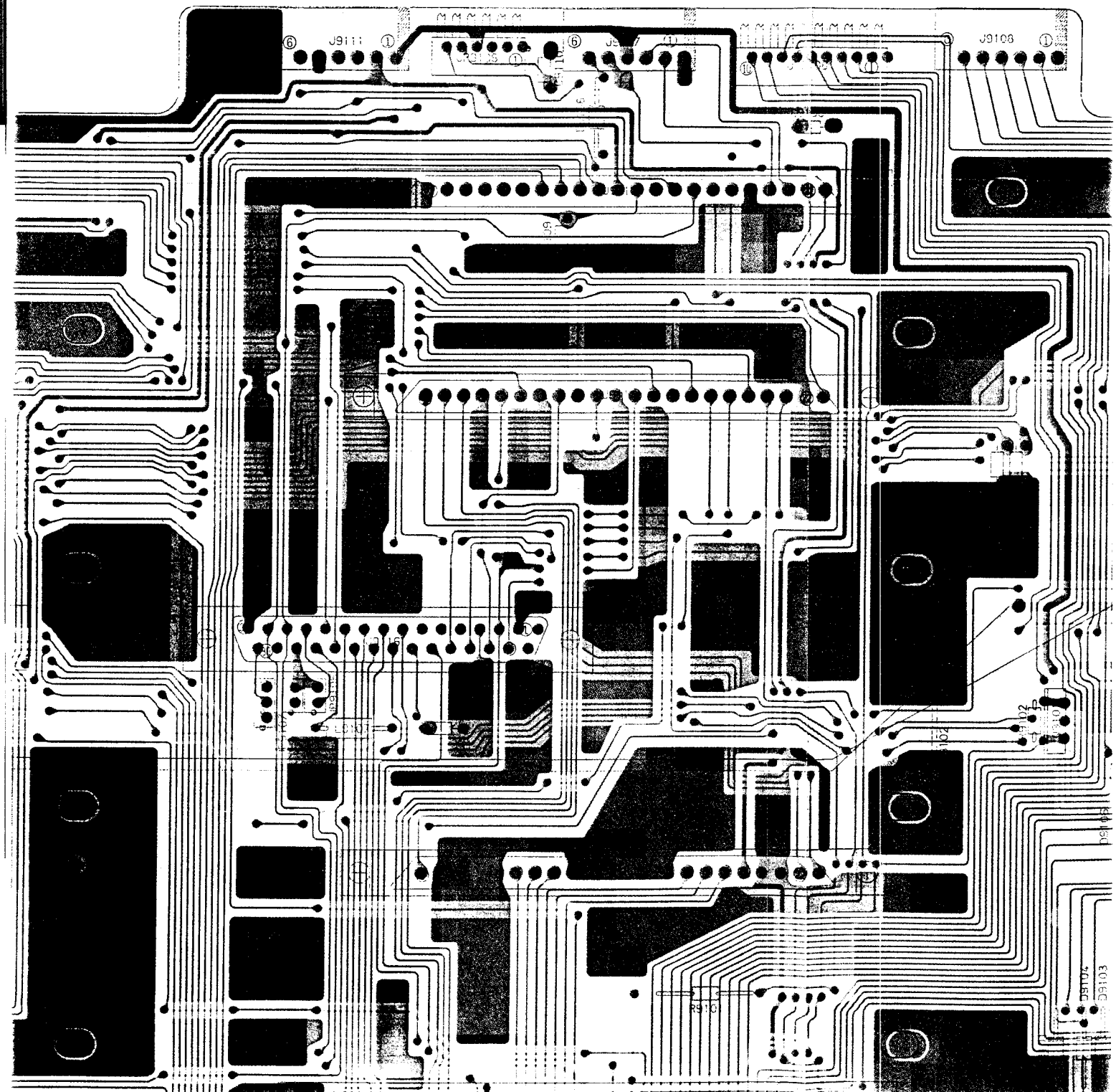
MOTHER UNIT

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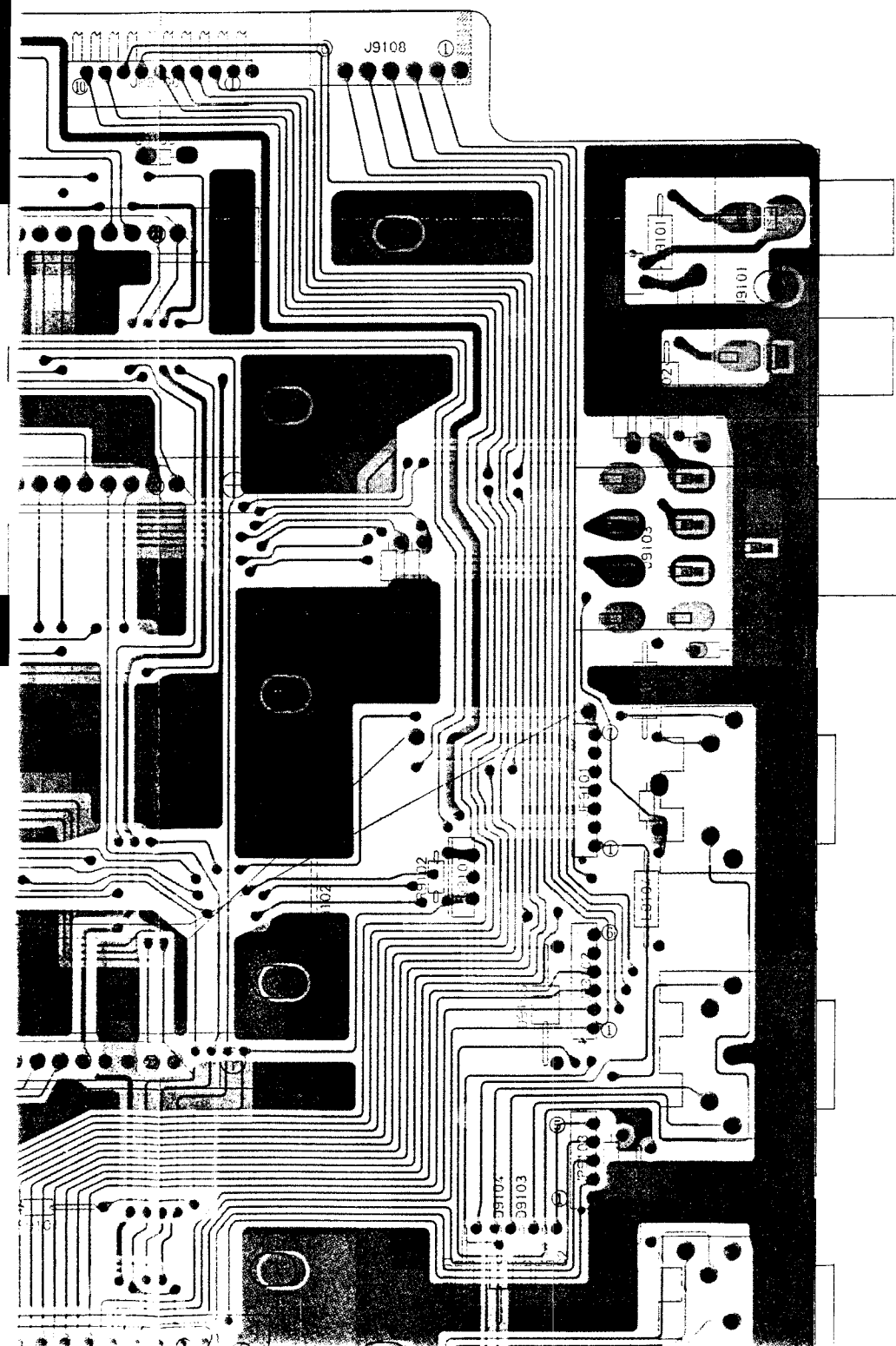


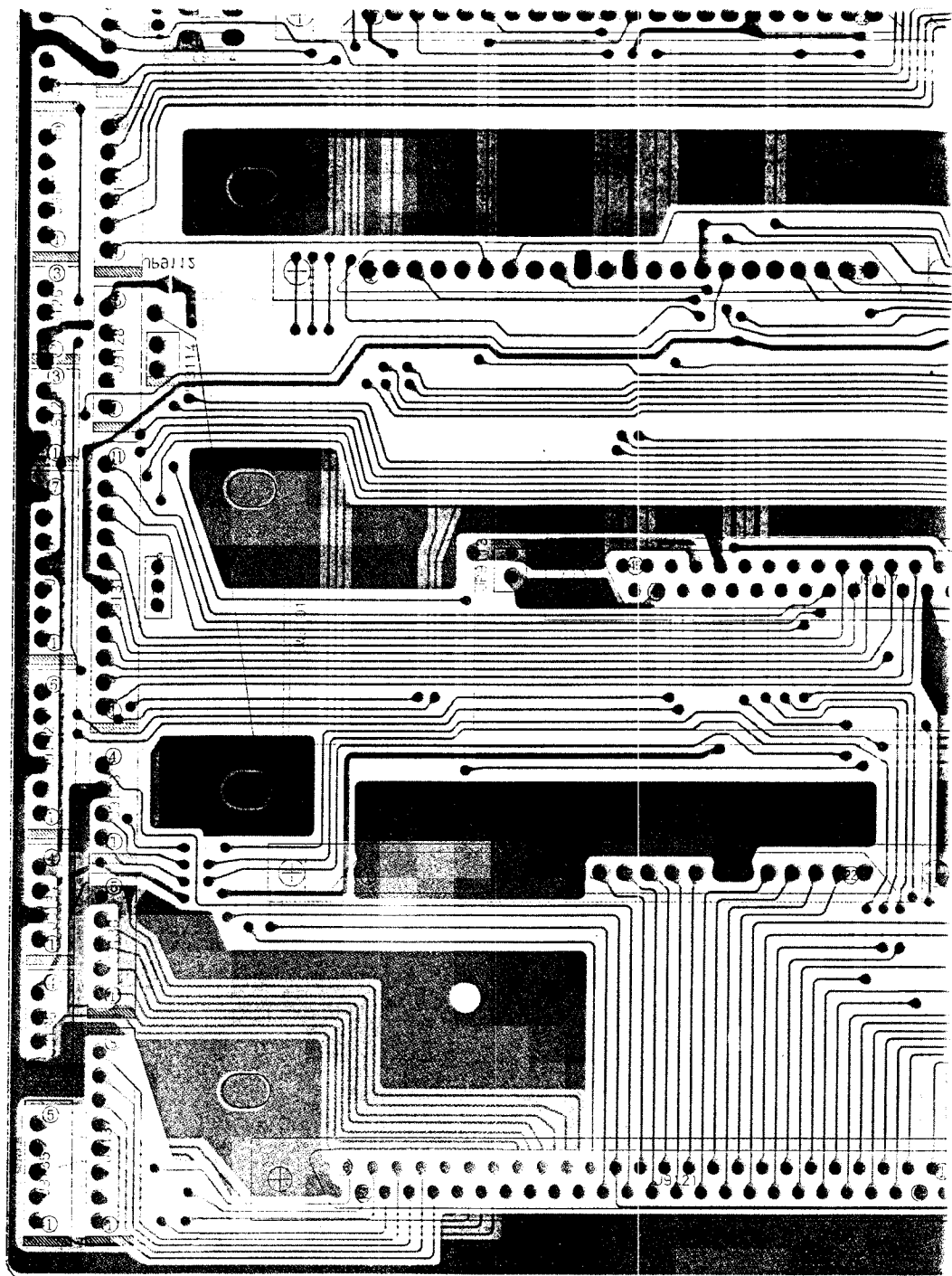


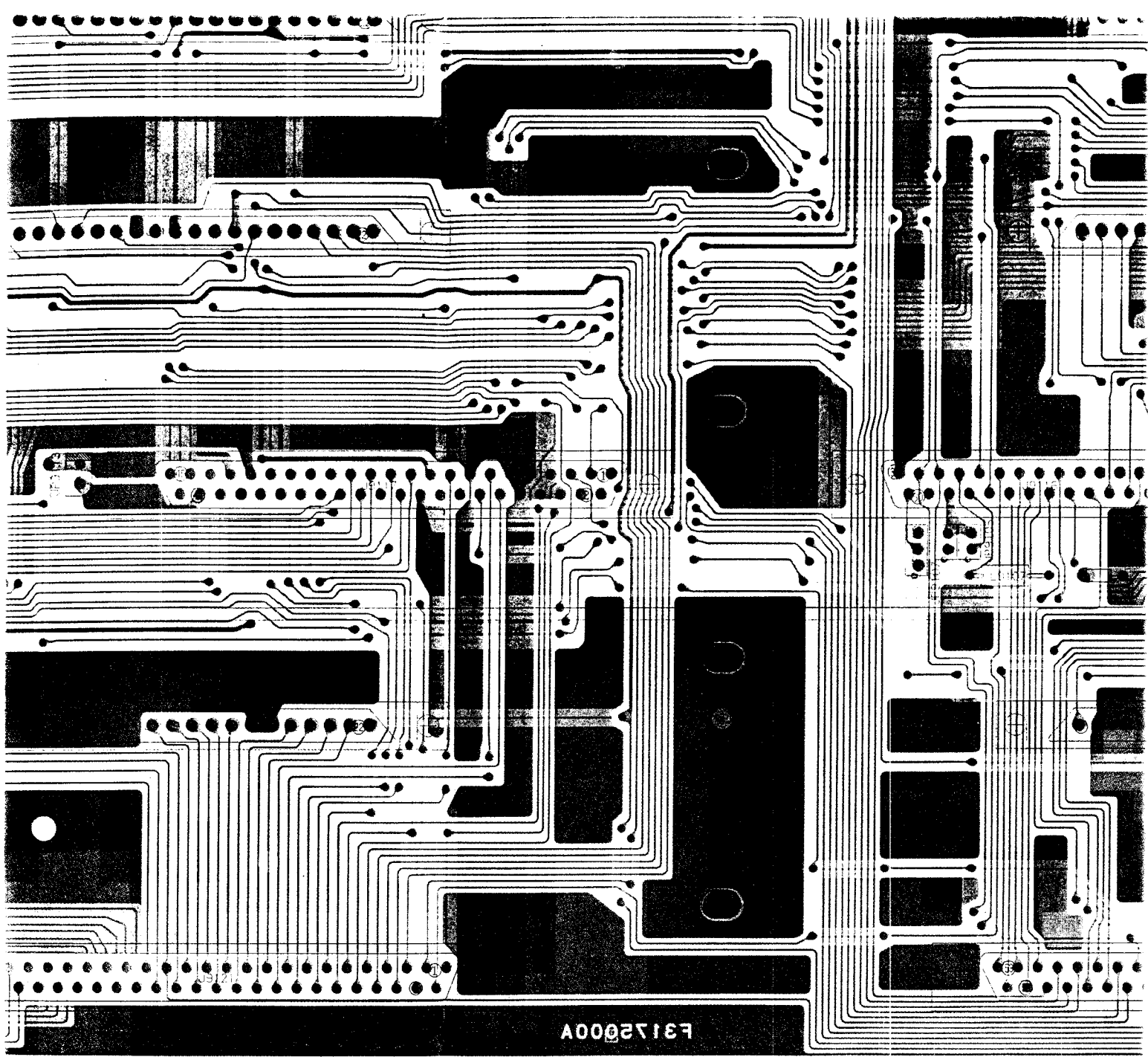
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# Moterboard (Mother Unit)

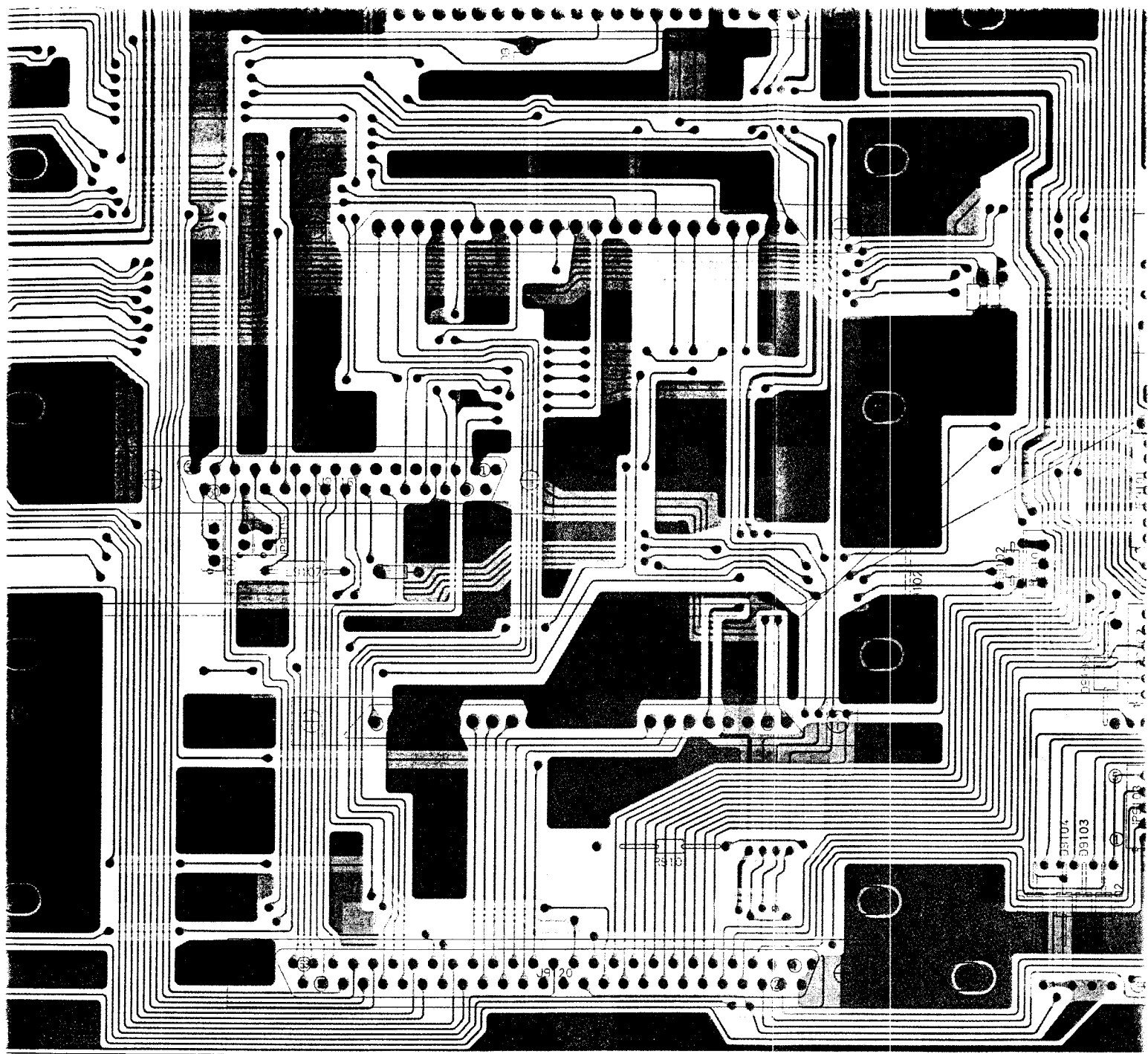


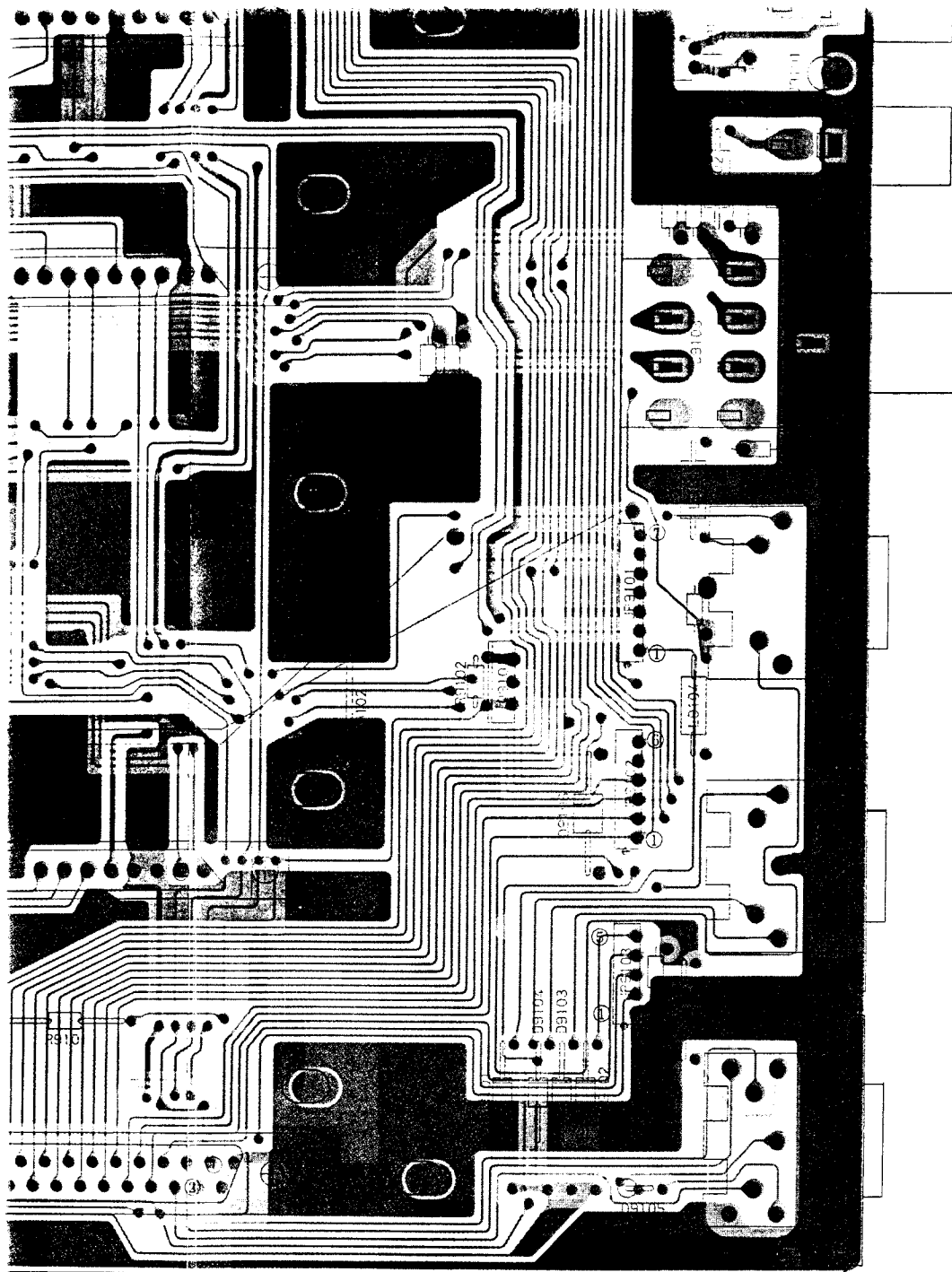




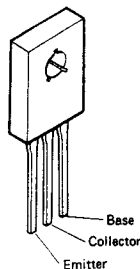
F312500A







("component" side)

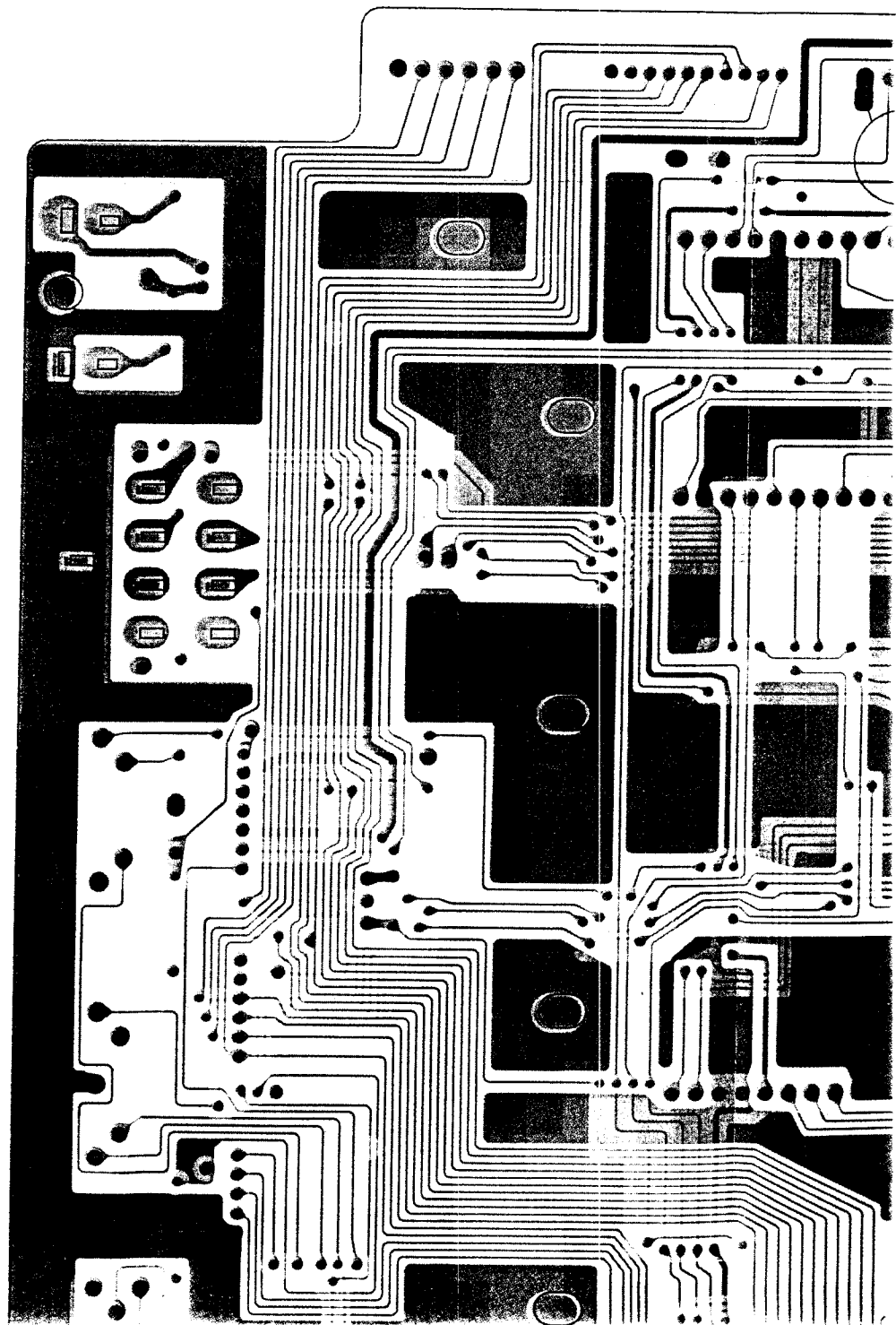


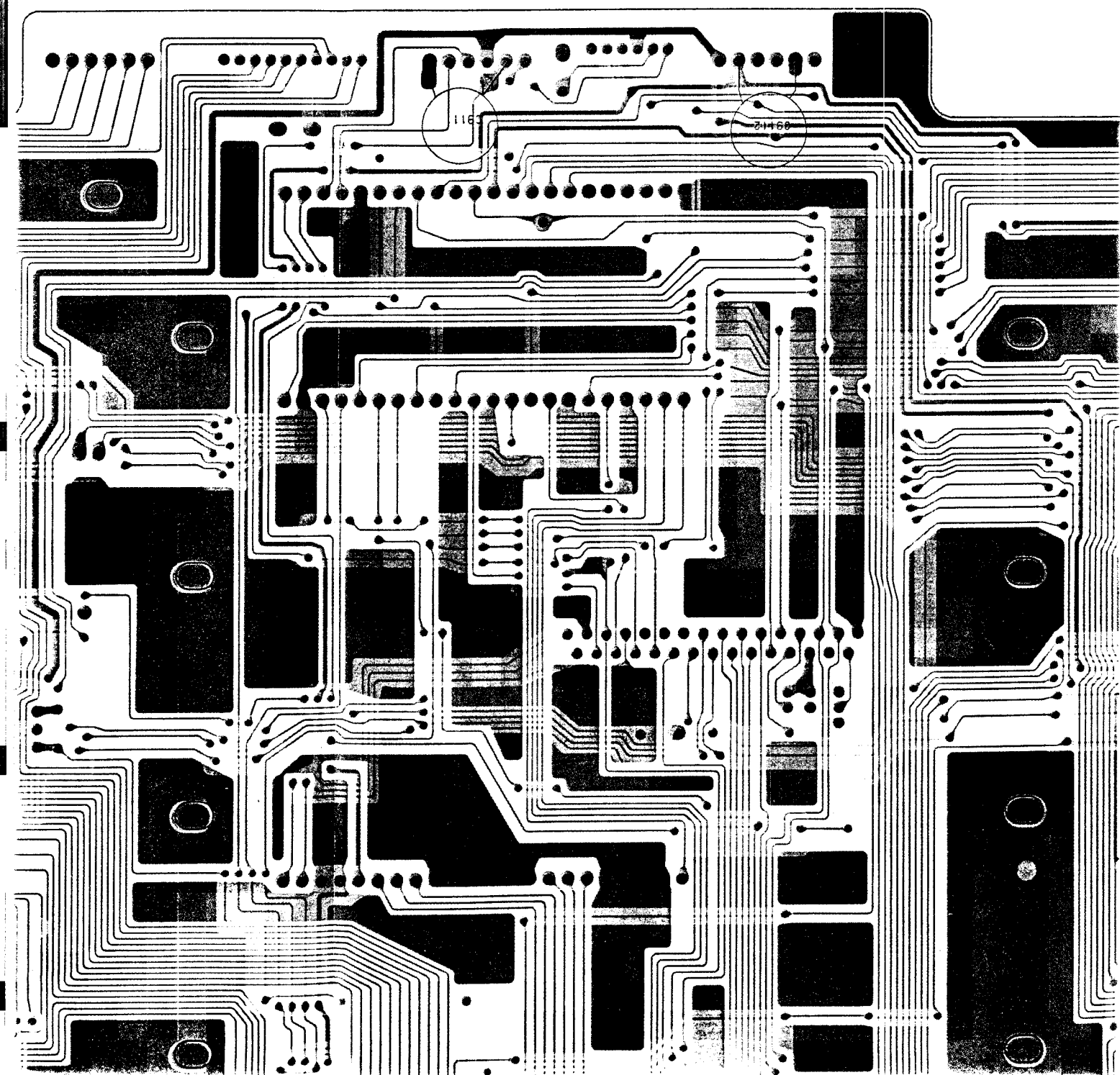
2SD669A  
(Q9101)

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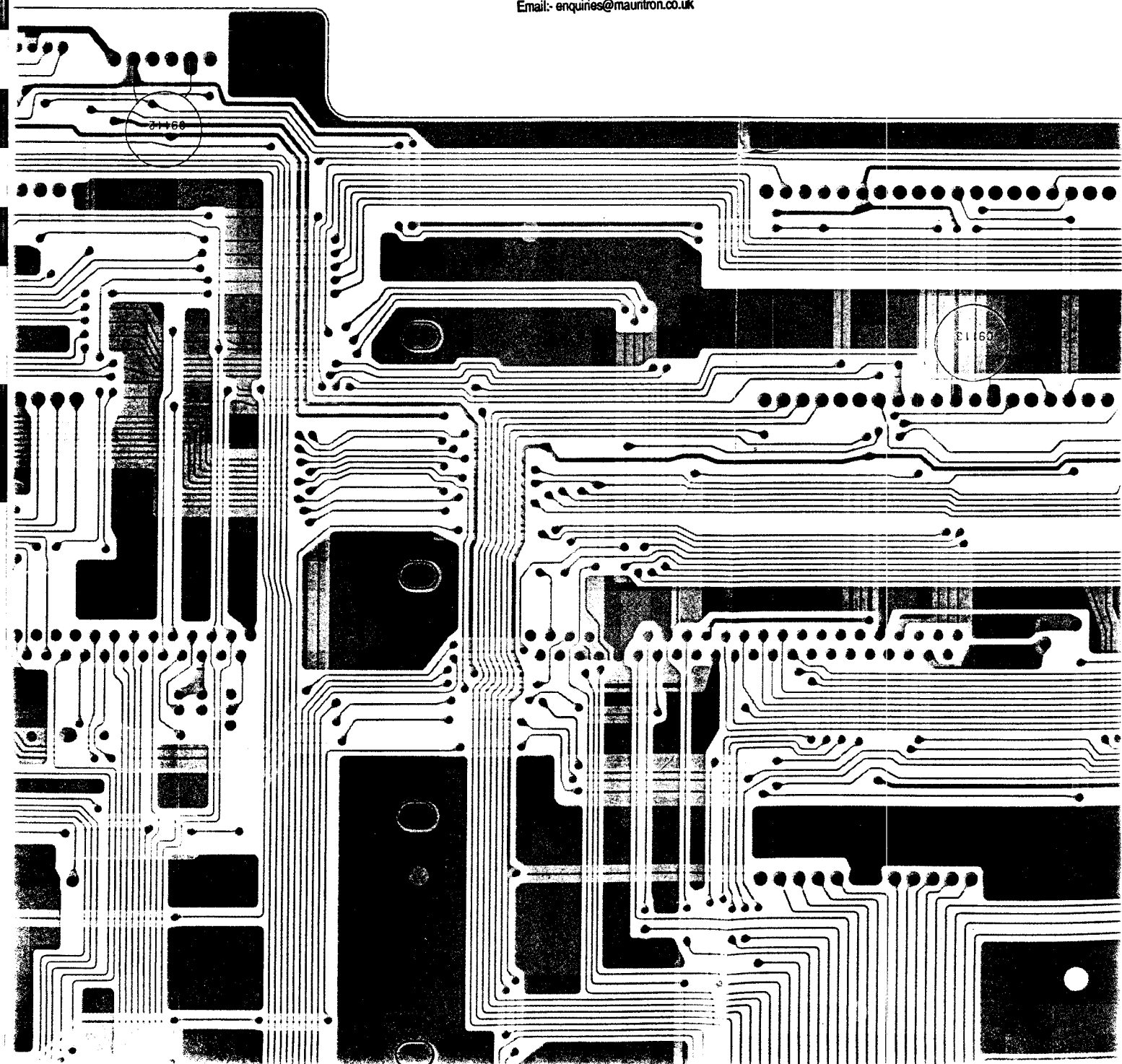
# Moterboard (Mother Unit)

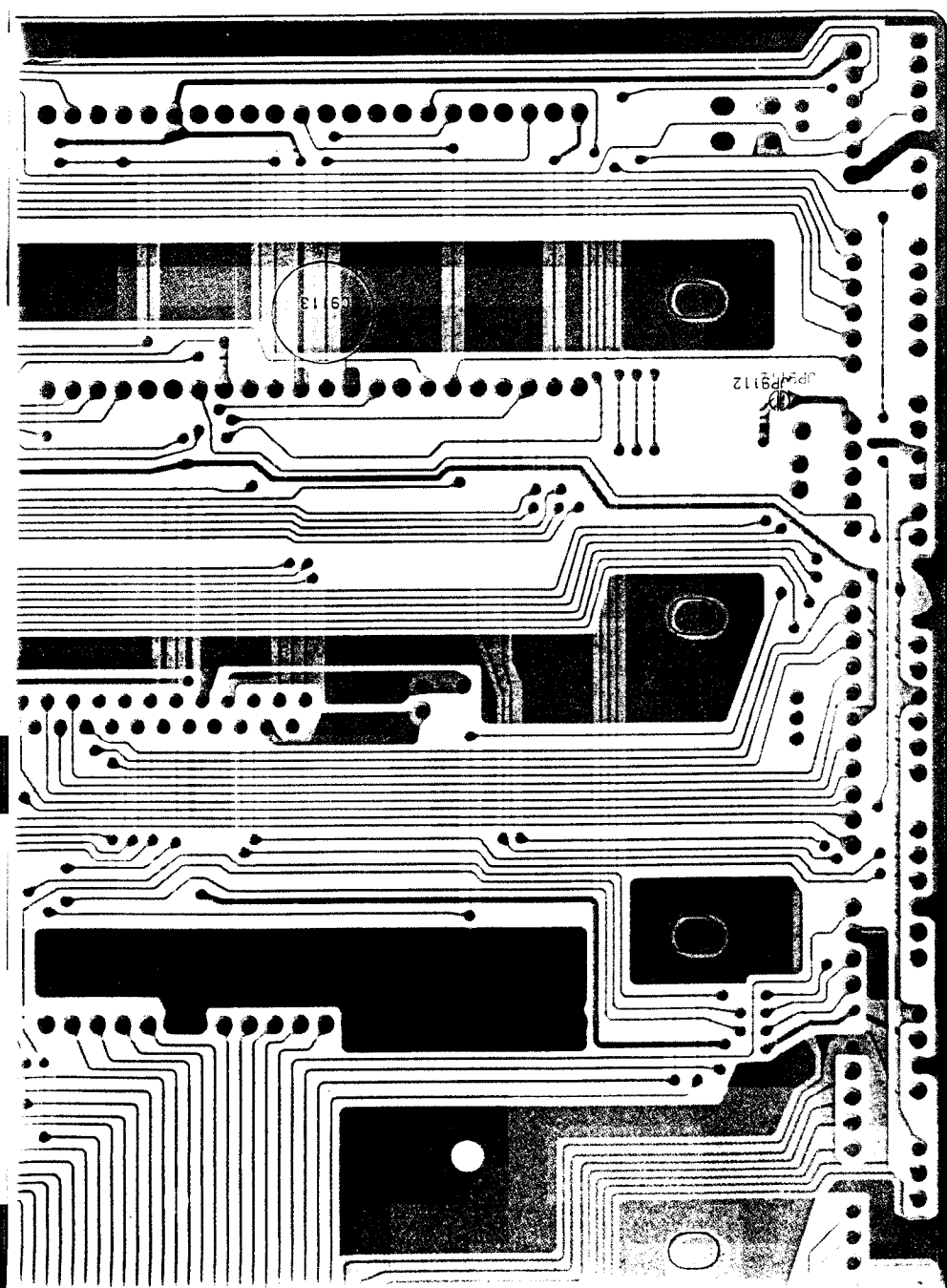
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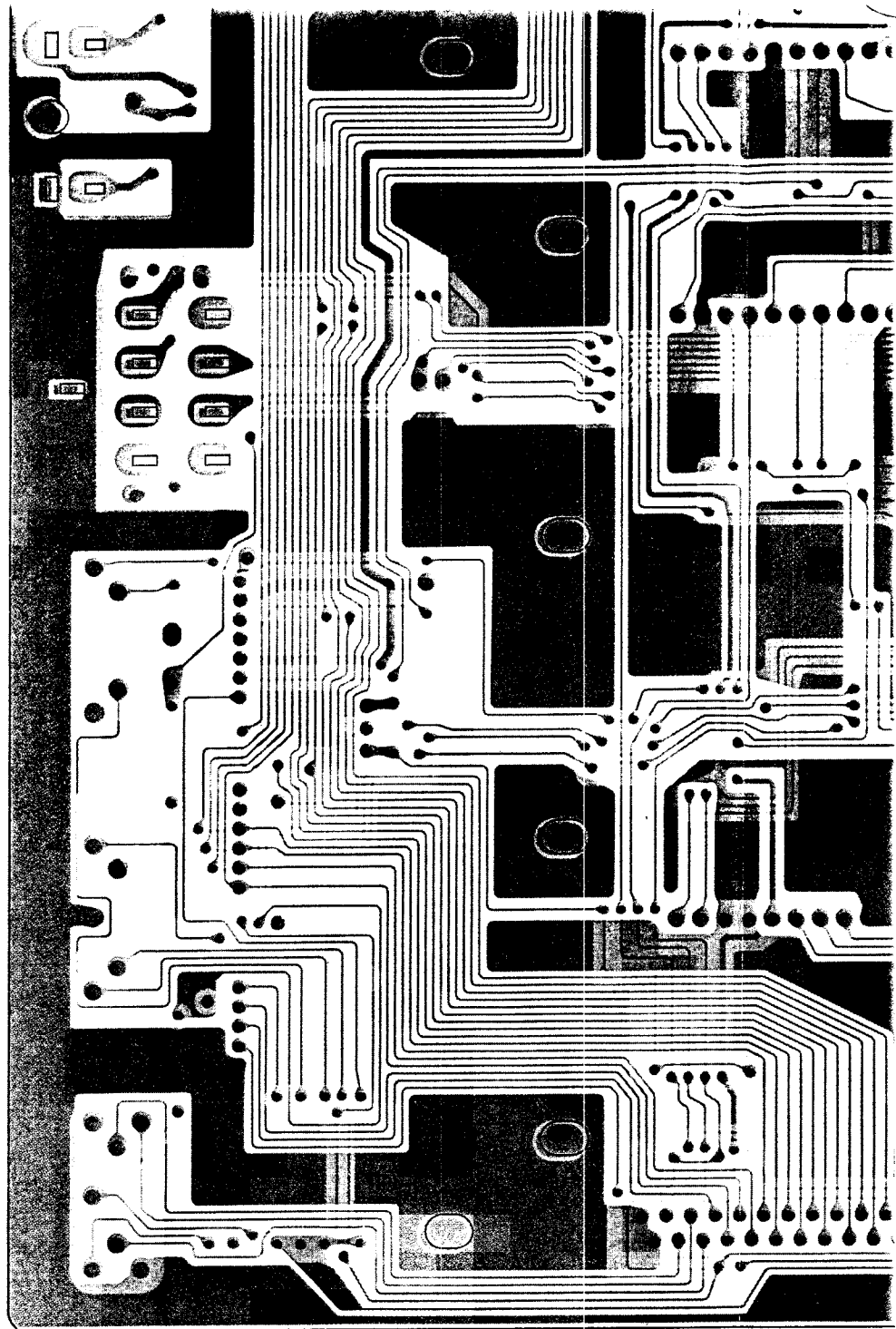


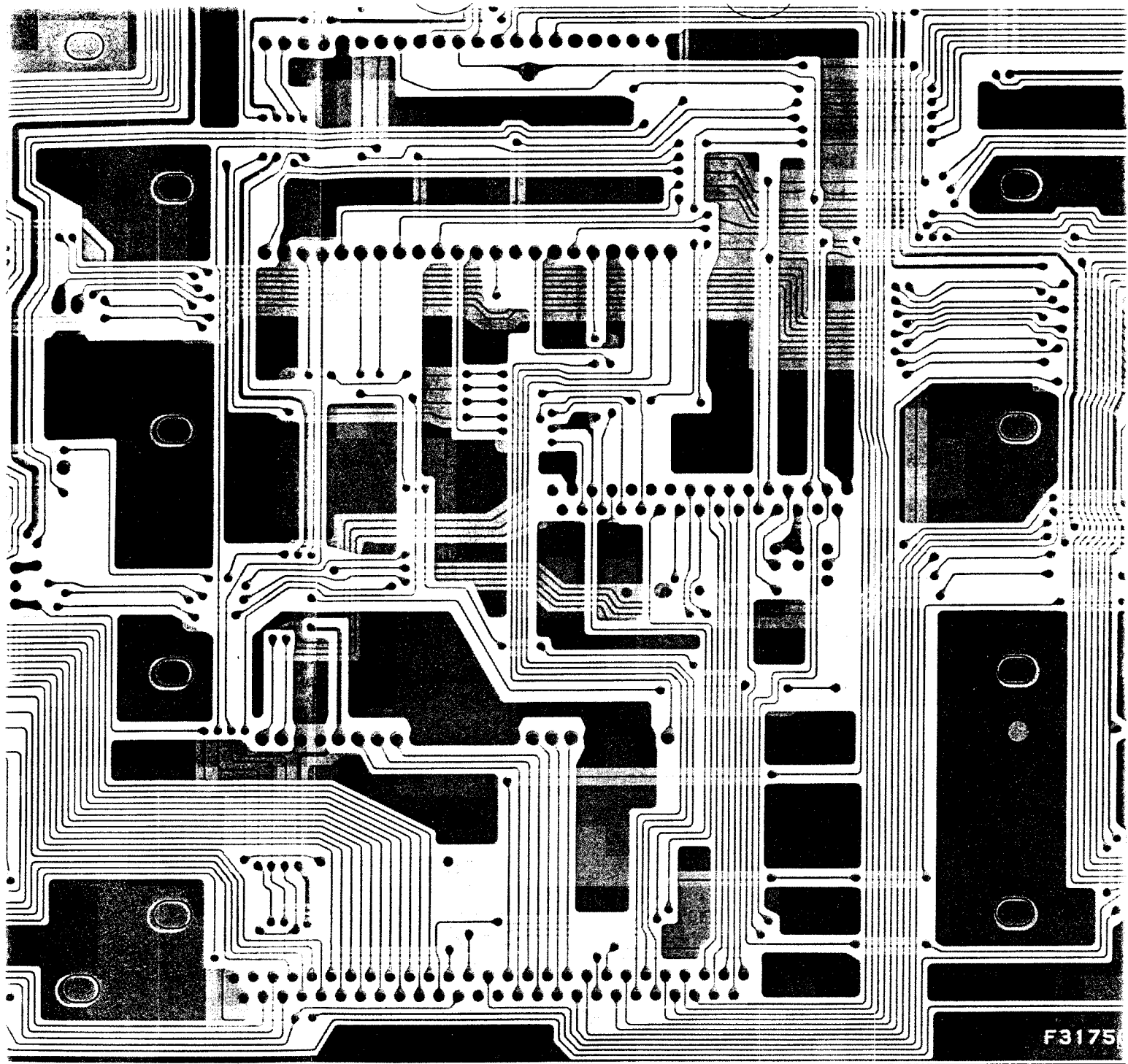


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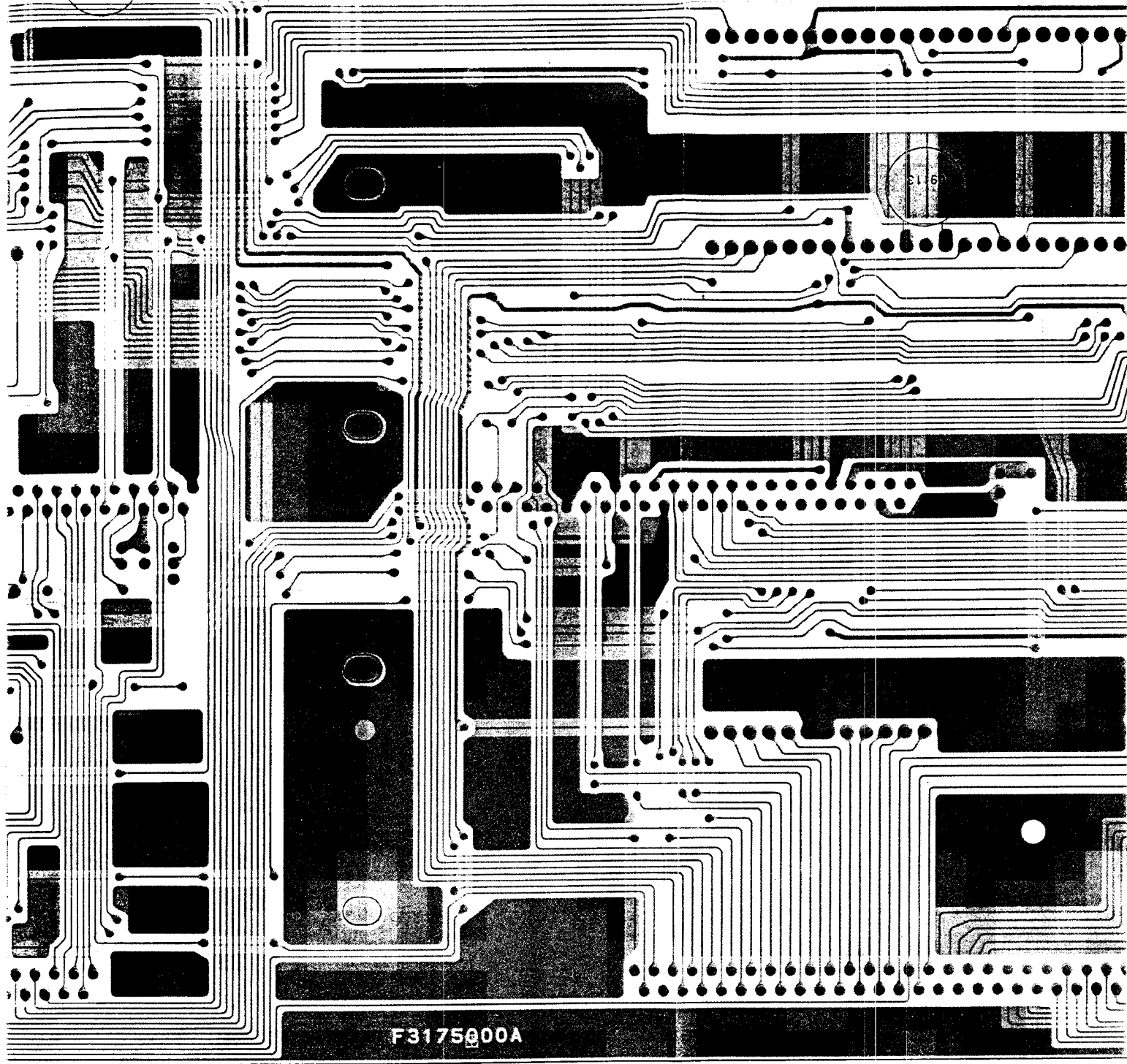




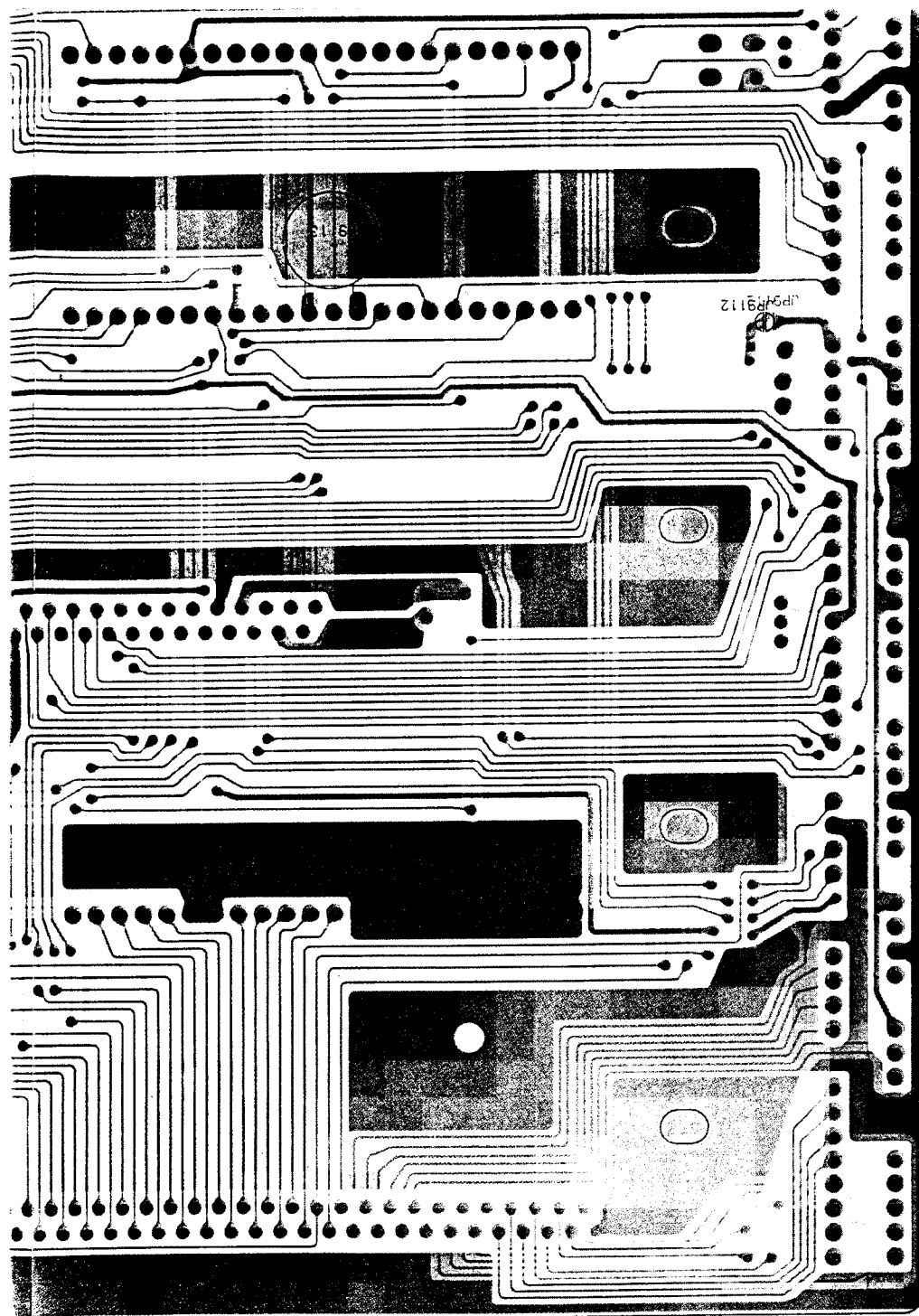








F3175000A



("solder" side)

# Moterboard (Mother Unit)

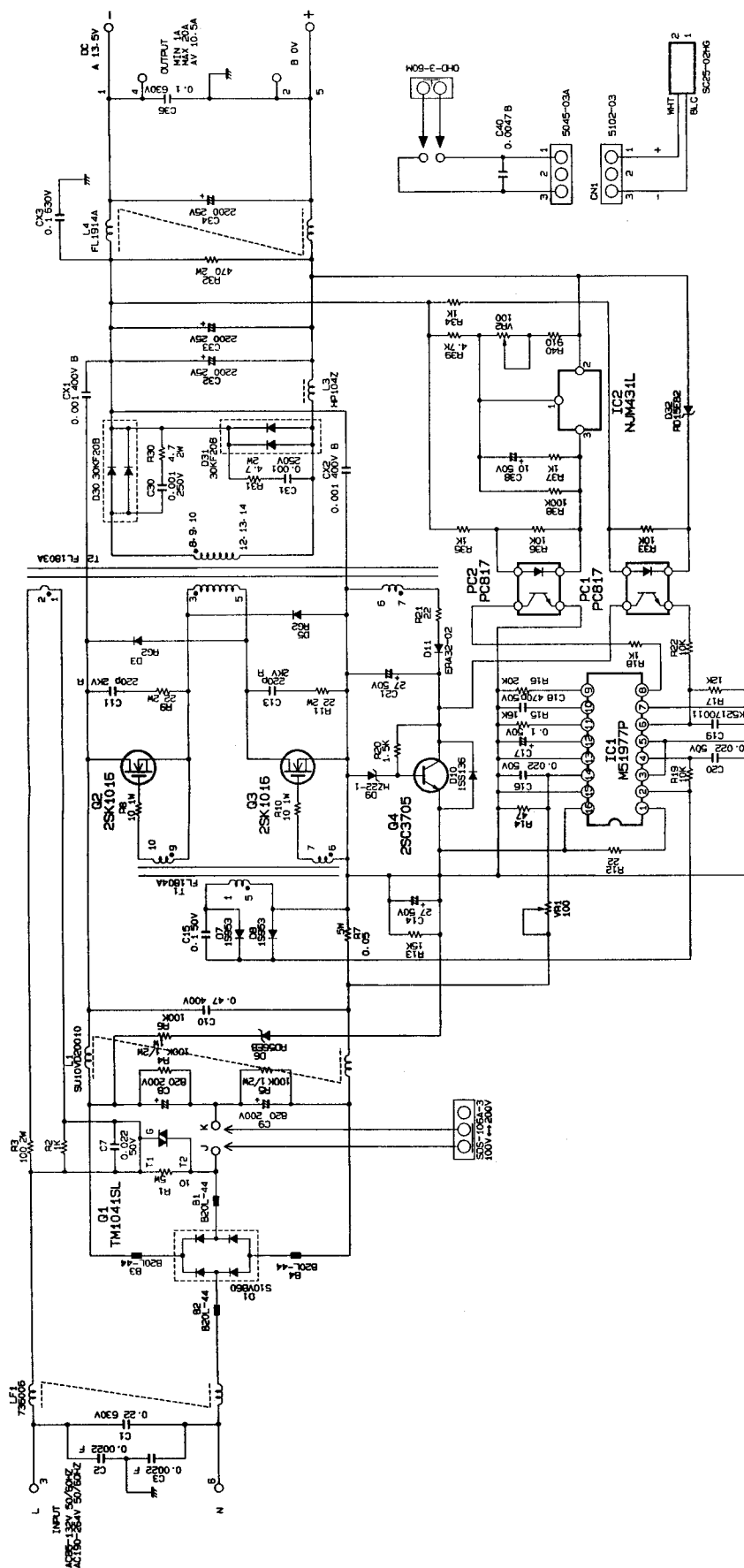
| REF.                 | YAESU P/N | DESCRIPTION      | MFGR'S DESIG      | VALUE   | WV  | TOL. | VERS. |
|----------------------|-----------|------------------|-------------------|---------|-----|------|-------|
| *** MOTHER BOARD *** |           |                  |                   |         |     |      |       |
|                      | CA0296001 | P.C.B. W COMP.   |                   |         |     |      |       |
|                      | F3175000A | P.C.B. W/O COMP. |                   |         |     |      |       |
| C 9108               | K28129001 | CERAMIC CAP.     | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 9109               | K28129001 | CERAMIC CAP.     | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 9110               | K28129001 | CERAMIC CAP.     | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| C 9111               | K13179009 | CERAMIC CAP.     | DD110F473Z50      | 0.047uF | 50V | F    |       |
| C 9112               | K13179009 | CERAMIC CAP.     | DD110F473Z50      | 0.047uF | 50V | F    |       |
| C 9113               | K13179009 | CERAMIC CAP.     | DD110F473Z50      | 0.047uF | 50V | F    |       |
| C 9114               | K28129001 | CERAMIC CAP.     | EP050Y103N-A      | 0.01uF  | 16V | Y    |       |
| D 9101               | G2090408  | DIODE            | 1SS270            |         |     |      |       |
| D 9102               | G2090408  | DIODE            | 1SS270            |         |     |      |       |
| D 9103               | G2090408  | DIODE            | 1SS270            |         |     |      |       |
| D 9104               | G2090408  | DIODE            | 1SS270            |         |     |      |       |
| D 9105               | G2090408  | DIODE            | 1SS270            |         |     |      |       |
| D 9106               | G2090002  | DIODE            | 10D10             |         |     |      |       |
| D 9108               | G2090408  | DIODE            | 1SS270            |         |     |      |       |
| J 9101               | P1090632  | CONNECTOR        | JPJ2042-01-120    |         |     |      |       |
| J 9103               | P1090351  | CONNECTOR        | S-G4617#03        |         |     |      |       |
| J 9104               | P1090645  | CONNECTOR        | TCS5073-14-4151   |         |     |      |       |
| J 9105               | P1090646  | CONNECTOR        | TCS5073-15-4151   |         |     |      |       |
| J 9106               | P1090648  | CONNECTOR        | TCS5073-17-4151   |         |     |      |       |
| J 9107               | P0090639  | CONNECTOR        | SC25-06WL         |         |     |      |       |
| J 9108               | P0090639  | CONNECTOR        | SC25-06WL         |         |     |      |       |
| J 9111               | P0090639  | CONNECTOR        | SC25-06WL         |         |     |      |       |
| J 9112               | P1090679  | CONNECTOR        | PCN6-22S-2.5DS    |         |     |      |       |
| J 9113               | P1090679  | CONNECTOR        | PCN6-22S-2.5DS    |         |     |      |       |
| J 9114               | P1090679  | CONNECTOR        | PCN6-22S-2.5DS    |         |     |      |       |
| J 9115               | P1090679  | CONNECTOR        | PCN6-22S-2.5DS    |         |     |      |       |
| J 9116               | P1090655  | CONNECTOR        | PCN5D-31ST-1.27DS |         |     |      |       |
| J 9117               | P1090656  | CONNECTOR        | PCN5D-45ST-1.27DS |         |     |      |       |
| J 9118               | P1090679  | CONNECTOR        | PCN6-22S-2.5DS    |         |     |      |       |
| J 9119               | P1090679  | CONNECTOR        | PCN6-22S-2.5DS    |         |     |      |       |
| J 9120               | P1090673  | CONNECTOR        | PCN5D-53ST-1.27DS |         |     |      |       |
| J 9121               | P1090673  | CONNECTOR        | PCN5D-53ST-1.27DS |         |     |      |       |
| J 9122               | P0090626  | CONNECTOR        | SC25-07WS         |         |     |      |       |
| J 9123               | P0090625  | CONNECTOR        | SC25-06WS         |         |     |      |       |
| J 9125               | P0090624  | CONNECTOR        | SC25-05WS         |         |     |      |       |
| J 9126               | P0090622  | CONNECTOR        | SC25-03WS         |         |     |      |       |
| J 9127               | P0090625  | CONNECTOR        | SC25-06WS         |         |     |      |       |
| J 9128               | P0090624  | CONNECTOR        | SC25-05WS         |         |     |      |       |
| J 9129               | P0090622  | CONNECTOR        | SC25-03WS         |         |     |      |       |
| J 9130               | P0090626  | CONNECTOR        | SC25-07WS         |         |     |      |       |
| J 9131               | P0090630  | CONNECTOR        | SC25-11WS         |         |     |      |       |
| J 9132               | P0090625  | CONNECTOR        | SC25-06WS         |         |     |      |       |
| J 9133               | P0090623  | CONNECTOR        | SC25-04WS         |         |     |      |       |
| J 9134               | P0090623  | CONNECTOR        | SC25-04WS         |         |     |      |       |
| J 9135               | P0090624  | CONNECTOR        | SC25-05WS         |         |     |      |       |
| J 9136               | P0090623  | CONNECTOR        | SC25-04WS         |         |     |      |       |
| J 9137               | P0090627  | CONNECTOR        | SC25-08WS         |         |     |      |       |

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# Motherboard (Mother Unit)

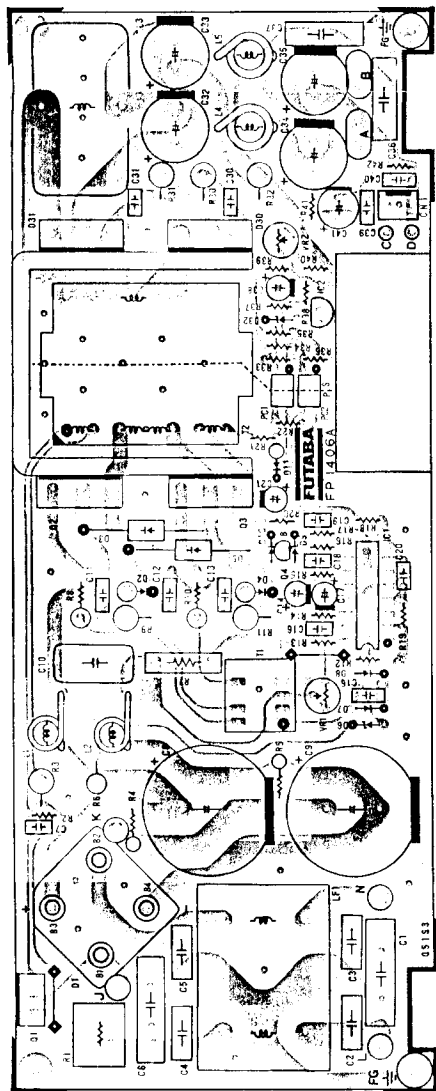
| REF.   | YAESU P/N | DESCRIPTION      | MFGR'S DESIG | VALUE | WV   | TOL. | VERS. |
|--------|-----------|------------------|--------------|-------|------|------|-------|
| J 9138 | P0090624  | CONNECTOR        | SC25-05WS    |       |      |      |       |
| JP9101 | T9206038A | WIRE-ASSY        |              |       |      |      |       |
| JP9102 | T9206039  | WIRE-ASSY        |              |       |      |      |       |
| JP9103 | T9206040  | WIRE-ASSY        |              |       |      |      |       |
| JP9104 | T9206056  | WIRE-ASSY        |              |       |      |      |       |
| JP9106 | T9206055  | WIRE-ASSY        |              |       |      |      |       |
| JP9108 | T9206017A | WIRE-ASSY        |              |       |      |      |       |
| JP9109 | T9206016A | WIRE-ASSY        |              |       |      |      |       |
| JP9110 | T9206077  | WIRE-ASSY        |              |       |      |      |       |
| L 9101 | L1190189  | M. RFC           | LAL03NA102K  | 1mH   |      |      |       |
| L 9102 | L1190189  | M. RFC           | LAL03NA102K  | 1mH   |      |      |       |
| L 9103 | L1190189  | M. RFC           | LAL03NA102K  | 1mH   |      |      |       |
| L 9104 | L1190189  | M. RFC           | LAL03NA102K  | 1mH   |      |      |       |
| L 9105 | L1190189  | M. RFC           | LAL03NA102K  | 1mH   |      |      |       |
| L 9107 | L1190189  | M. RFC           | LAL03NA102K  | 1mH   |      |      |       |
| Q 9101 | G3406691  | TRANSISTOR       | 2SD669A      |       |      |      |       |
| R 9101 | J01225102 | CARBON FILM RES. | RD16PJ102    | 1K    | 1/6W |      |       |
| R 9102 | J01225472 | CARBON FILM RES. | RD16PJ472    | 4.7K  | 1/6W |      |       |

# Power Supply (PS) Unit

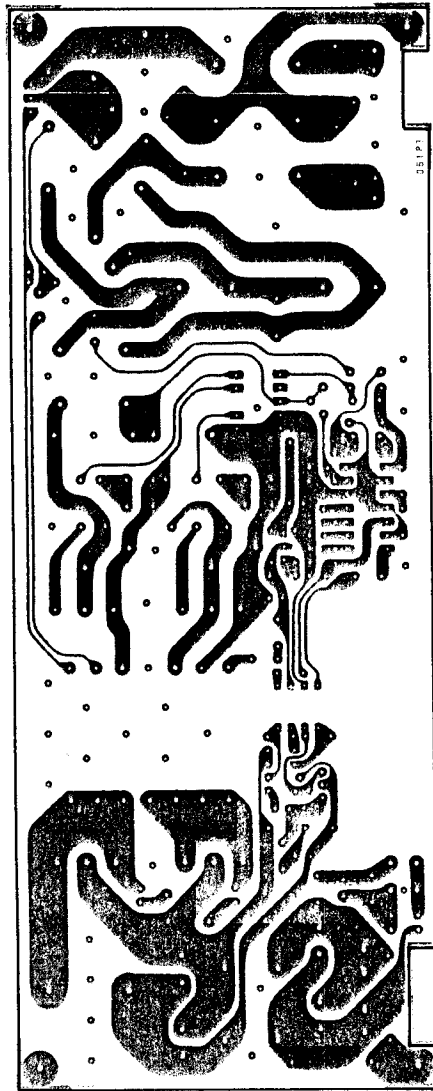


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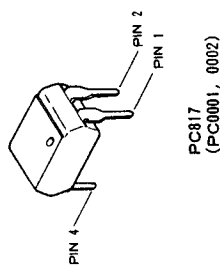
NOTE:  
 RESISTOR VALUES ARE IN  $\Omega$ ,  $k\Omega$ ,  $M\Omega$ ,  
 CAPACITOR VALUES ARE IN  $\mu F$ ,  $nF$ ,  $pF$ ,  
 UNLESS OTHERWISE NOTED.



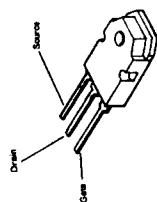
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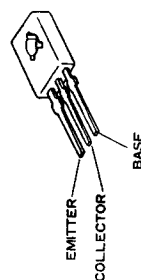
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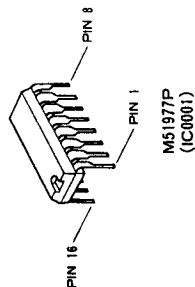
PC817  
(PC0001, 0002)



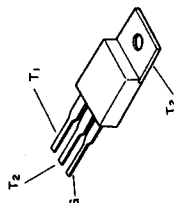
2SK1016  
(Q0002, 0003)



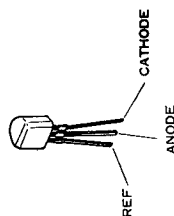
2SC3705  
(Q0004)



M5197P  
(IC0001)



TM1041SL  
(Q0001)



NJM431L  
(IC0002)

NJM431L (TO-92) CIRCUIT DIAGRAM

# Power Supply (PS) Unit

| REF.            | YAESU P/N | DESCRIPTION       | MFR'S DESIG       | VALUE    | WV   | TOL. | VERS. |
|-----------------|-----------|-------------------|-------------------|----------|------|------|-------|
| *** PS UNIT *** |           |                   |                   |          |      |      |       |
| B 0001          | L9190071  | FERITE BEADS      | B20L-44           |          |      |      |       |
| B 0002          | L9190071  | FERITE BEADS      | B20L-44           |          |      |      |       |
| B 0003          | L9190071  | FERITE BEADS      | B20L-44           |          |      |      |       |
| B 0004          | L9190071  | FERITE BEADS      | B20L-44           |          |      |      |       |
| C 0001          | K52280006 | FILM CAP.         | MMH224K630        | 0.22uF   | 630V |      |       |
| C 0002          | K13269003 | CERAMIC CAP.      | DE7100F222MVA1-KC | 0.0022uF |      | F    |       |
| C 0003          | K13269003 | CERAMIC CAP.      | DE7100F222MVA1-KC | 0.0022uF |      | F    |       |
| C 0007          | K52170008 | FILM CAP.         | AMZ223K50         | 0.22uF   | 50V  |      |       |
| C 0008          | K40239004 | AL. ELECTRO. CAP. | CEAWF2D821M20     | 820uF    | 200V |      |       |
| C 0009          | K40239004 | AL. ELECTRO. CAP. | CEAWF2D821M20     | 820uF    | 200V |      |       |
| C 0010          | K52260001 | FILM CAP.         | ECQE4474KF        | 0.47uF   | 400V |      |       |
| C 0011          | K10339001 | CERAMIC CAP.      | DE5077R221K2K     | 220pF    | 2KV  | R    |       |
| C 0013          | K10339001 | CERAMIC CAP.      | DE5077R221K2K     | 220pF    | 2KV  | R    |       |
| C 0014          | K40179051 | AL. ELECTRO. CAP. | ECEA1HFE270       | 27uF     | 50V  |      |       |
| C 0015          | K52170009 | FILM CAP.         | AMZ104K50         | 0.1uF    | 50V  |      |       |
| C 0016          | K52170008 | FILM CAP.         | AMZ223K50         | 0.022uF  | 50V  |      |       |
| C 0017          | K40179054 | AL. ELECTRO. CAP. | CEUSM1HR10        | 0.1uF    | 50V  |      |       |
| C 0018          | K52170010 | FILM CAP.         | AMZ471K50         | 470pF    | 50V  |      |       |
| C 0019          | K52170011 | FILM CAP.         | AMZ473K50         | 0.047uF  | 50V  |      |       |
| C 0020          | K52170008 | FILM CAP.         | AMZ223K50         | 0.022uF  | 50V  |      |       |
| C 0021          | K40179051 | AL. ELECTRO. CAP. | ECEA1HFE270       | 27uF     | 50V  |      |       |
| C 0030          | K52240005 | FILM CAP.         | AMZ102K250        | 0.001uF  | 250V |      |       |
| C 0031          | K52240005 | FILM CAP.         | AMZ102K250        | 0.001uF  | 250V |      |       |
| C 0032          | K40149038 | AL. ELECTRO. CAP. | ECA1EFQ222L       | 2200uF   | 25V  |      |       |
| C 0033          | K40149038 | AL. ELECTRO. CAP. | ECA1EFQ222L       | 2200uF   | 25V  |      |       |
| C 0034          | K40149038 | AL. ELECTRO. CAP. | ECA1EFQ222L       | 2200uF   | 25V  |      |       |
| C 0036          | K52280007 | FILM CAP.         | MMH104K630        | 0.1uF    | 630V |      |       |
| C 0038          | K40179053 | AL. ELECTRO. CAP. | CEUSM1H100        | 10uF     | 50V  |      |       |
| C 0040          | K10179038 | CERAMIC CAP.      | DD108B472K50      | 0.0047uF | 50V  | B    |       |
| CN0001          | P0090219  | CONNECTOR         | 5045-03A          |          |      |      |       |
| CX0001          | K10269002 | CERAMIC CAP.      | DE7090B102KVA1-KC | 0.001uF  | 400V | B    |       |
| CX0002          | K10269002 | CERAMIC CAP.      | DE7090B102KVA1-KC | 0.001uF  | 400V | B    |       |
| CX0003          | K52280008 | FILM CAP.         | MMH103K630        | 0.01uF   | 630V |      |       |
| D 0001          | G2090501  | DIODE             | S10VB60           |          |      |      |       |
| D 0003          | G2090502  | DIODE             | RG2               |          |      |      |       |
| D 0005          | G2090502  | DIODE             | RG2               |          |      |      |       |
| D 0006          | G2090503  | DIODE             | RD56EB            |          |      |      |       |
| D 0007          | G2009530  | DIODE             | 1S953             |          |      |      |       |
| D 0008          | G2009530  | DIODE             | 1S953             |          |      |      |       |
| D 0009          | G2090455  | DIODE             | HZ22-1            |          |      |      |       |
| D 0010          | G2090504  | DIODE             | 1SS136            |          |      |      |       |
| D 0011          | G2090505  | DIODE             | ERA32-02          |          |      |      |       |
| D 0030          | G2090506  | DIODE             | 30KF20B           |          |      |      |       |
| D 0031          | G2090506  | DIODE             | 30KF20B           |          |      |      |       |
| D 0032          | G2090507  | DIODE             | RD15EB2           |          |      |      |       |
| IC0001          | G1091275  | IC                | M51977P           |          |      |      |       |
| IC0002          | G1091276  | IC                | NJM431L           |          |      |      |       |
| L 0001          | S8100251  | RFC               | SU10VD20010       |          |      |      |       |

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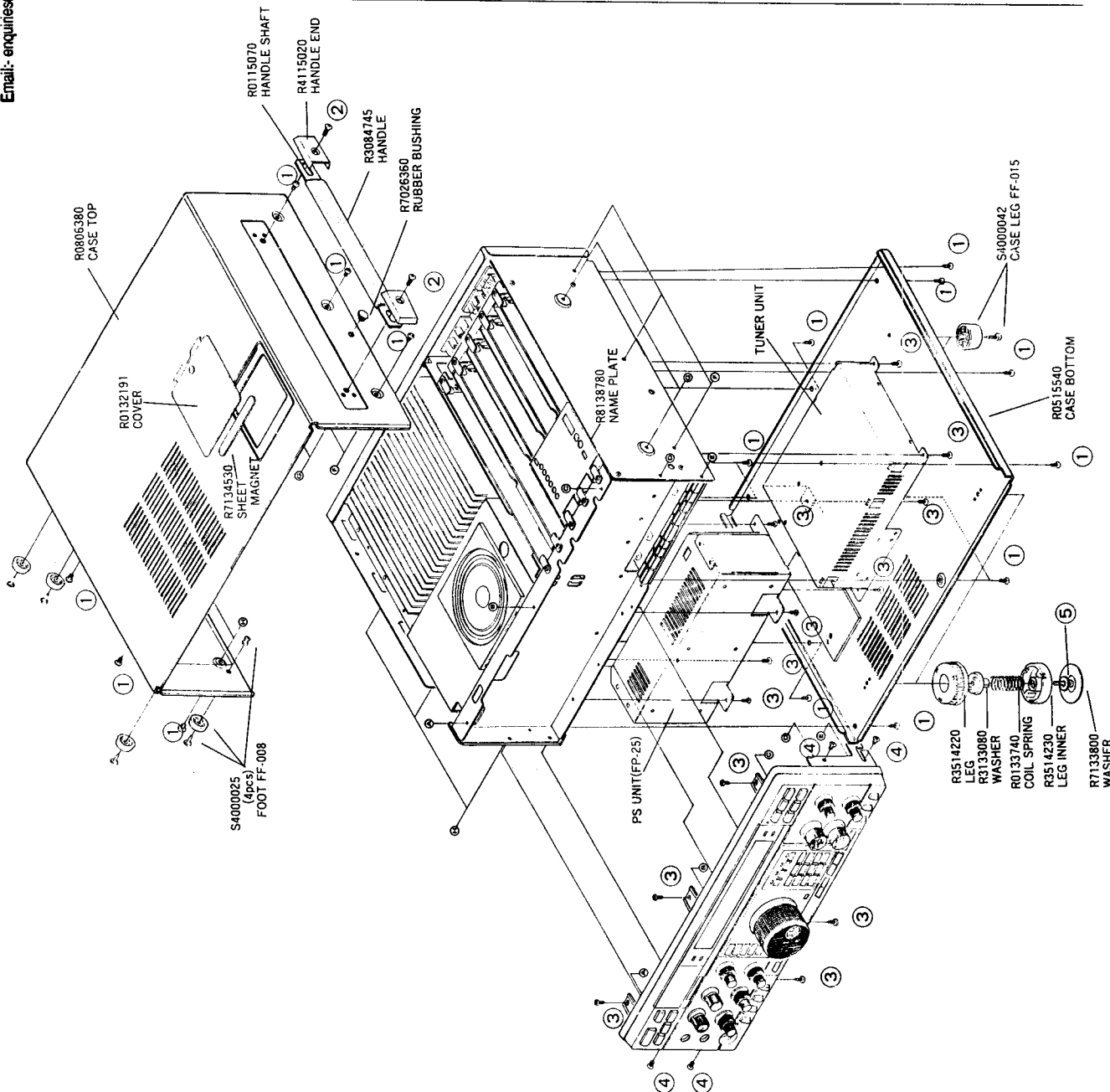
# Power Supply (PS) Unit

| REF.   | YAESU P/N | DESCRIPTION      | MFGR'S DESIG    | VALUE | WV   | TOL. | VERS. |
|--------|-----------|------------------|-----------------|-------|------|------|-------|
| L 0003 | S8100205  | RFC              | HP104Z          |       |      |      |       |
| L 0004 | S8100252  | RFC              | FL1914A         |       |      |      |       |
| LF0001 | S8100201  | LINE FILTER      | 736006          |       |      |      |       |
| PC0001 | G0090006  | PHOTO COUPLER    | PC817           |       |      |      |       |
| PC0002 | G0090006  | PHOTO COUPLER    | PC817           |       |      |      |       |
| Q 0001 | G3090096  | TRIAC            | TM1041SL        |       |      |      |       |
| Q 0002 | G3810160  | FET              | 2SK1016         |       |      |      |       |
| Q 0003 | G3810160  | FET              | 2SK1016         |       |      |      |       |
| Q 0004 | G3337050  | TRANSISTOR       | 2SC3705         |       |      |      |       |
| R 0001 | J31379001 | FUSE RES.        | A53K10J 10      | 10    | 5W   |      |       |
| R 0002 | J01225102 | CARBON FILM RES. | RD16PJ102       | 1K    | 1/6W |      |       |
| R 0003 | J22335101 | METAL FILM RES.  | ERG-2SJ101      | 100   | 2W   |      |       |
| R 0004 | J01275104 | CARBON FILM RES. | RD12TJ104       | 100K  | 1/2W |      |       |
| R 0005 | J01275104 | CARBON FILM RES. | RD12TJ104       | 100K  | 1/2W |      |       |
| R 0006 | J22305104 | METAL FILM RES.  | RSU1-100K J     | 100K  | 1W   |      |       |
| R 0007 | J31379002 | CEMENT RES.      | MPC75-0.05 K    | 0.05  | 5W   |      |       |
| R 0008 | J22305100 | METAL FILM RES.  | ERG-1SJ100 10   | 10    | 1W   |      |       |
| R 0009 | J22335220 | METAL FILM RES.  | ERG-2SJ220      | 22    | 2W   |      |       |
| R 0010 | J22305100 | METAL FILM RES.  | ERG-1SJ100 10   | 10    | 1W   |      |       |
| R 0011 | J22335220 | METAL FILM RES.  | ERG-2SJ220      | 22    | 2W   |      |       |
| R 0012 | J01225220 | CARBON FILM RES. | RD16PJ220       | 22    | 1/6W |      |       |
| R 0013 | J01225153 | CARBON FILM RES. | RD16PJ153       | 15K   | 1/6W |      |       |
| R 0014 | J01225470 | CARBON FILM RES. | RD16PJ470       | 47    | 1/6W |      |       |
| R 0015 | J01225163 | CARBON FILM RES. | RD16PJ163       | 16K   | 1/6W |      |       |
| R 0016 | J01225203 | CARBON FILM RES. | RD16PJ203       | 20K   | 1/6W |      |       |
| R 0017 | J01225123 | CARBON FILM RES. | RD16PJ123       | 12K   | 1/6W |      |       |
| R 0018 | J01225102 | CARBON FILM RES. | RD16PJ102       | 1K    | 1/6W |      |       |
| R 0019 | J01225103 | CARBON FILM RES. | RD16PJ103       | 10K   | 1/6W |      |       |
| R 0020 | J01225152 | CARBON FILM RES. | RD16PJ152       | 1.5K  | 1/6W |      |       |
| R 0021 | J01225220 | CARBON FILM RES. | RD16PJ220       | 22    | 1/6W |      |       |
| R 0022 | J01225103 | CARBON FILM RES. | RD16PJ103       | 10K   | 1/6W |      |       |
| R 0030 | J22335479 | METAL FILM RES.  | ERX-2SJ4R7      | 4.7   | 2W   |      |       |
| R 0031 | J22335479 | METAL FILM RES.  | ERX-2SJ4R7      | 4.7   | 2W   |      |       |
| R 0032 | J22339007 | METAL FILM RES.  | ERG-2SJ471      | 470   | 2W   |      |       |
| R 0033 | J01225103 | CARBON FILM RES. | RD16PJ103       | 10K   | 1/6W |      |       |
| R 0034 | J01225102 | CARBON FILM RES. | RD16PJ102       | 1K    | 1/6W |      |       |
| R 0035 | J01225102 | CARBON FILM RES. | RD16PJ102       | 1K    | 1/6W |      |       |
| R 0036 | J01225103 | CARBON FILM RES. | RD16PJ103       | 10K   | 1/6W |      |       |
| R 0037 | J01225102 | CARBON FILM RES. | RD16PJ102       | 1K    | 1/6W |      |       |
| R 0038 | J01225104 | CARBON FILM RES. | RD16PJ104       | 100K  | 1/6W |      |       |
| R 0039 | J01225472 | CARBON FILM RES. | RD16PJ472       | 4.7K  | 1/6W |      |       |
| R 0040 | J01225911 | CARBON FILM RES. | RD16PJ911       | 910   | 1/6W |      |       |
| T 0001 | S8100202  | DRIVER TRANS.    | FL1804A         |       |      |      |       |
| T 0002 | S8100203  | CONVERTER TRANS. | FL1803A         |       |      |      |       |
| VR0001 | S8100207  | POT.             | EVN-38C-A00-B12 | 100   |      |      |       |
| VR0002 | S8100207  | POT.             | EVN-38C-A00-B12 | 100   |      |      |       |



# Mechanical Details

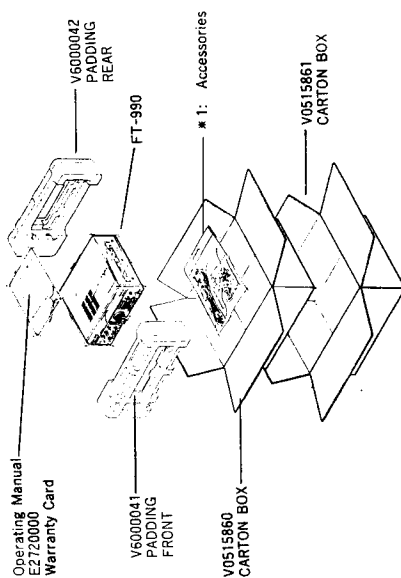
For Service Manuals Contact  
**MAURITRON TECHNICAL SERVICES**  
 8 Cherry Tree Rd, Chinnor  
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Note : Only numbered items can be supplied.

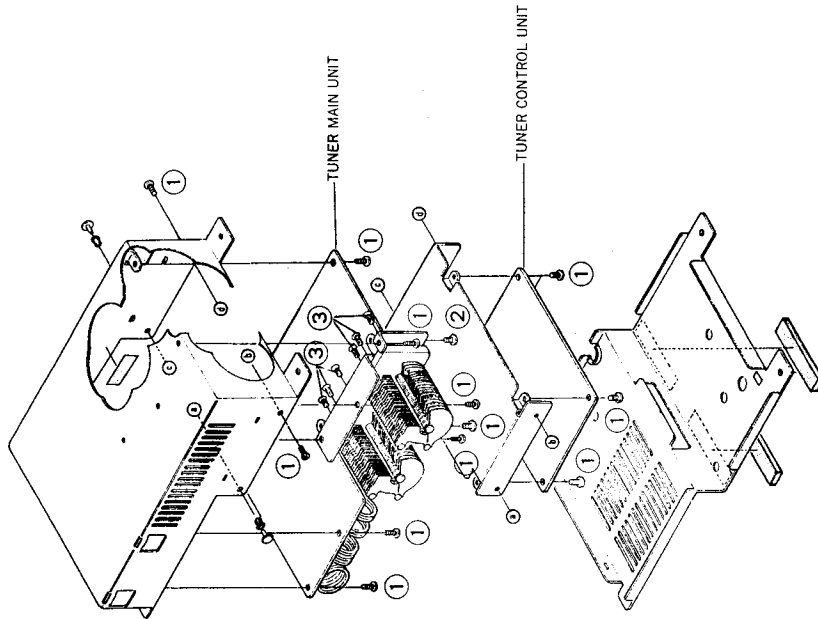
| SCREW LIST |           |                            |      |
|------------|-----------|----------------------------|------|
| Ref. No.   | YAESU P/N | Description                | Qty. |
| ①          | U20404007 | BINDING HEAD SCREW M4 X 4B | 16   |
| ②          | U31410007 | OVAL HEAD SCREW M4 X 10B   | 2    |
| ③          | U24305001 | TAPTITE SCREW M3 X 5       | 13   |
| ④          | U46308201 | TAPPING SCREW M3 X 8       | 4    |
| ⑤          | U22416007 | SEMS SCREW HM4 X 16B       | 2    |

## Packaging



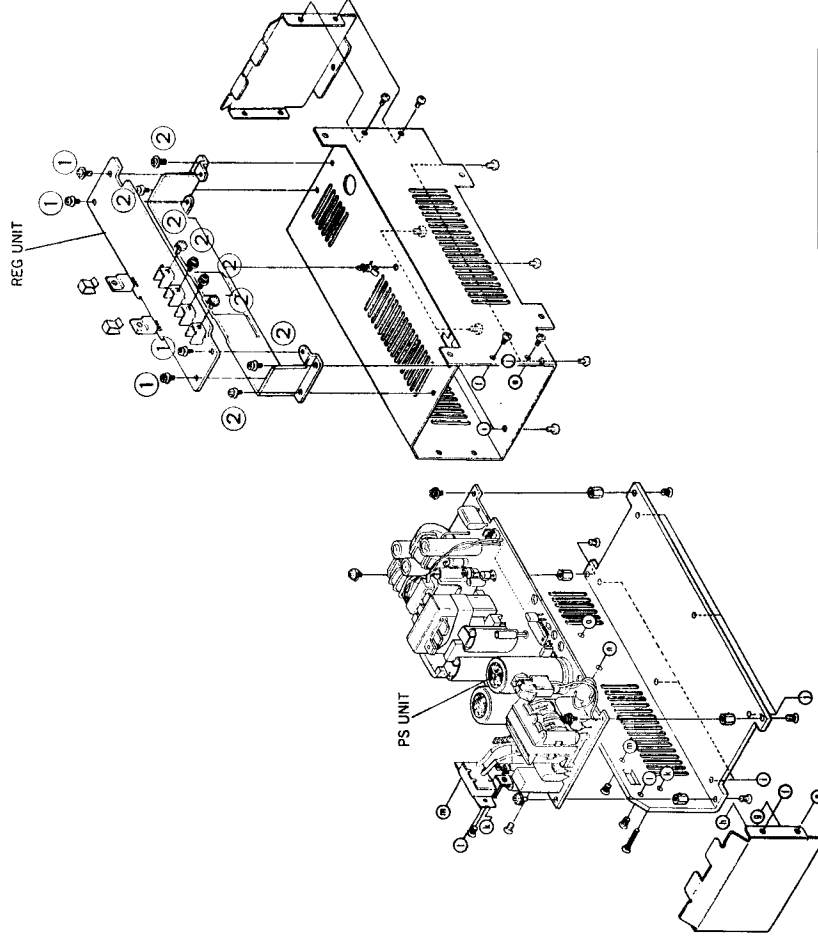
- \* 1: Accessories
- 1/2-inch, 3-contact Plug S-H3603 (P0090008)
  - 1/4-inch, 2-contact Plug C107 (P0090034)
  - RCA Plug T-1447 (P0090544)
  - 4-pin DIN Plug E4-701B-00 (P0090724)
  - 5-pin DIN Plug E5-701B-00 (P0090725)
  - 8-pin DIN Plug E8G-701B-00 (P0090816)
  - AC Cords
    - T9013280 117V 3W, 220V 2W
    - T9013282 117V 3W (UL)
    - T9013283 234V 3WP
    - T9013285 220V 3W (EU), 234V 3W (EU)
  - Fuses
    - Q0000006 4A VOL. 21, 22
    - Q0000039 8A VOL. 41, 43, 53, 54

Exploded View (Tuner Unit)



| SCREW LIST |             |                      |
|------------|-------------|----------------------|
| Ref No     | YAESU P / N | Description          |
| 1          | U24305001   | TAPTITE SCREW M3x5   |
| 2          | U24308001   | TAPTITE SCREW M3x8   |
| 3          | U30306001   | FLAT HEAD SCREW M3x6 |

Exploded View (PS Unit)



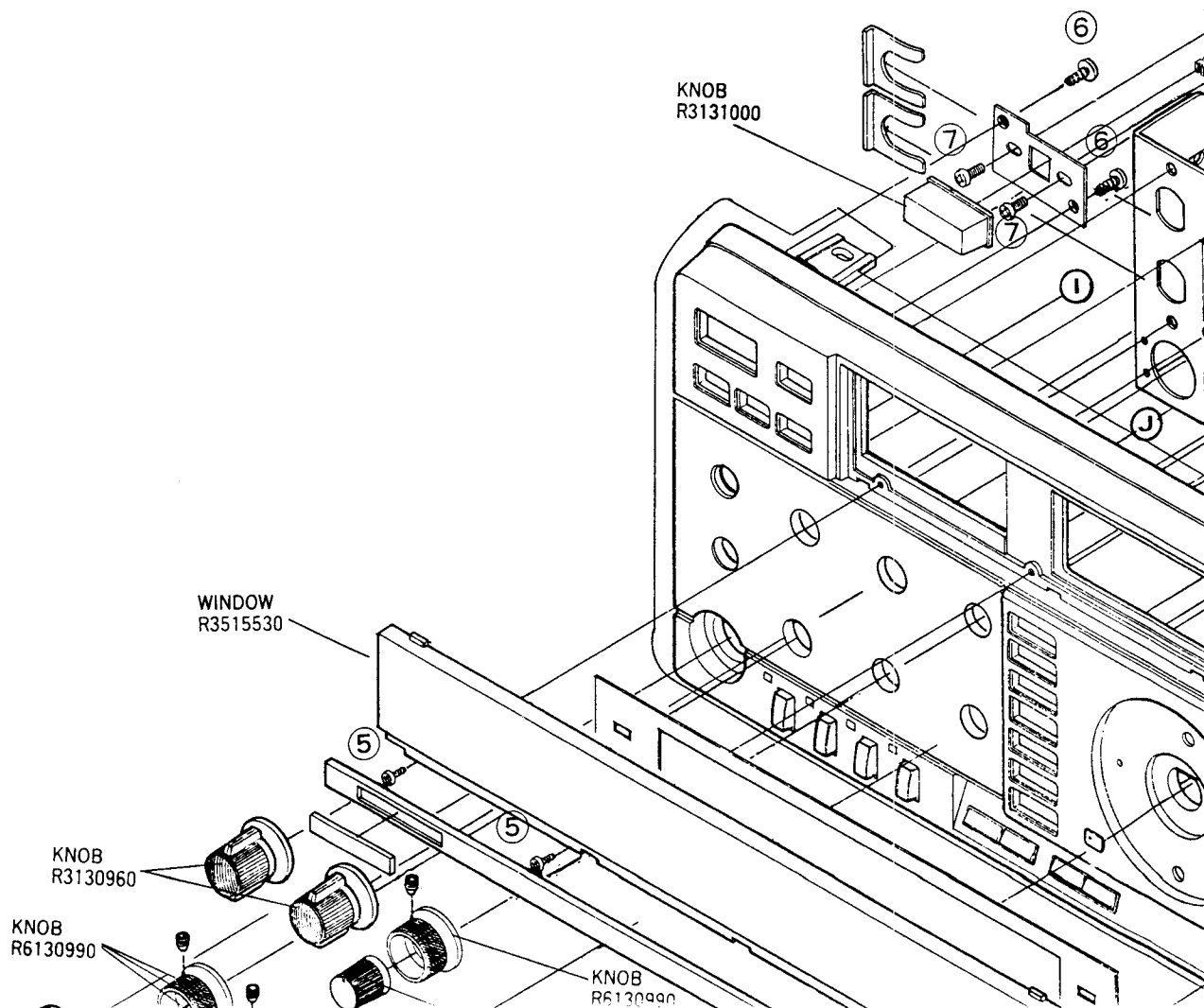
| SCREW LIST |             |                    |
|------------|-------------|--------------------|
| Ref No     | YAESU P / N | Description        |
| 1          | U24305001   | TAPTITE SCREW M3x5 |
| 2          | U03306001   | SEMS SCREW ASM3x6  |

Note : Only numbered items can be supplied.

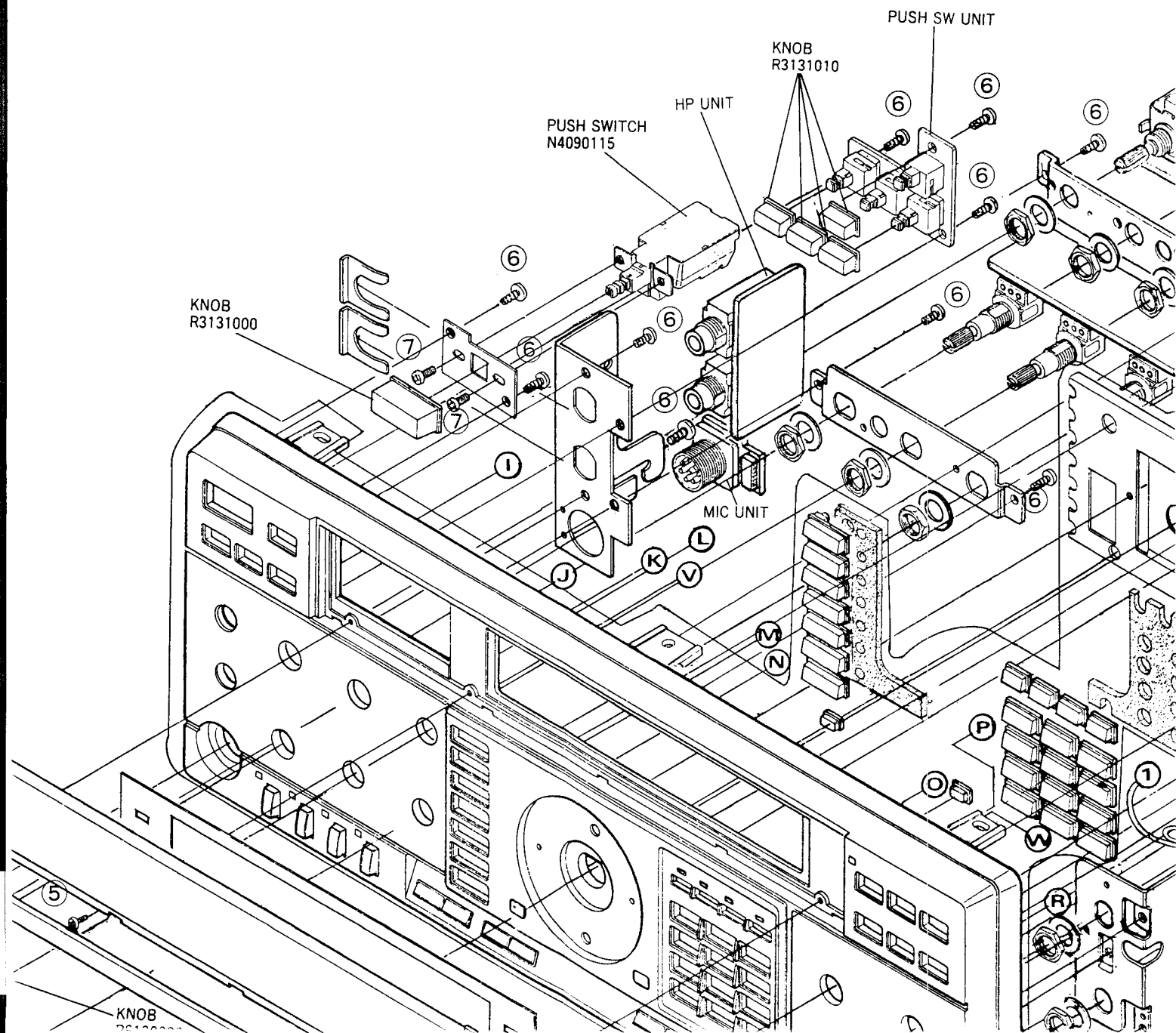
## Exploded View (Front Panel Assembly)

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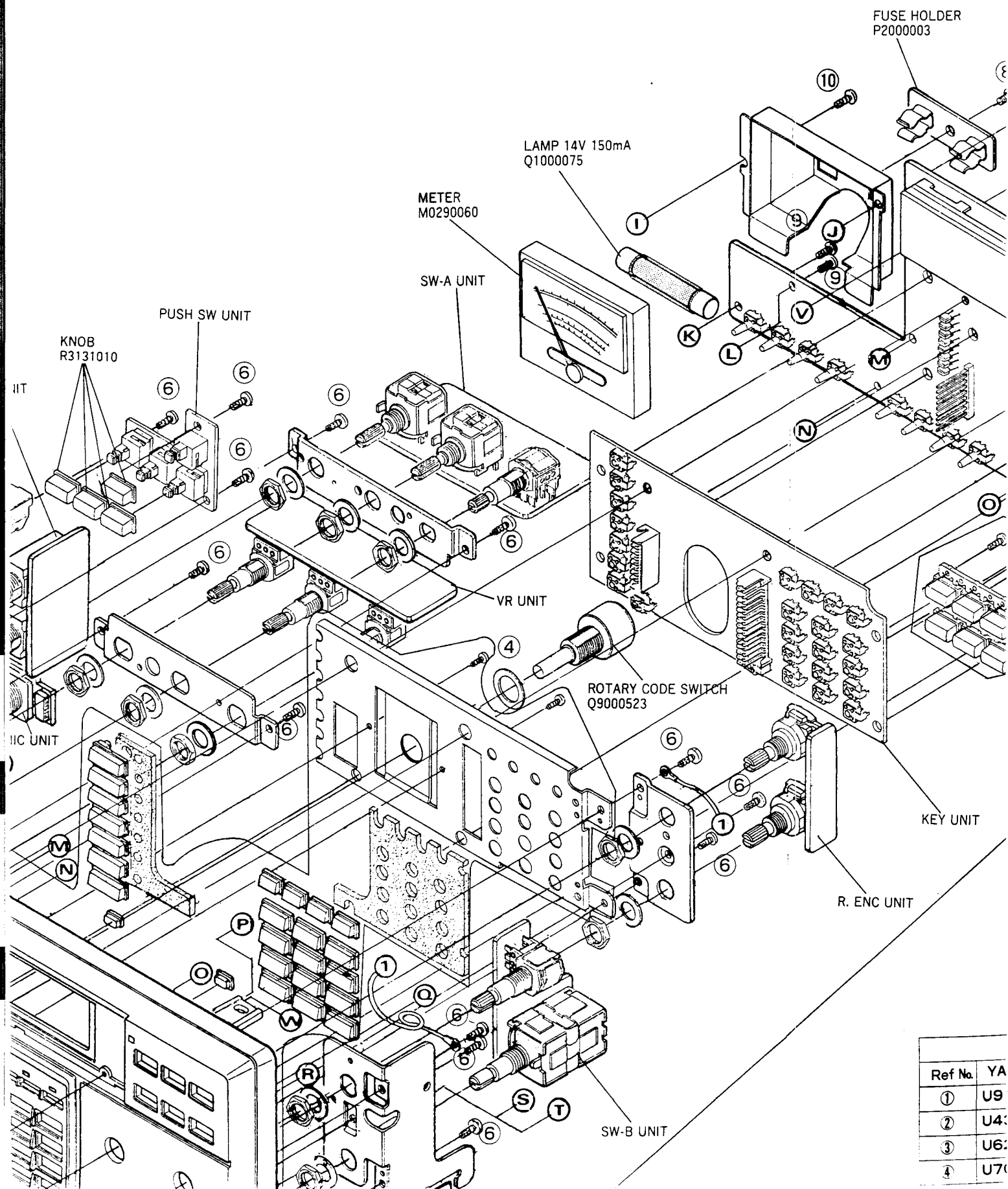
PUSH SW  
N4090115



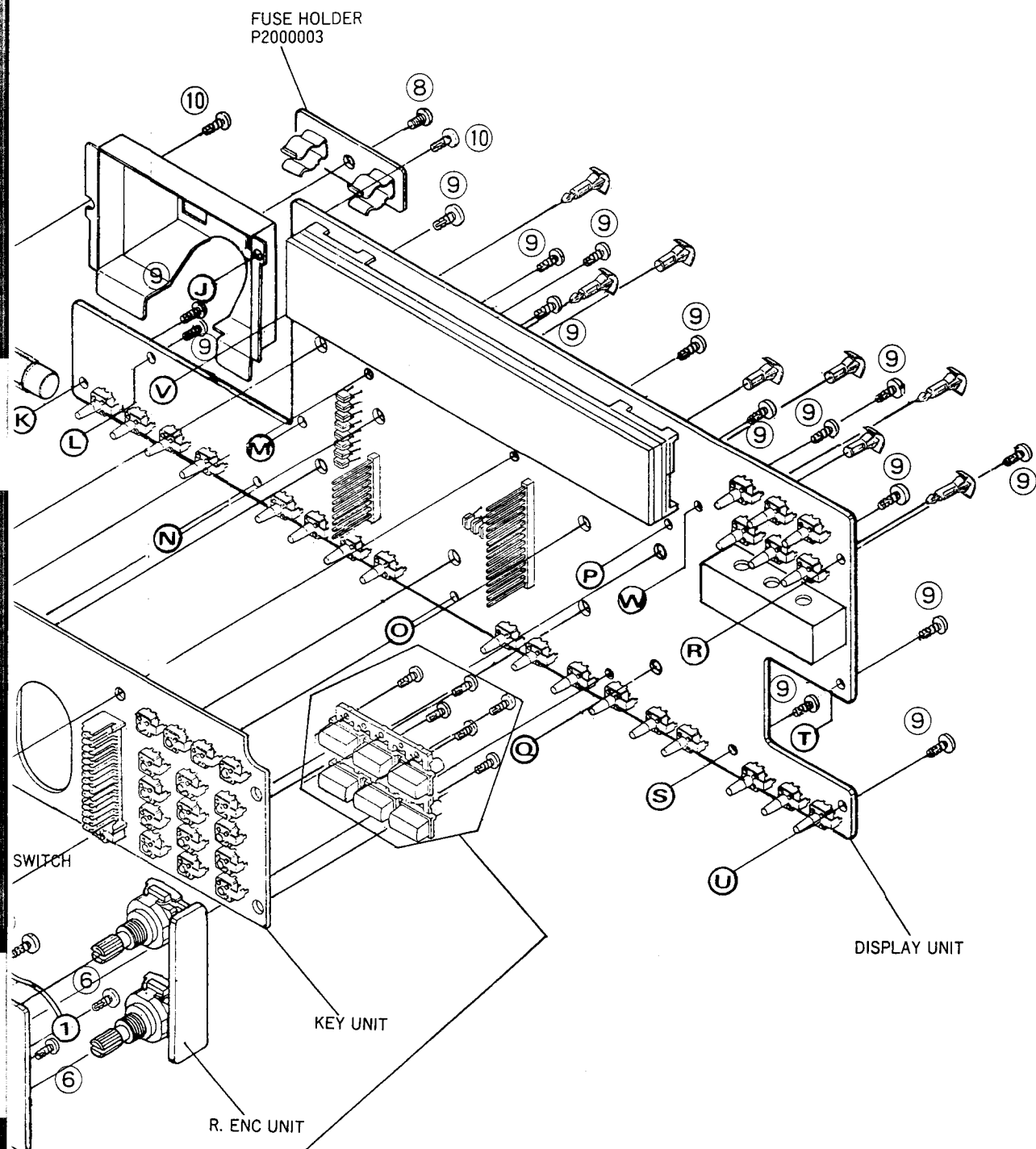
nel Assembly)



# Mechanical Details

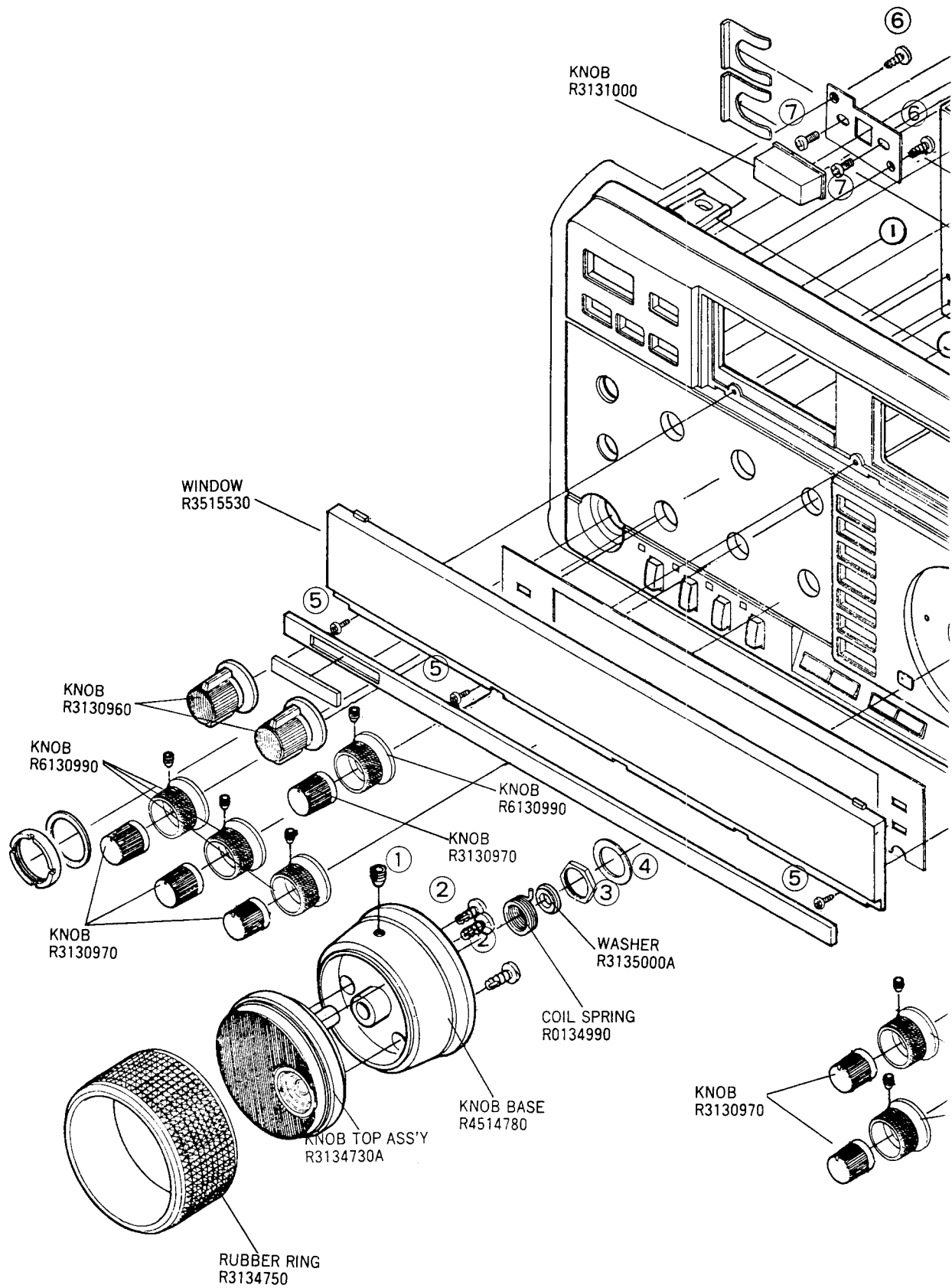


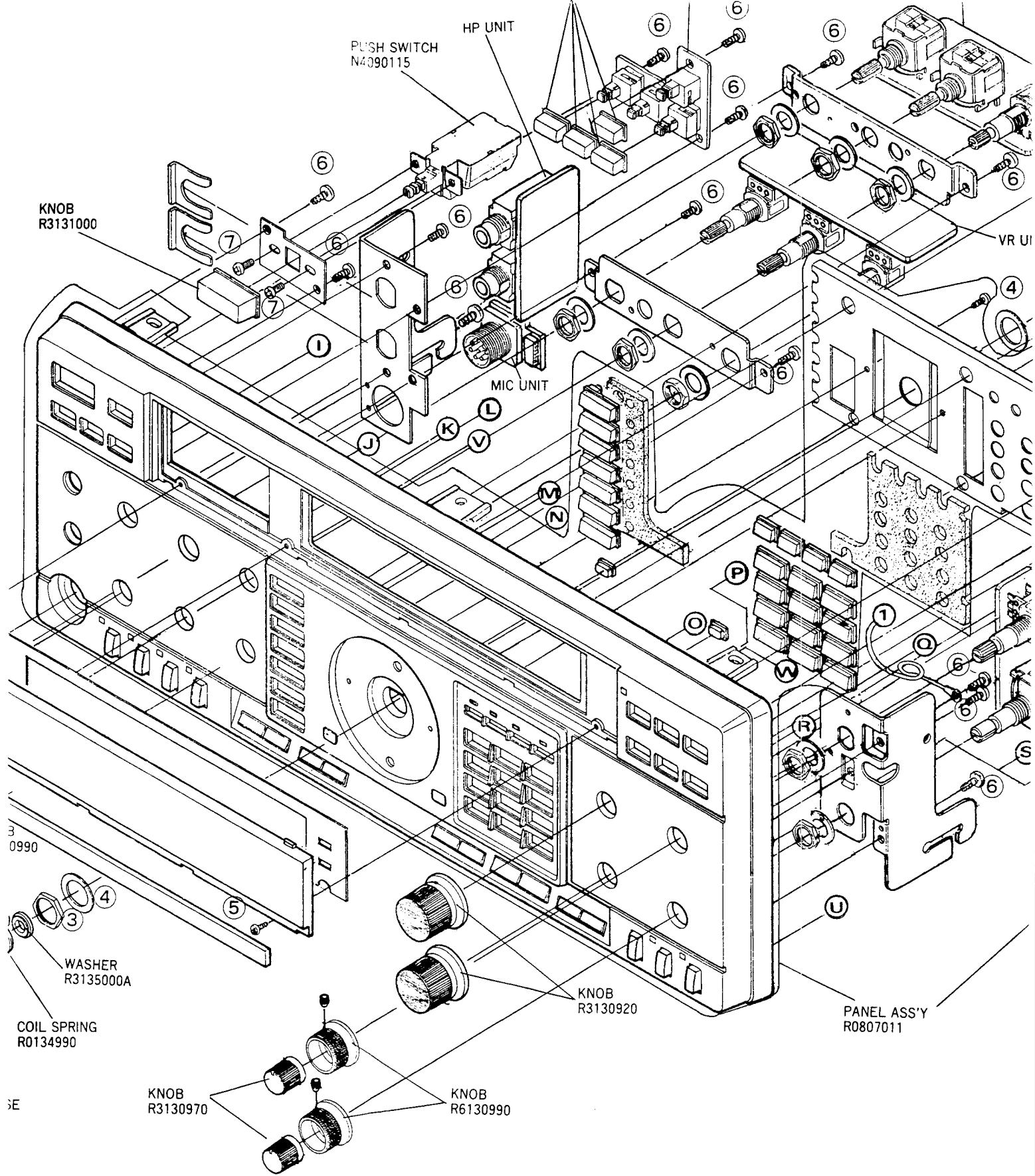
| Ref No. | YA  |
|---------|-----|
| ①       | U9  |
| ②       | U4: |
| ③       | U6: |
| ④       | U7: |



#### SCREW LIST

| Ref No. | YAESU P/N | Description                   | Qty. |
|---------|-----------|-------------------------------|------|
| ①       | U91406020 | HEX SOCKET SET SCREW M4×0.7×6 | 1    |
| ②       | U43310001 | TAPTITE SCREW M3×10           | 3    |
| ③       | U62012001 | VOLUME NUT M12×14×2           | 1    |
| ④       | U70012001 | PLAIN WASHER FW12             | 2    |
| ⑤       | U43106001 | TAPTITE SCREW M2×6            | 3    |





PUSH SWITCH  
N4090115

HP UNIT

KNOB  
R3131000

MIC UNIT

VR UI

3  
0990

WASHER  
R3135000A

COIL SPRING  
R0134990

5E

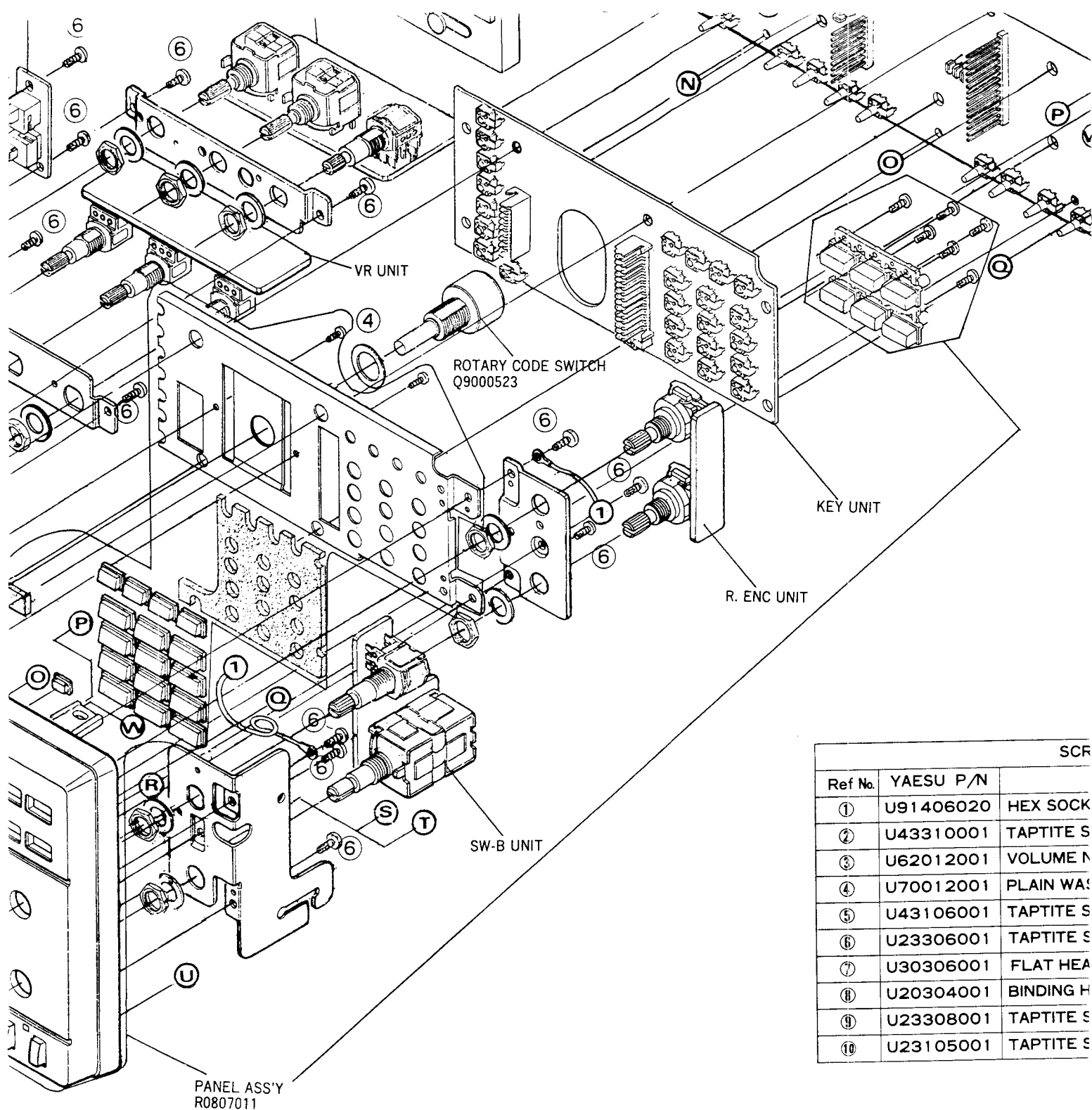
KNOB  
R3130970

KNOB  
R3130920

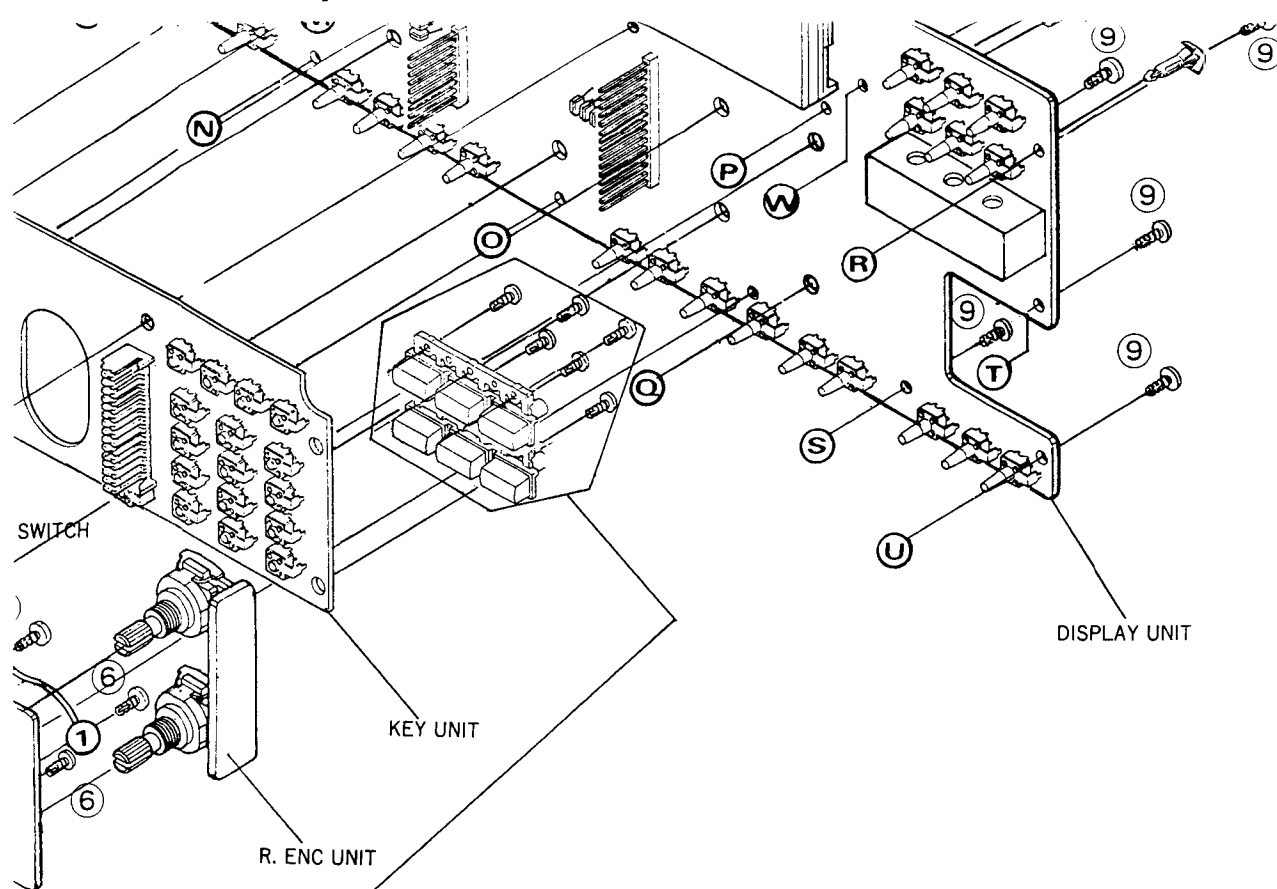
KNOB  
R6130990

PANEL ASS'Y  
R0807011





Note : Only numbered items can be supplied.



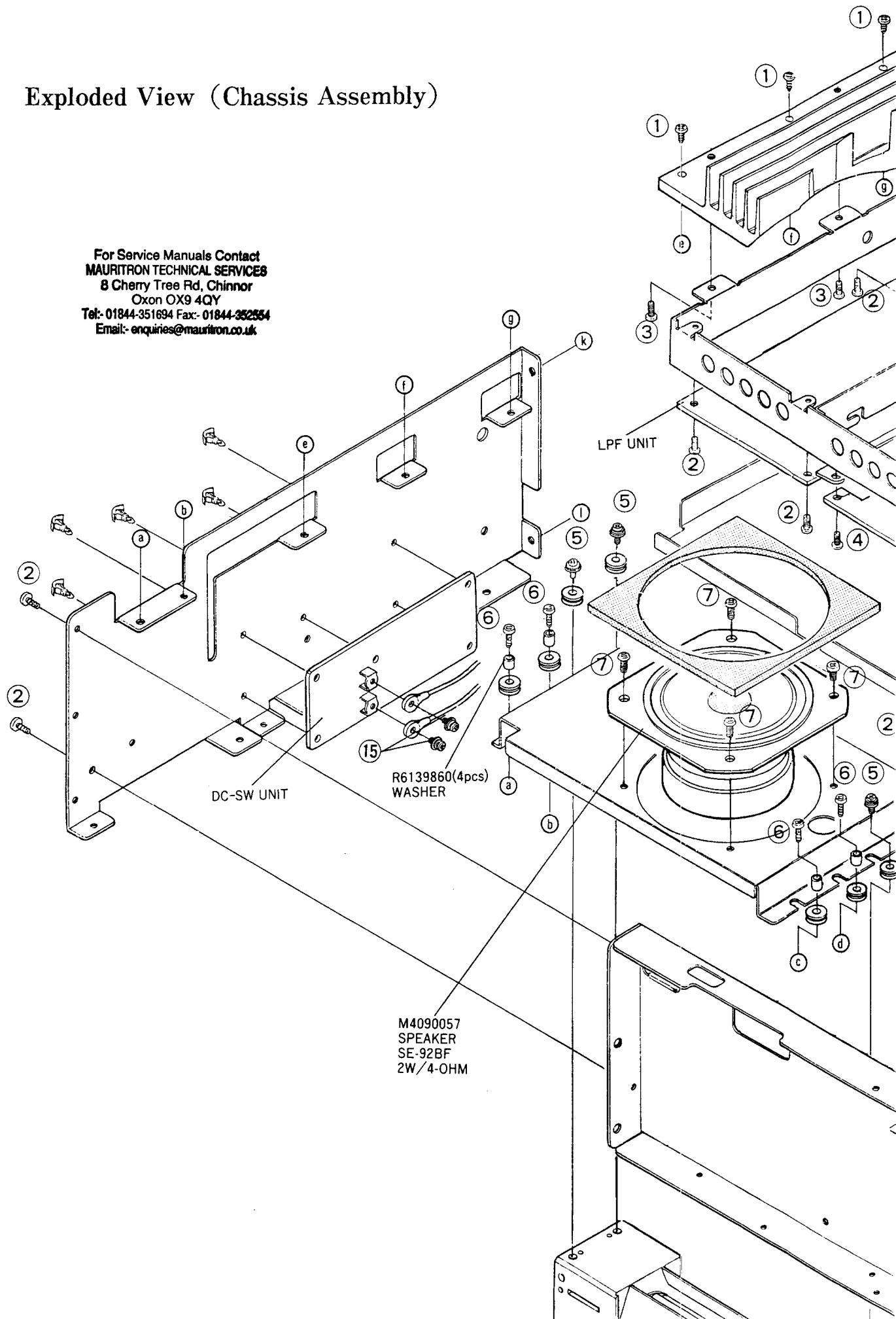
SCREW LIST

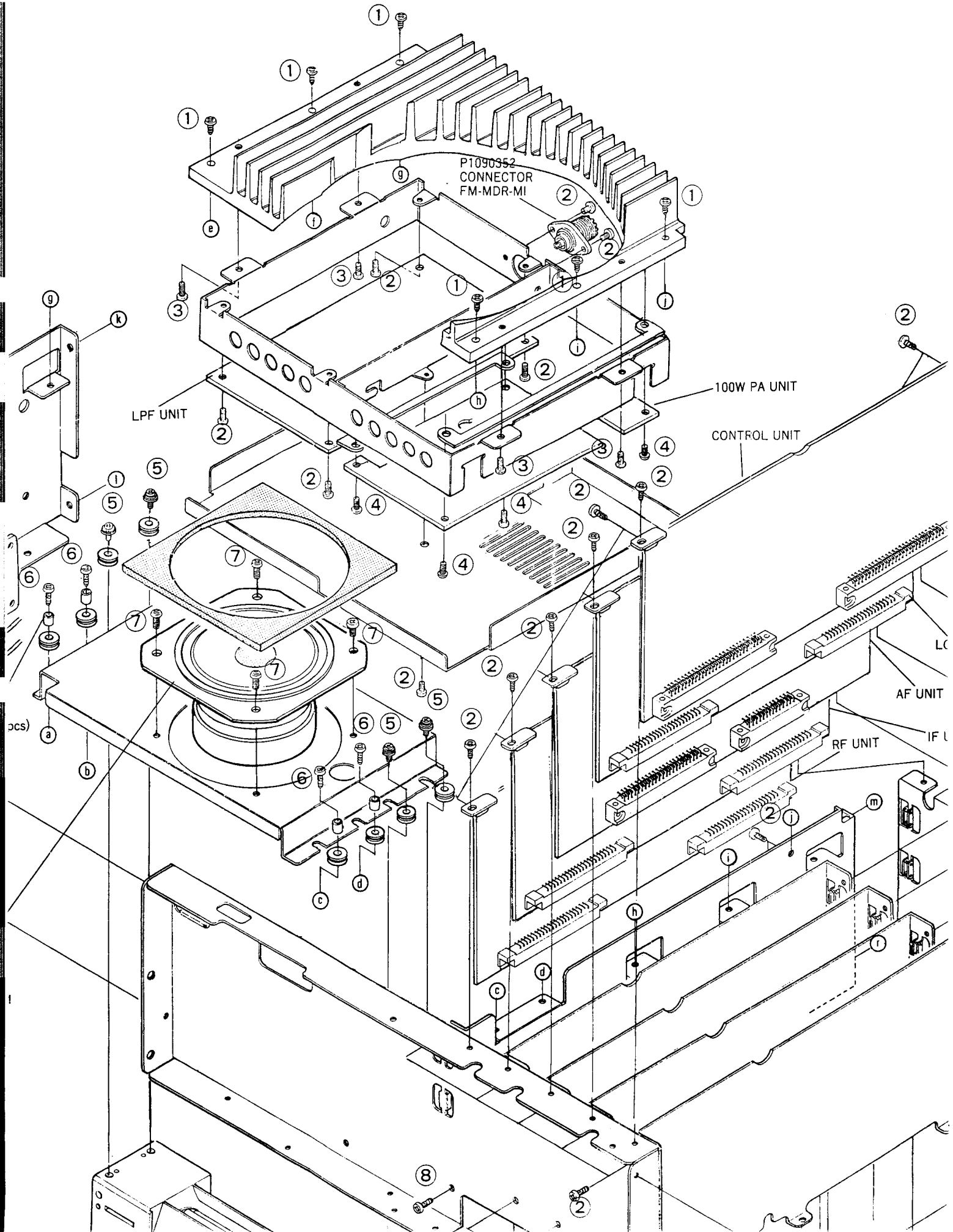
| Ref No. | YAESU P/N | Description                   | Qty. |
|---------|-----------|-------------------------------|------|
| ①       | U91406020 | HEX SOCKET SET SCREW M4×0.7×6 | 1    |
| ②       | U43310001 | TAPTITE SCREW M3×10           | 3    |
| ③       | U62012001 | VOLUME NUT M12×14×2           | 1    |
| ④       | U70012001 | PLAIN WASHER FW12             | 2    |
| ⑤       | U43106001 | TAPTITE SCREW M2×6            | 3    |
| ⑥       | U23306001 | TAPTITE SCREW M3×6            | 17   |
| ⑦       | U30306001 | FLAT HEAD SCREW M3×6          | 2    |
| ⑧       | U20304001 | BINDING HEAD SCREW M3×4       | 1    |
| ⑨       | U23308001 | TAPTITE SCREW M3×8            | 15   |
| ⑩       | U23105001 | TAPTITE SCREW M2×5            | 2    |

y numbered items can be supplied.

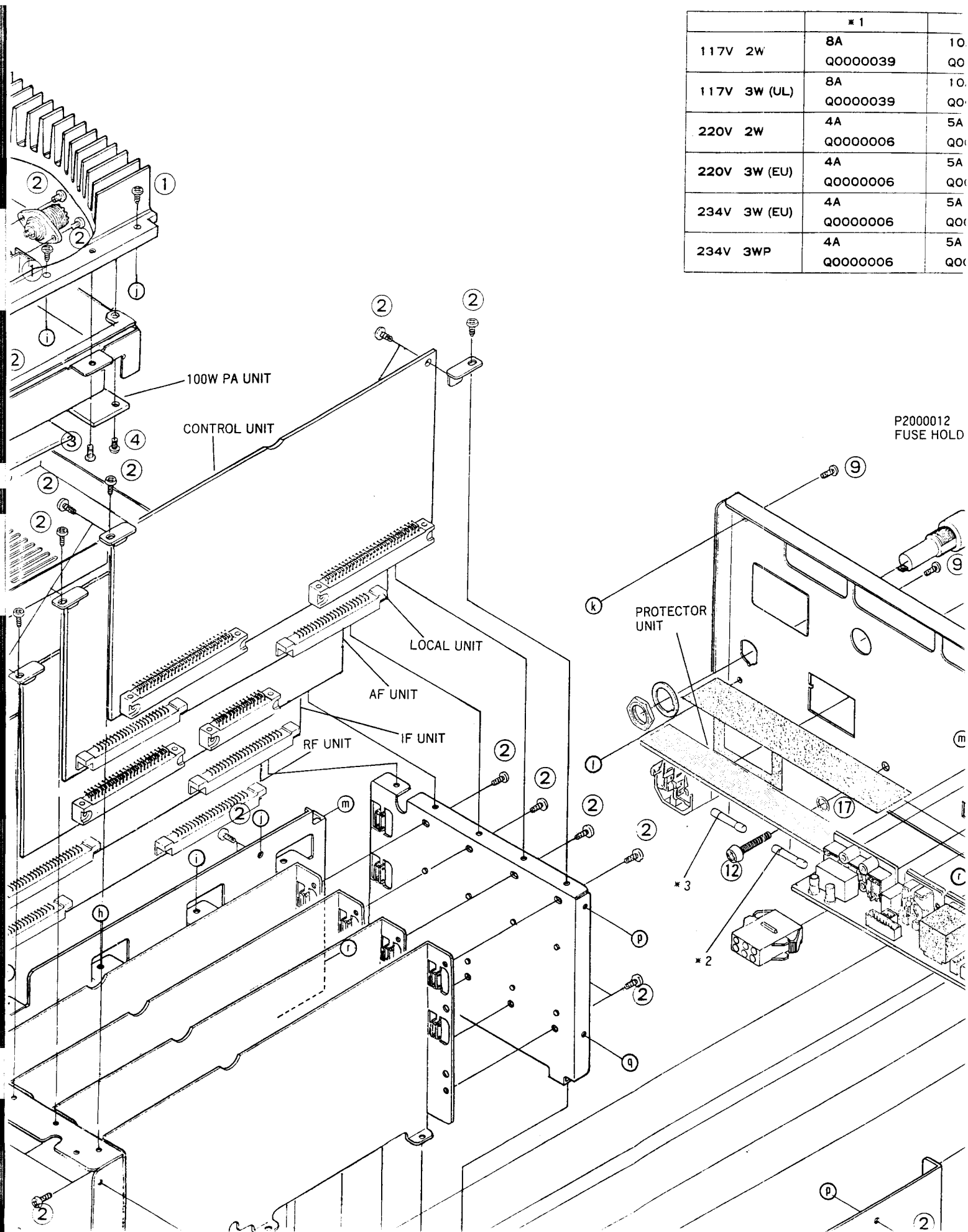
## Exploded View (Chassis Assembly)

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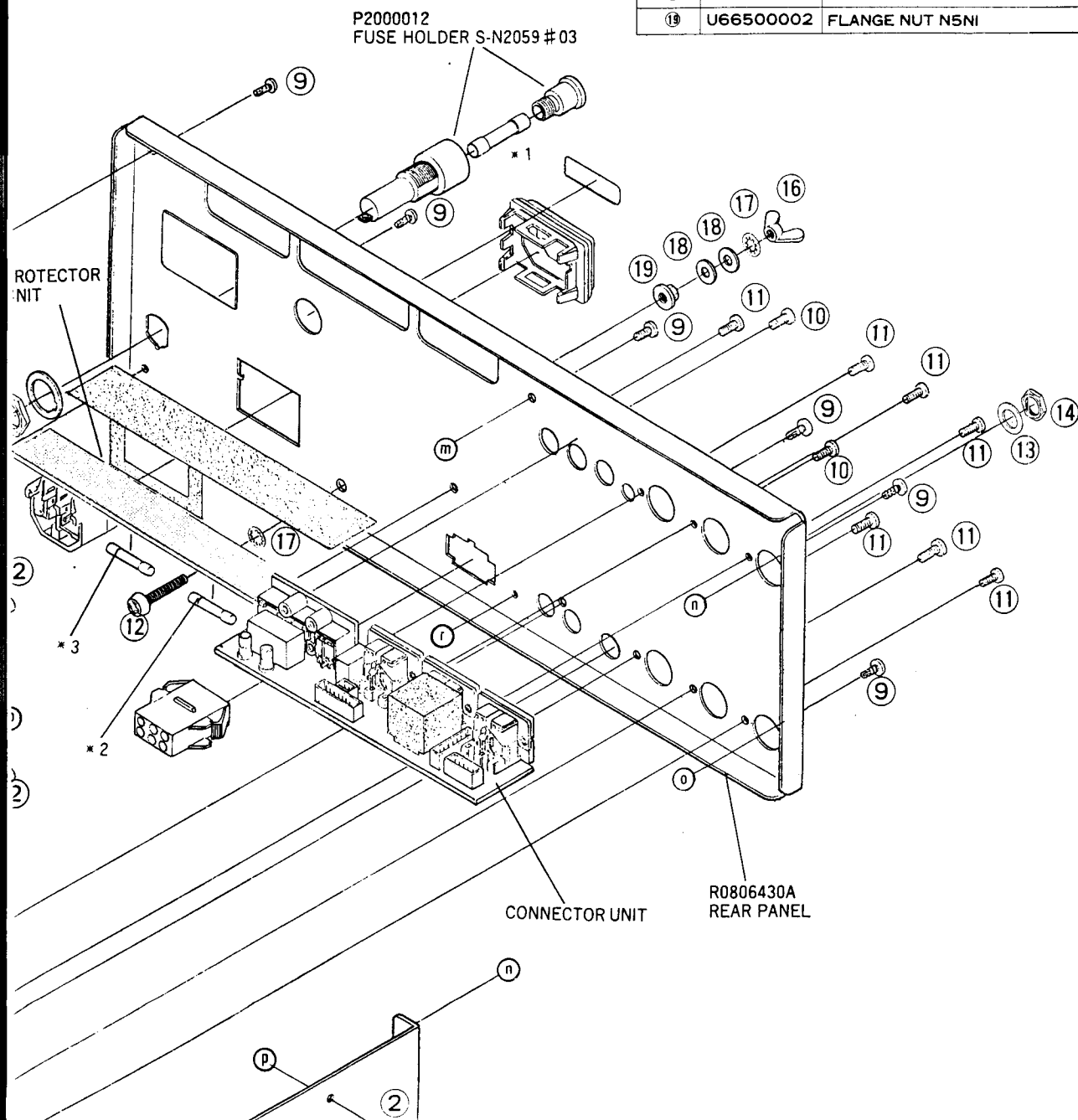
# Mechanical Details

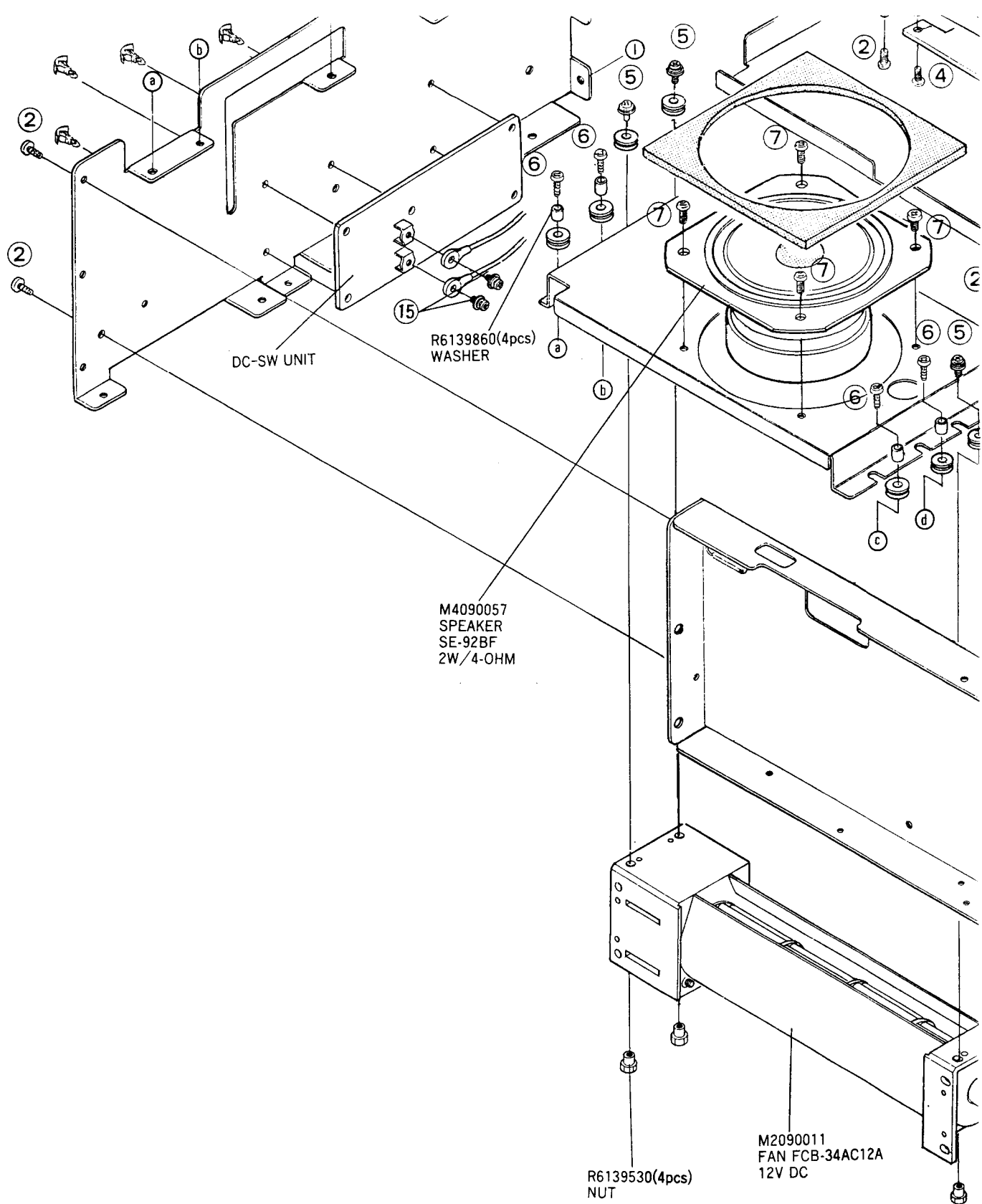


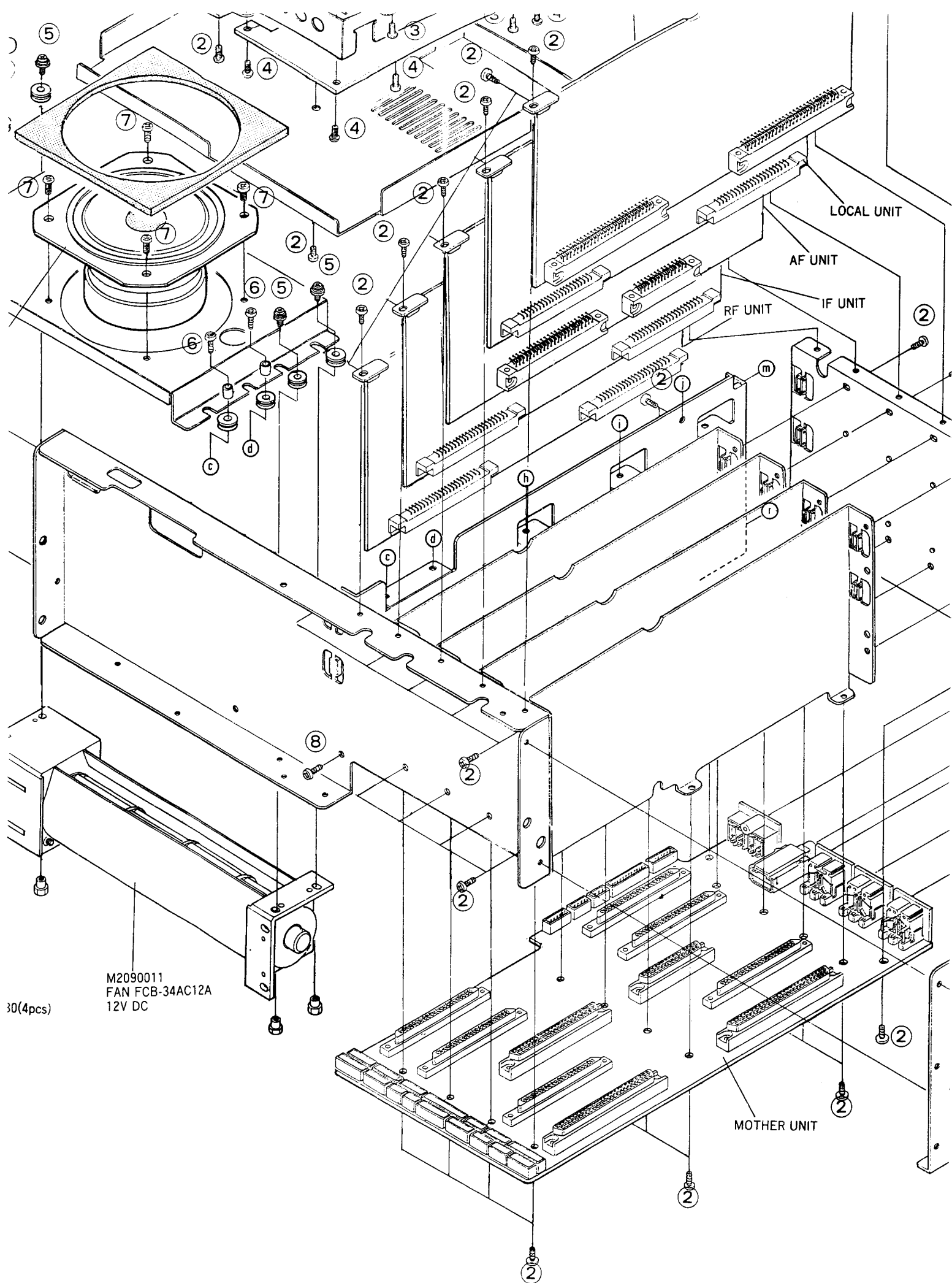
|              | * 1            |          |
|--------------|----------------|----------|
| 117V 2W      | 8A<br>Q0000039 | 10<br>Q0 |
| 117V 3W (UL) | 8A<br>Q0000039 | 10<br>Q0 |
| 220V 2W      | 4A<br>Q0000006 | 5A<br>Q0 |
| 220V 3W (EU) | 4A<br>Q0000006 | 5A<br>Q0 |
| 234V 3W (EU) | 4A<br>Q0000006 | 5A<br>Q0 |
| 234V 3WP     | 4A<br>Q0000006 | 5A<br>Q0 |

|              | * 1            | * 2, 3                | VOL. |
|--------------|----------------|-----------------------|------|
| 117V 2W      | 8A<br>Q0000039 | 10A MF-51<br>Q0000041 | 21   |
| 117V 3W (UL) | 8A<br>Q0000039 | 10A MF-51<br>Q0000041 | 22   |
| 220V 2W      | 4A<br>Q0000006 | 5A MF-51<br>Q0000027  | 41   |
| 220V 3W (EU) | 4A<br>Q0000006 | 5A MF-51<br>Q0000027  | 43   |
| 234V 3W (EU) | 4A<br>Q0000006 | 5A MF-51<br>Q0000027  | 53   |
| 234V 3WP     | 4A<br>Q0000006 | 5A MF-51<br>Q0000027  | 54   |

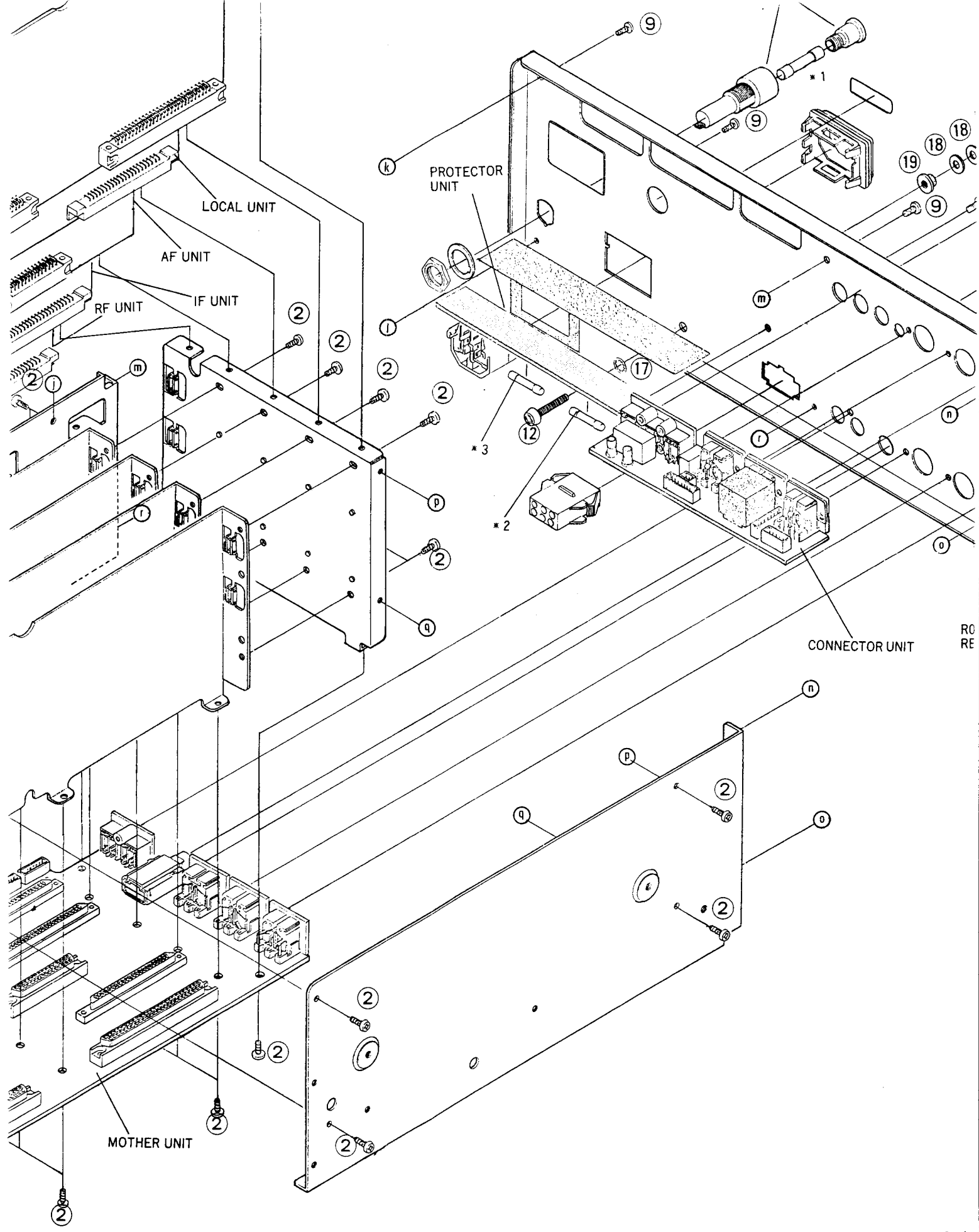
| SCREW LIST |           |                           |      |
|------------|-----------|---------------------------|------|
| Ref No.    | YAESU P/N | Description               | Qty. |
| ①          | U24310001 | TAPTITE SCREW M3×10       | 6    |
| ②          | U24305001 | TAPTITE SCREW M3×5        | 65   |
| ③          | U30308001 | BINDING HEAD SCREW M3×6   | 4    |
| ④          | U20308001 | BINDING HEAD SCREW M3×8   | 4    |
| ⑤          | U04206001 | SEMS SCREW HSM2.6×6       | 4    |
| ⑥          | U24308001 | TAPTITE SCREW M3×8        | 4    |
| ⑦          | U20306001 | FLAT HEAD SCREW M3×8      | 4    |
| ⑧          | U40304201 | TAPPING SCREW 3×4         | 1    |
| ⑨          | U24305007 | TAPTITE SCREW M3×5B       | 6    |
| ⑩          | U23308007 | TAPTITE SCREW M3×8B       | 2    |
| ⑪          | U00308007 | PAN HEAD SCREW M3×8B      | 7    |
| ⑫          | U00520002 | PAN HEAD SCREW M5×20NI    | 1    |
| ⑬          | U70012001 | PLAIN WASHER FW12         | 1    |
| ⑭          | U62012001 | VOLUME NUT 12×14×2        | 1    |
| ⑮          | U03306001 | SEMS SCREW ASM3×6         | 2    |
| ⑯          | U65500102 | WING NUT NSNI             | 1    |
| ⑰          | U73005002 | TOOTHED LOCK WASHER IW5NI | 2    |
| ⑱          | U70005002 | PLAIN WASHER FW5NI        | 2    |
| ⑲          | U66500002 | FLANGE NUT NSNI           | 1    |











RO  
RE

Note : Only

