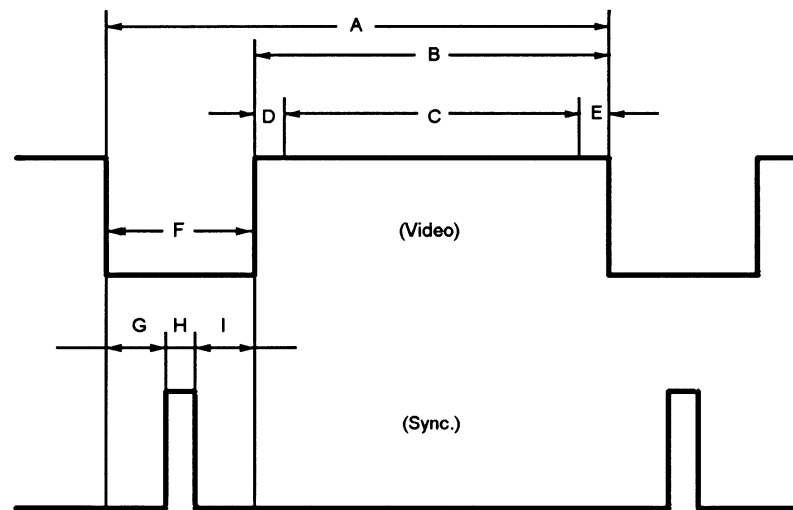


A. SPECIFICATIONS:

1. SCREEN 17" F□S, 0.27mm, Antistatic coating.
2. POWER SOURCE 120V 60Hz
220V 50Hz
3. POWER CONSUMPTION 130W (max.)
4. INPUT SIGNAL
VIDEO Analog R. G. B. : 0.7Vpp (positive)
SYNC TTL level, H, V separate, composit sync, positive or negative polarity.
5. INTERFACE 15 Pin D type connector
6. RESOLUTION 1280 X 1024 pixels (Non-interlace)
7. RECOMMENDED TIMING CHART



Item	Description:
A	Total time
B	Active display area including borders
C	Active display area excluding borders
D	Left/Top border
E	Right/bottom border
F	Blanking time
G	Frontporch
H	Sync-width
I	Backporch

Mode No.		VGA	VESA 46.9K	VESA 53.6K	VESA 60K	VESA 68.6K	VESA 64K
H-Resolution	[px]	720	800	800	1024	1024	1280
V-Resolution	[Lines]	400	600	600	768	768	1024
Pixelclock	[MHz]	28.322	49.500	56.250	78.750	94.500	108.000
H-Frequency	[kHz]	31.468	46.875	53.674	60.023	68.677	63.981
V-Frequency	[Hz]	70.080	75.000	85.061	75.029	84.997	60.020
Interlace		NONE	NONE	NONE	NONE	NONE	NONE
H-Sync-polarity		-	+	+	+	+	+
V-Sync-polarity		+	+	+	+	+	+
H-total	[us]	31.778	21.333	18.631	16.660	14.561	15.630
H-active display	[us]	25.422	16.162	14.222	13.003	10.836	11.852
H-active w/o border	[us]	25.422	16.162	14.222	13.003	10.836	11.852
H-left border	[us]	0	0	0	0	0	0
H-right border	[us]	0	0	0	0	0	0
H-blanking	[us]	6.356	5.172	4.409	3.657	3.725	3.778
H-Frontporch	[us]	0.636	0.323	0.569	0.203	0.508	0.444
H-Sync-width	[us]	3.813	1.616	1.138	1.219	1.016	1037
H-Backporch	[us]	1.907	3.232	2.702	2.235	2.201	2.296
V-total	[ms]	14.268	13.333	11.756	13.328	11.765	16.661
	[Lines]	449	625	631	800	808	1066
V-active display	[ms]	13.156	12.800	11.179	12.795	11.183	16.005
	[Lines]	414	600	600	768	768	1024
V-active w/o border	[ms]	13.156	12.800	11.179	12.795	11.183	16.005
	[Lines]	414	600	600	768	768	1024
V-top border	[ms]	0	0	0	0	0	0
	[Lines]	0	0	0	0	0	0
V-bottom border	[ms]	0	0	0	0	0	0
	[Lines]	0	0	0	0	0	0
V-blanking	[ms]	1.112	0.533	0.578	0.533	0.582	0.656
	[Lines]	35	25	31	32	40	42
V-Frontporch	[ms]	0.159	0.021	0.019	0.017	0.015	0.016
	[Lines]	5	1	1	1	1	1
V-Sync-width	[ms]	0.064	0.064	0.056	0.050	0.044	0.047
	[Lines]	2	3	3	3	3	3
V-Backporch	[ms]	0.889	0.448	0.503	0.466	0.524	0.594
	[Lines]	28	21	27	28	36	38

8. DISPLAY SIZE

H: 300 ± 5 mm

V: 225 ± 5 mm

9. OPERATION TEMPERATURE

0-40 degree C

10. DIMENSION

	Without Packaging	Including Packaging
Width	414 mm	530 mm
Height	410 mm	555 mm
Depth	458 mm	565 mm

11. WEIGHT

Net : 16.4 Kgs

Gross: 19.4 Kgs

B. IMPORTANT SAFETY INSTRUCTION

Prior to using this manual, please ensure that you have carefully followed all the procedures outlined in the user's manual for product.

1. Read all of these instructions.
2. Save these instructions for later use.
3. Follow all warnings and instructions marked on the product.
4. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
5. Do not use this product near water.
6. Do not place this product on an unstable car, stand or table. The product may fall, causing serious damage to the product.
7. Slots and openings in the cabinet and the back or bottom are provided for ventilation; to ensure reliable operation of the product and to protect it from overheating, those openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation unless proper ventilation is provided.
8. This product should be operated from the type of power source indicated on the marketing label. If you are not sure of the type of power available, consult your dealer or local power company.
9. This product is equipped with a 3-wire grounding type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the purpose of the grounding-type plug.
10. Do not allow anything to rest on the power cord. Do not locate this product where persons will walk on the cord.
11. If an extension cord is used with this product, make sure that the total of the ampere ratings on the products plugged into the extension cord do not exceed the extension cord ampere rating. Also, make sure that the total of all products plugged into the wall outlet does not exceed 15 amperes.
12. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock. Never spill liquid of any kind on the product.
13. Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks.
Refer all servicing to service personnel.
14. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - A. When the power cord or plug is damaged or frayed.
 - B. If liquid has been spilled into the product.
 - C. If the product has been exposed to rain or water.
 - D. If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions since improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
 - E. If the product has been dropped or the cabinet has been damaged.
 - F. If the product exhibits a distinct change in performance, indicating a need for service.

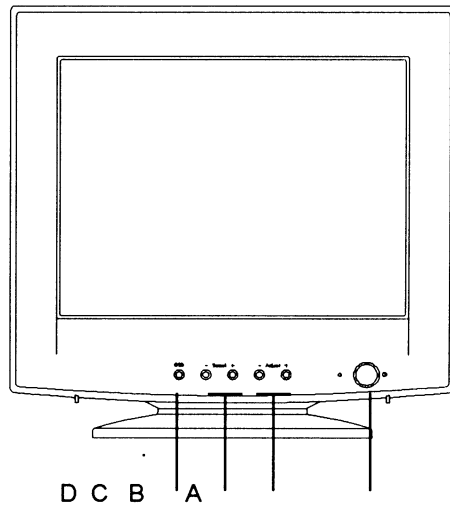
C. On-Screen Display Controls

A. Power Switch

B. - Adjust +

C. - Select +

D. OSD



C-1

D. CIRCUIT DESCRIPTION

1. Power circuit

The power circuit includes the start up, mode control operation, and OCP circuit. Please refer to the circuit diagram.

a) Start up circuit

The R908 and R909 provide the start up current of I901.

The turn-on and turn off thresholds of under-voltage lockout circuit in I901 are fixed internally at 15V and 10V respectively.

At start-up, C911 must be charged to 15V with a current no less than .55mA.

b) Current-mode control operation

As B+ of I901 (Pin 3) more than 15V, it has square waveform on the totem-pole output which can be operated to +/- 1 Amp peak for driving the gate of MOSFET (Pin1) to directly drive the converter transformer. The current sensing resistor C914 senses the primary current waveform for current-mode PWM control and total output power limit.

c) OCP

As mentioned above the current sensing resistor C914 can limit the total power output. The voltage level of auxiliary power winding will drop with the secondary load increment. The auxiliary power voltage will be too low to drive the I901 at heavy overload output condition. Then the I901 will be shut down after start up repeatedly.

d) LED Indicator CKT

When it's power on micon. control Q002 provide voltage 5V which make green LED on □ When it's without H-syn or V-syn pulsing, micon control Q001 make amber LED on, at this moment LED will become yellow □ When it's without H-syn and V-syn pulsing micon control Q001 make LED amber.

e) Degauss CKT

Micon control Q902 and RL901 on make current pass by POR901 and ADG coil is degaussing achieved.

2. Horizontal circuit

a) Horizontal first stage circuit

The main function of this stage have horizontal synchronization, free-running oscillation, AFC and horizontal-phase adjustment.

a-1 Free-running oscillation.

Free-running oscillation is handled by the voltage decided by pin 7 of I601.

a-2 Horizontal synchronization.

If input a sync pulse to Pin 1 of I601 synchronization is achieved.

a-3 Horizontal-phase adjustment

The I601 I²C also has the horizontal-phase adjustment function.

b) Side-pin and H-size control circuit

Parabola signal from pin 24 of I601 to I701 is the side-pin control CKT. I701, Q717, Q718, Q719 complete the H-size adjusting.

c) Horizontal pre-driver circuit and driver circuit

The main function of these stage is to supply enough energy to horizontal output circuit. Q703 are pre-driver circuit. T701 is driver circuit.

d) Horizontal output stage circuit

Horizontal output stage circuit belongs to diode modulation type. Q704, D702, D708 C718, C719, T701, T702, C727 are main parts of this circuit.

e) Horizontal B+ step up circuit

In order to keep the same high voltage of CRT and horizontal raster size, it must supply different B+ voltage according to different horizontal frequency. B+ voltage is positively proportional to the horizontal frequency. And the horizontal B+ step up circuit has this function. I601, Q710, Q715, Q716, D711, L701 and C744 are main parts of this circuit.

f) Spot killer circuit

It have very bright line or dot on the CRT screen when power turns off instantaneously, The spot killer circuit can avoid this defect. The main parts of this circuit are C738, Q711, D733, D741, ZD704, ZD705.

g) X-ray protection circuit

It will emit x-ray and it will be harmful to human body when anode voltage of CRT is too high, The x-ray protection circuit can shut down the horizontal pulse to avoid x-ray emission. ZD702, D718, R784, R785, C743 are main parts of this circuit.

h) Blanking circuit Q600 for Vert.

i) Vertical focus & Horizontal focus circuit

The I601TDA9109 delivers a horizontal parabola which is added on a vertical parabola waveform on pin 10, at I601 pin 10 output  Parabola wave, to Q503 inverter at Q501, Q502 cascades amplifier and Q500 inverter

Voltage AMP, connect to G4 by through FBT pin 14 (TP). The Q500 is a basic Voltage magnifier, being B+ (at some 560V) provide after FBT pin 2 is duly rectified.

3. Vertical circuit

The vertical circuit includes pre-driver circuit, output circuit and vertical-size preset circuit, and vertical f to v circuit.

a) Vertical pre-driver circuit

- * The function of pre-driver circuit have synchronization, free-running oscillation and sawtooth pulse producer.
- * When input a vertical sync signal to pin 2 of I601 synchronization is achieved. by I601's internal circuit.
- * The internal circuit of I601 also has the sawtooth pulse generator.

b) Vertical output circuit and vertical-size preset circuit

- * I602 is a vertical output IC. It implements the current amplifier function.
- * I601 to pass through I²C Bus to control, V-size, V-position, Pincushion, parallelogram, Side-pin, Balance.

4. Video circuit

The video circuit three major portions

a) Video pre-Amp

I201 MM1382 may control video pre-Amp by means of micro circuit.

b) Video amplifier circuit

I201 used as a pre-AMP which include contrast control, and clamp function. Q202+Q203, Q232+Q233, Q262+Q263 are final-AMP.

c) VR225, VR255, VR285 are bias control.

d) Q296, Q236, Q266 are individual buffer transistors for signal of OSD R.G.B. blanking.

5. OSD CIRCUIT

I102 OSD5259-1 can excite full screen display automatically.

Pin 1,2,3,4: is analog keep Pin 5 : H-I/P; Pin 7,8: SDA, SCL from C.P.U Pin 9: digital power supply; Pin 10: V I/P While OSD output Pin 12 Hi Pin 13, 14, 15: OSD RGB O/P Pin 16: Ground Pin 6: must be floating.

6. MICRO CIRCUIT

A short description of the key related IC's is given below.

a) Short description of the key related IC's is given below.

THIS FEATURES OF WT6016 MCU

8 bits 6502 compatible MCU, 4MHz operation frequency

16384 bytes ROM, 288 bytes SRAM

8 MHz crystal oscillator

14 channels 8-bit/62.5KHz PWM outputs (8 open drain output & 6 CMOS output)

Sync signal process with H+V separation, frequency calculation H/V polarity detection/control

Three free-running signal outputs for burn-in test (64KHz/62.5Hz, 48KHz/75Hz, 31KHz/60Hz)

Self-test pattern generator generates cross hatch picture

DDC interface supports VESA DDC1/DDC2B standard

Master/Slaver IIC interface

Watch dog timer (0.524 second)

Maximum 25 programmable I/O pins

One 8-bit programmable timer

Two 4 bit A/D converter

One external interrupt request

Built-in low Vdd voltage reset

+5V power supply

b) MCU PORTS DEFINITION

PORTA NAME	PIN ON	I/O	SIGNAL NAME	ACTIVE LEVEL	RESET LEVEL	FUNCTION DESCRIPTION
PORTA 0 DAC8	26	O	B BIOS	---	Read from EEPROM	B BIOS PWM OUT
PORTA 1 DAC9	27	O	R BIOS	---		R BIOS PWM OUT
PORTA 2 DAC10	28	O	G BIOS	---		G BIOS PWM OUT
PORTA 3 DAC11	29	O	ABL	---		ABL PWM OUT
PORTA 4 DAC12	30	I/O	DEGAUSS	H	H to L	Degauss OUT (HIGH IS ACTIVE)
PORTA 5 DAC13	31	I	V SYNC IN	---	---	No used
PORTA 6	32	O	V SYNC OUT(+)	---	H	Positive polarity out
PORTA 7	33	O	H SYNC OUT(+)	---	H	Positive polarity out

PORTA NAME	PIN ON	I/O	SIGNAL NAME	ACTIVE LEVEL	RESET LEVEL	FUNCTION DESCRIPTION
PORTB 0	14	O	WP	H	H	WRITE PROTECT
PORTB 1	13	O	PMU-O	L	H	PMU OFF (NORMAL IS HIGH)
PORTB 2	12	O	PMU-S	L	H	PMU SUSPEND (NORMAL IS HIGH)
PORTB 3	11	O	SELF TEST	---	---	No used
PORTB 4	10	O	SCL	---	H	EEPROM SCL
PORTB 5	09	I/O	SDA	---	H	EEPROM SDA
PORTB 6	15	I	USB IN	---	---	No used

PORTA NAME	PIN ON	I/O	SIGNAL NAME	ACTIVE LEVEL	RESET LEVEL	FUNCTION DESCRIPTION
PORTC 0	23	AI	ADC2	---	---	OSD, SEL(-), ADJ(+)
PORTC 1	22	AI	ADC1	---	---	SEL(+), ADJ(-)
PORTC 2	21	O	MUTE OUT	H	H	
PORTC 3	20	I	CABLE OFF ID	---	---	Detect H is cable off
PORTC 4	19	O	CS1	L	H	
PORTC 5	18	O	CS2	L	H	
PORTC 6	17	O	CS3	L	H	
PORTC 7	16	O	CS4	L	H	

PORTA NAME	PIN ON	I/O	SIGNAL NAME	ACTIVE LEVEL	RESET LEVEL	FUNCTION DESCRIPTION
DA0	03	O	BR	---	H	BRIGHTNESS PWM OUT
DA1	02	O	HS	---	H	H SIZE PWM OUT
DA2	01	O	ROT	---	H	ROTATION PWM OUT
DA3	38	O	G GAIN	---	---	G GAIN PWM OUT
DA4	37	O	R GAIN	---	H	R GAIN PWM OUT
DA5	36	O	B GAIN	---	H	B GAIN PWM OUT
DA6	35	O	CT	---	---	CONTRAST PWM OUT
DA7	34	O		---		No Used

OTHER NAME	PIN ON	I/O	SIGNAL NAME	ACTIVE LEVEL	RESET LEVEL	FUNCTION DESCRIPTION
RESET	04	I	RESET	L	---	LOW RESET
VDD	05	I	VDD	---	---	VCC 4.5V -5V
GND	06	I	GND	---	---	
XTXAL2	07	O	OSCO	---	---	8M HZ CRSTAL OUT
XTXAL1	08	I	OSCI	---	---	8M HZ CRSTAL IN
DDC SCL	24	O	SCL			SLAVE MODE
DDC SDA	25	I/O	SDA			SLAVE MODE
H SYNC IN	39	I	H SYNC			Pos. / Neg. IN
V SYNC IN	40	I	V SYNC			Pos. / Neg. IN

- c) EEPROM : ATMEL AT24C04 (512 * 8 bit = 4K bits)
 24C04 is an 4K bits 5V electrically erasable programmable read only memory (EEPROM) organized as 512 by 8 bits.
 The stored information is electrically alterable on a word-by-word basis IIC-BUS controlled.
 24C04 contain the data of timing factory default PWM value, CS value...et.
 According to these data WT606 MCU can decide the suitable PWM value for different timing.
- d) I002 (LM7805) is a power regulator IC, it switches 15.5V to 5V to supply the whole circuit.
- e) I007 (LM324N) IS PROVIDED Cs switch circuit as buffer
- f) Q005 (2SC945) and D005, D006, R031, R032, C012 parts is a reset circuit.
- g) Self-test of wiring:
 - g-1 I005B (LM358) is a comparator
 - g-2 The negative end is given for reference, with impedance for difference of voltage $\square$ 12.7V
 - g-3 The positive end from 1K (R004) to H-SYNC and when D-SUB goes on
 - g-4 The positive end would be torn to +5V and (-)Voltage > (+)Voltage, OP output becomes low
 - g-5 When Cable is removed, H-SYNC equals floating, the (+)Voltage would be torn to 15V > (-)Voltage OP output shall be torn to $\square$ 15V and MCU has the detection in self mode
- h) I005A (LM358) is a MUTE circuit, active output as "H" level.
- i) DDC WIRING
 This is an independent wiring where DDC is accessible with one 24LC21(I008) for DDC1/2B, at this time, DDC1 has VCLK as CLK, SDA is the data for transmission, DDC 2B has SCL as CLK, SDA is the data for transmission.
 KIA7045P(I009) is a Reset IC, duly provided for easy resetting of IC free of impact by exterior voltage, this IC is only available for supply of 24LC21 Vcc when the reaches 4.5V after turning on the unit, otherwisw 24LC21 Vcc remains at 0V.

E. GENERAL ADJUSTMENT

1. B+ 50.5V adjustment: VR901

- a) Connect the positive lead of multi-meter to D915, D916 (--), negative lead to chassis ground.
- b) Adjust VR901 to obtain a 50.5V reading.

2. High Voltage adjustment: OSD “B+” Function

- a) Turn off the power and connect the positive lead of high voltage voltmeter to the tube anode, negative lead to Chassis Ground.
- b) Press and hold the “select” button on the front of the display, then press the power button to turn display on.
- c) Input factory mode, OSD main window will be show on the display, you can see OSD a frame for Red.
- d) Shift the selective item to stay at “□”, push “adjust” button going in to low-ranking.
- e) Shift the selective item to stay at “B+” Function
- f) Adjust “B+” Function to obtain a 25.5KV reading.

3. Static Focus adjustment:

- a) Display any character all over the screen.
- b) Set contrast max. and brightness in cut off position.
- c) Adjust FBT focus H/V VR until the 1/4 and 3/4 position of center Horizontal line and Vertical line of the picture is sharpest.

4. Background white balance adjustment: VR225, VR255, VR285 and OSD, “CU” function

- a) Set all bias VR to counter-clock wise max and let the raster be invisible.
- b) Press and hold the “select” button on the front of the display, then press the power button to turn the display on.
- c) Input factory mode, OSD main window will be shown on the display, you can see OSD a frame for Red.
- d) Shift the selective item to stay at “□”, push “adjust” button going in to low-ranking.
- e) Display black pattern (all video signals are disabled) and adjust FBT SCREEN VR until the raster just appear to see which color comes out first (red, green or blue colors), at $G2=510\pm 10V$.
- f) Adjust bias VR225, VR255, VR285 of the other 2 colors to get gray raster. (9300K + 27 M.P.C.D)
- g) Adjust “CU” function to let the gray raster no larger than 0.6 FT-L.

F. Factory mode adjustment

1. Getting into factory mode

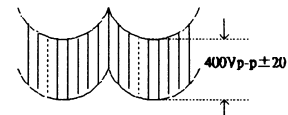
- Press and hold the “Select +” button on the front of the display, then press the power button to turn the display on.
- Wait about three seconds to Release the Select + button.
- Input factory mode, OSD main window will be shown on the display, you can see OSD a frame for Red.

2. Moving the OSD window

- Press “Select +” button to get OSD main window.
- Press the “Select -” button simultaneously for about 3 seconds.
- The OSD main window color will be changed from blue to red.
- Press the “Adjust -” button to move OSD main window to Left.
- Press the “Adjust +” button to move OSD main window to Right.
- Press the “Select -” button to move OSD main window to Down
- Press the “Select +” button to move OSD main window to up.

3. Factory mode function operation step

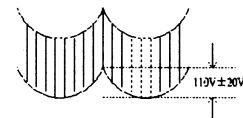
- RB : R-Bias icon, adjust the Background temperature in the spec.
- GB : R-Bias icon, adjust the Background temperature in the spec.
- BB : R-Bias icon, adjust the Background temperature in the spec.
- CU : Black level icon, adjust G1 voltage to the Black level in spec.
- B+ : High-voltage adjust icon, test High-voltage Cap to adjust the High-voltage in the spec.
- FG : Control gain of horizontal dynamic Waveform icon, adjust icon to let obtain a parabolic wave so following figure from connects the probe of scope on FBT pin 14(TP). (at present MCU DAC keep “75” value)



- g) FP : Control the phase of horizontal dynamic waveform. (a present MCU DAC keep “64” value)



- HD : Control the horizontal driver duty cycle. (at present MCU DAC keep “100” value)
- SC : Control the vertical Linearity of half picture, between UP and down half picture. (at present MCU DAC keep “55” value)
- CC : Control the vertical linearity between center and top/bottom. (at present MAU DAC keep “31” value)
- DV : Control gain of vertical dynamic waveform icon, adjust icon to let obtain a parabolic wave so following figure from connects the probe of scope on FBT pin 14 (TP). (at present MCU DAC keep “80” value)



- L) ☐ : brightness icon, adjust the Brightness, raster luminance, (at present reload “72” value)
- m) ☐ : Contrast icon, adjust the level of difference between light and Dark areas of the image. (at present reload “100” value)
- n) ☐ : Select the horizontal size icon to adjust the H-size of the spec $300 \pm 4\text{mm}$.
- o) ☐ : Select the horizontal position icon to adjust the horizontal position let picture to be centered.
- p) ☐ : Select the vertical size icon to adjust the V-size of the spec $225 \pm 4\text{mm}$.
- q) ☐ : Select the vertical position icon to adjust the vertical position let picture to be centered.
- r) ☐ : Select the pincushion icon to adjust any tapering or bowing of the sides, let picture be obtained a best shape.
- s) ☐ : Select the pin balance icon, adjust pin balance icon to let picture left and right distortion shape to a rectangle.
- t) ☐ : Select the parallelogram icon to adjust the equilateral let image shape to rectangle.
- u) ☐ : Select the trapezoid icon to adjust trapezoid distortion to let image shape to rectangle.
- v) ☐ : Select the rotation icon to adjust the angle of the spec.

4. Saving display settings in the factory mode.

- a) The OSD main window enables you to make changes to a variety of display settings. When selected icon is changed, the display's setting will be saved if you press the + or - button.
- b) Change mode settings, the display will be saved.
- c) Power off, the display setting will be saved.
- d) The OSD main window to close automatically, the display's will be saved.
- e) Set-up factory size H: 300mm V: 225mm, the display's setting will be saved.

5. Setting color Temperature

a) Input factory mode selecting

a-1 Press select "+" or "-" button to choose ☐ icon from the window.

a-2 Then choose color option window in ☐ user icon.

a-3 Press adjust "+" or "-" button, the color temperature Adjustment window will appear.

☐

R

G

B

☐

ABL

SAVE TO 9300K

SAVE TO 6500K

b) Setting Color Temperature (9300K, 6500K) and full white Luminance setting.

b-1 Input video with 1 block pattern.

b-2 preset 9300K Brightness: Default ☐ 72%

Contrast : MAX.

- Adjust color temperature X: 0.281, Y: 0.311 and Adjust R,G,B to get Luminance: 38~42 Ft-L.
- Input full with pattern
- Press "Select" button choose "ABL" Adjust to get Luminance: 29~34 Ft-L.
- Press "Select" button choose "9300K" location, then press Adjust "+" or "-" button, auto into SAVE condition.

b-3 Preset 6500K Brightness: Default ☐ 72%

Contrast : MAX.

- Adjust color temperature X: 0.313, Y: 0.329 and Adjust R,G,B to get Luminance: 43~47 Ft-L.
- Input full with pattern
- Press "Select" button choose "ABL" Adjust to get Luminance: 29~34 Ft-L.
- Press "Select" button choose "6500K" location, then press Adjust "+" or "-" button, auto into SAVE condition.

6. Brightness Recall

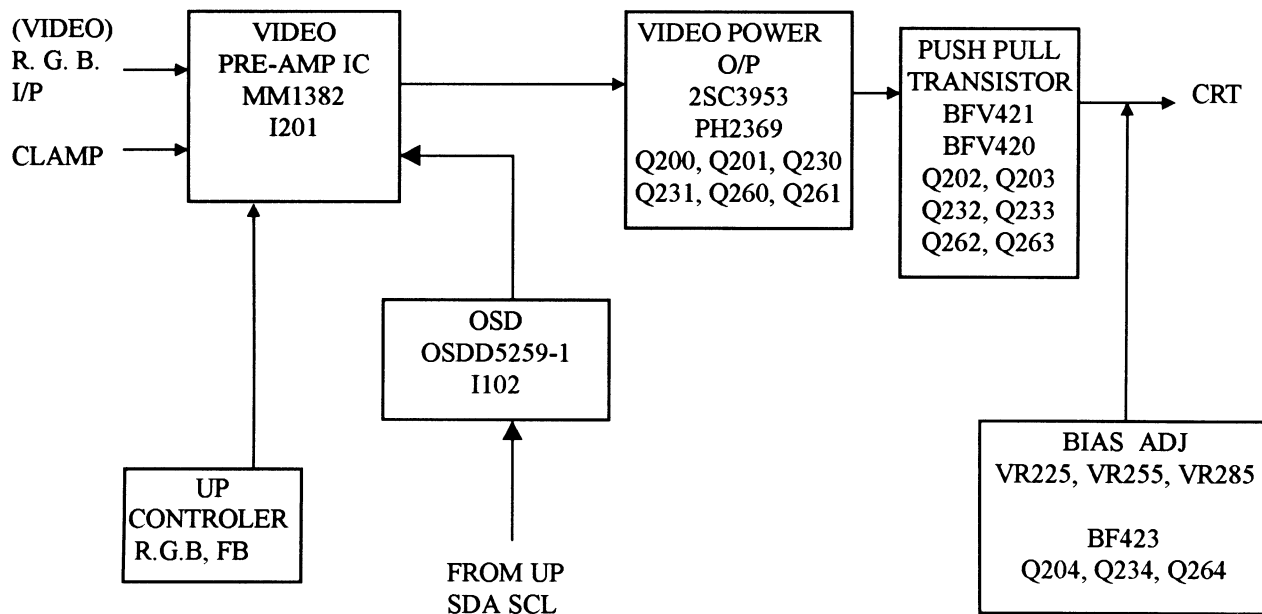
You can change the display's brightness or contrast quickly by pressing the brightness or contrast button.

If you want to return to original factory default, press the "OSD" & "Select +" button simultaneously, then press mod button or turn power off and on.

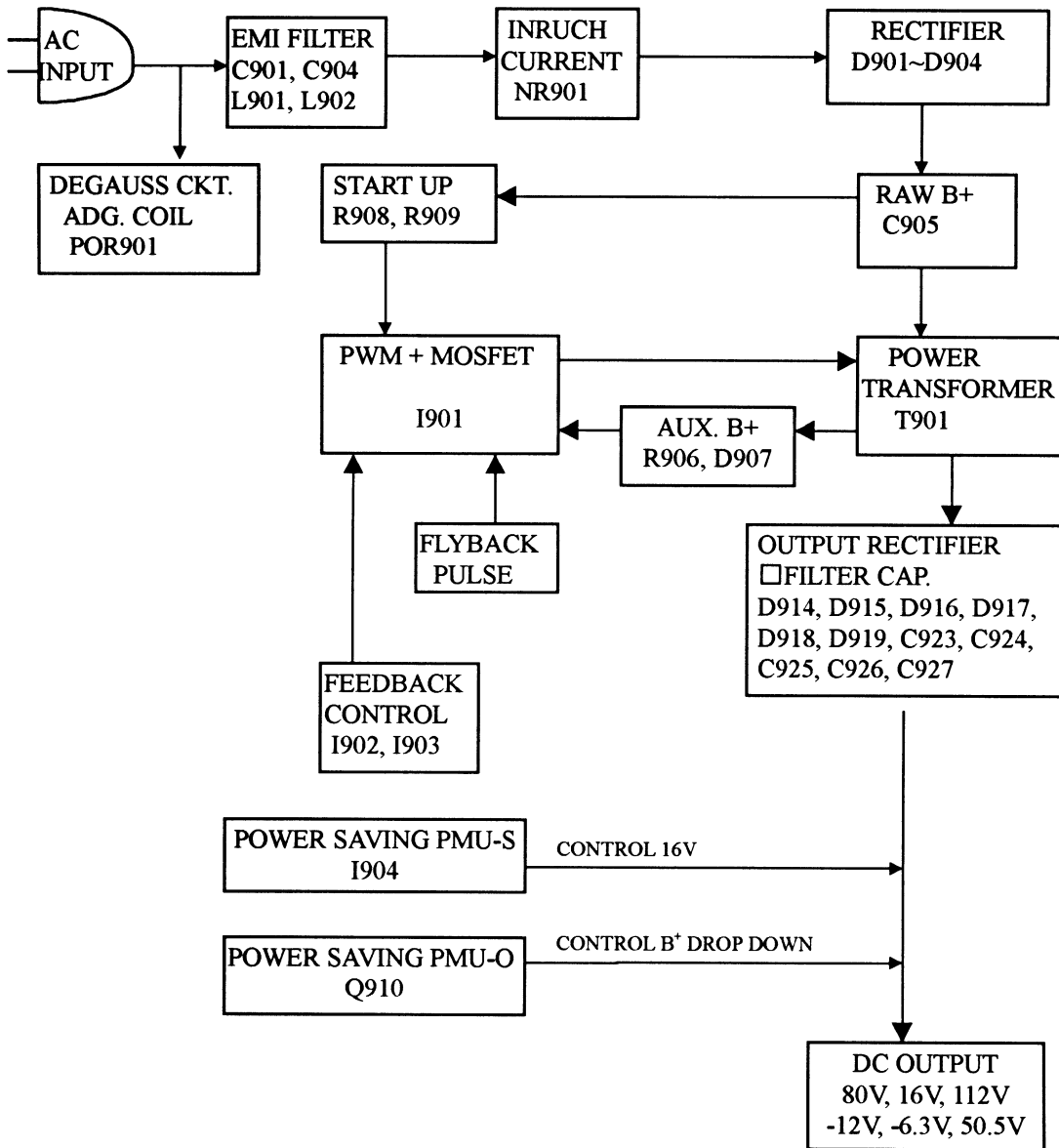
Brightness default to 72% contrast default to max.

G. BLOCK DIAGRAM

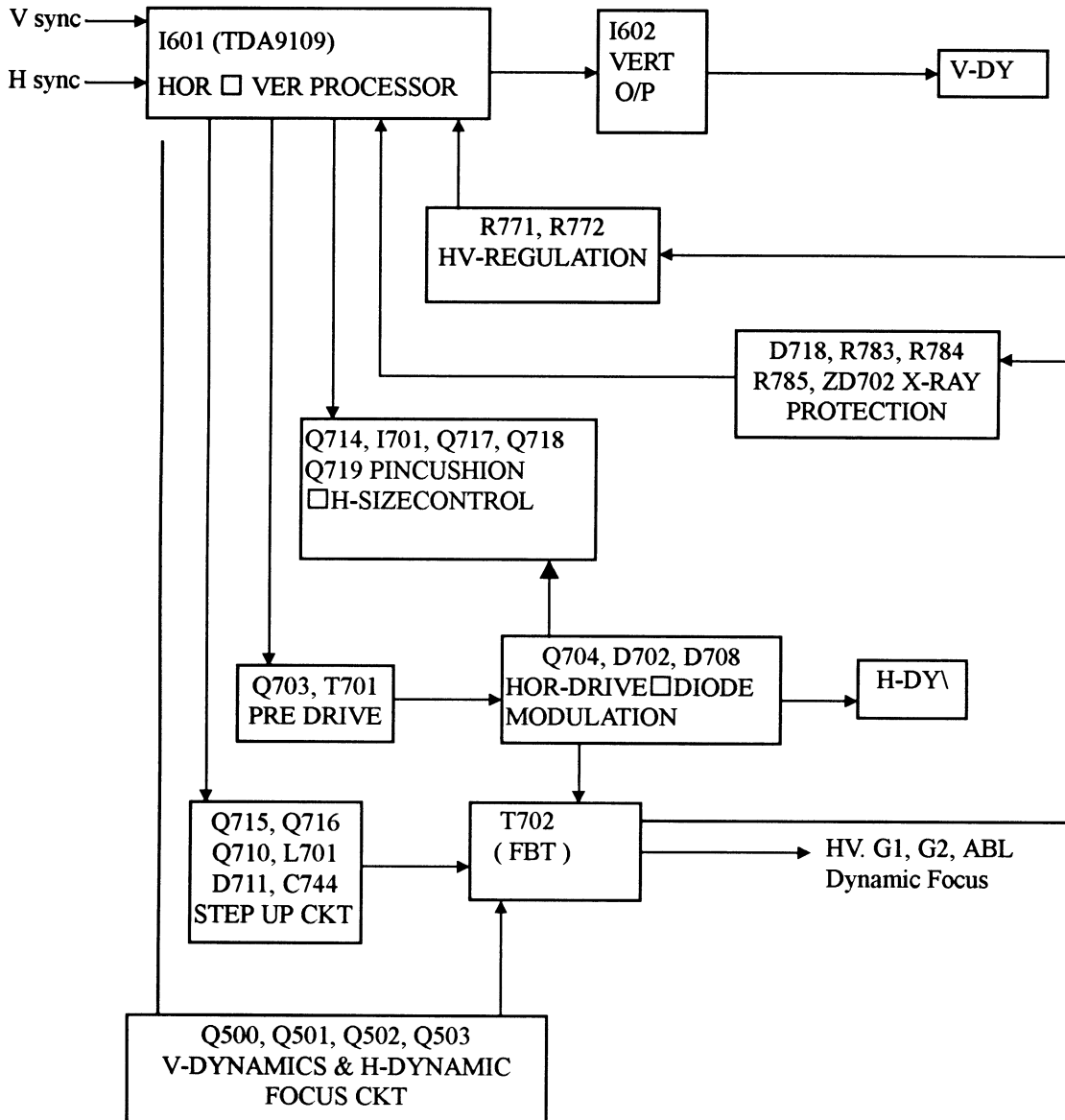
1. VIDEO DIAGRAM



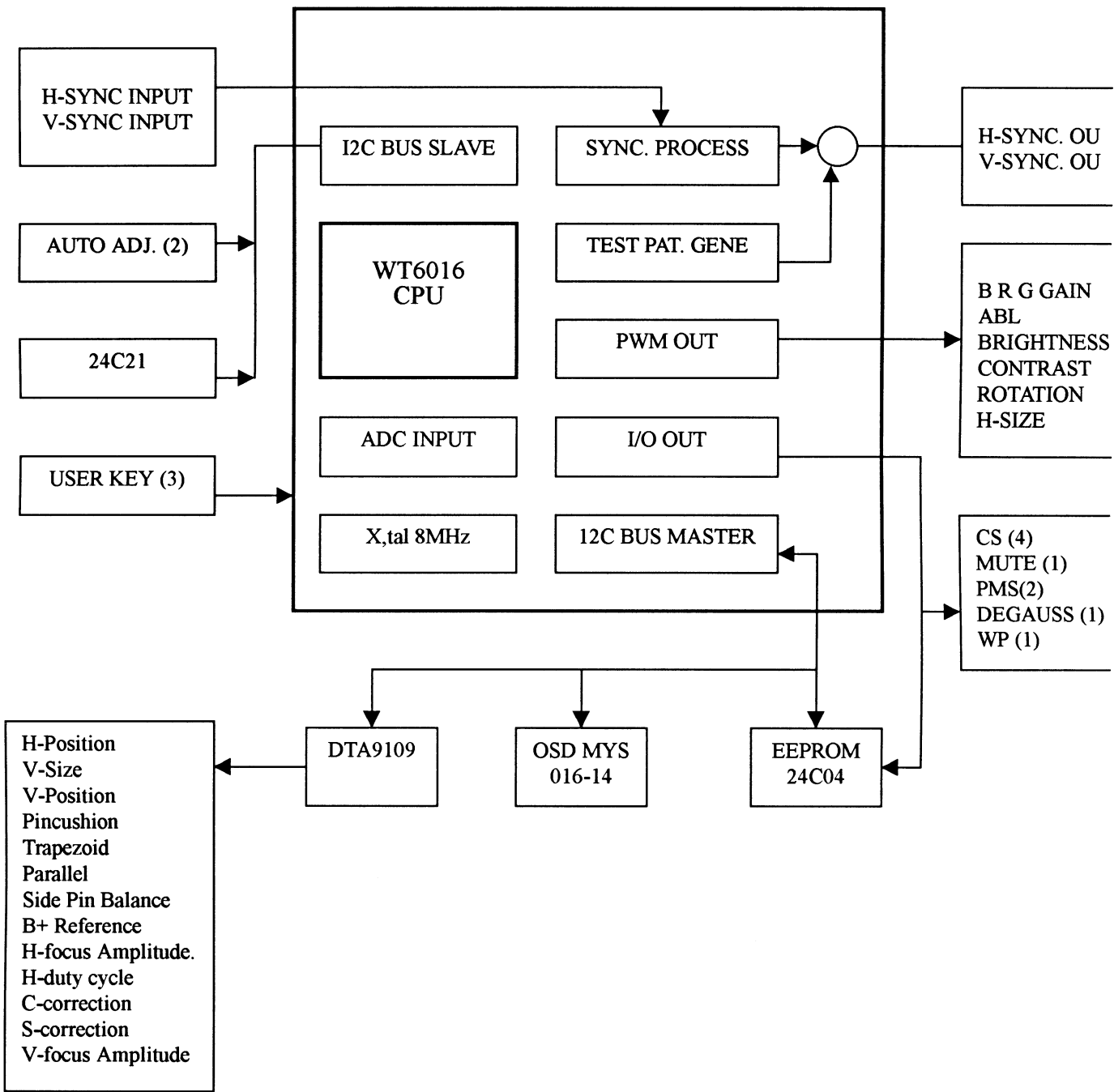
2. POWER BLOCK DIAGRAM



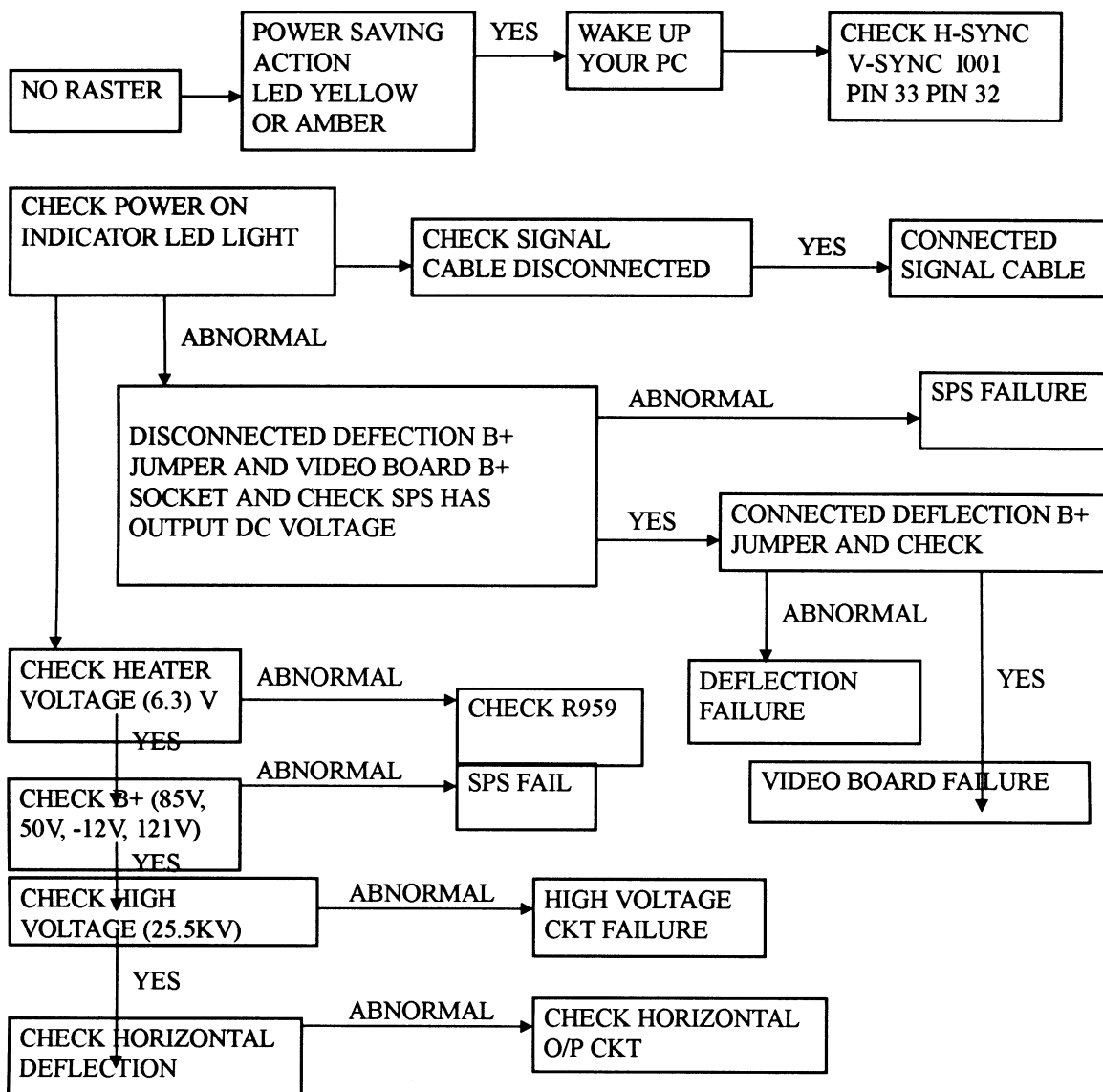
3. DEFLECTION

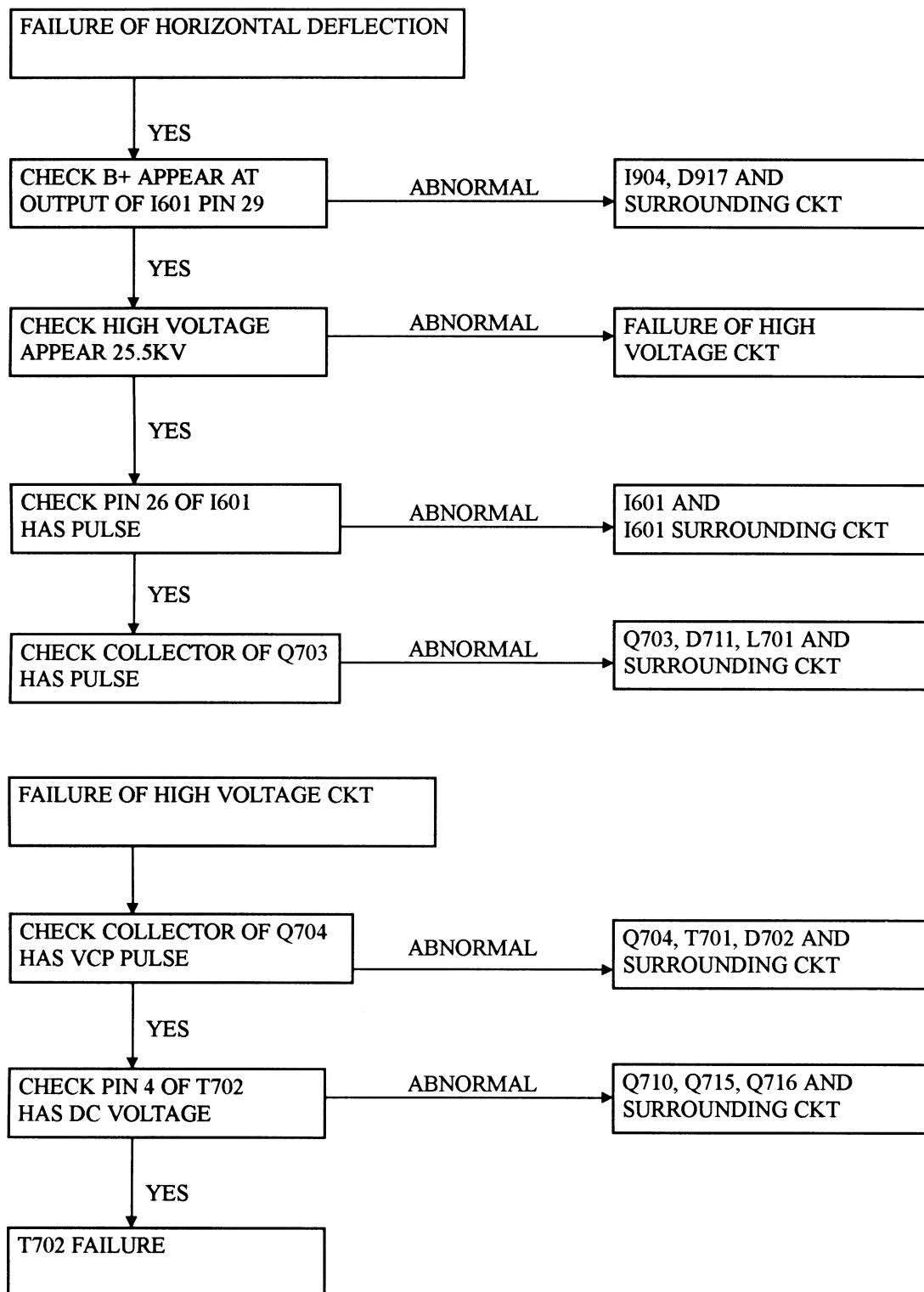


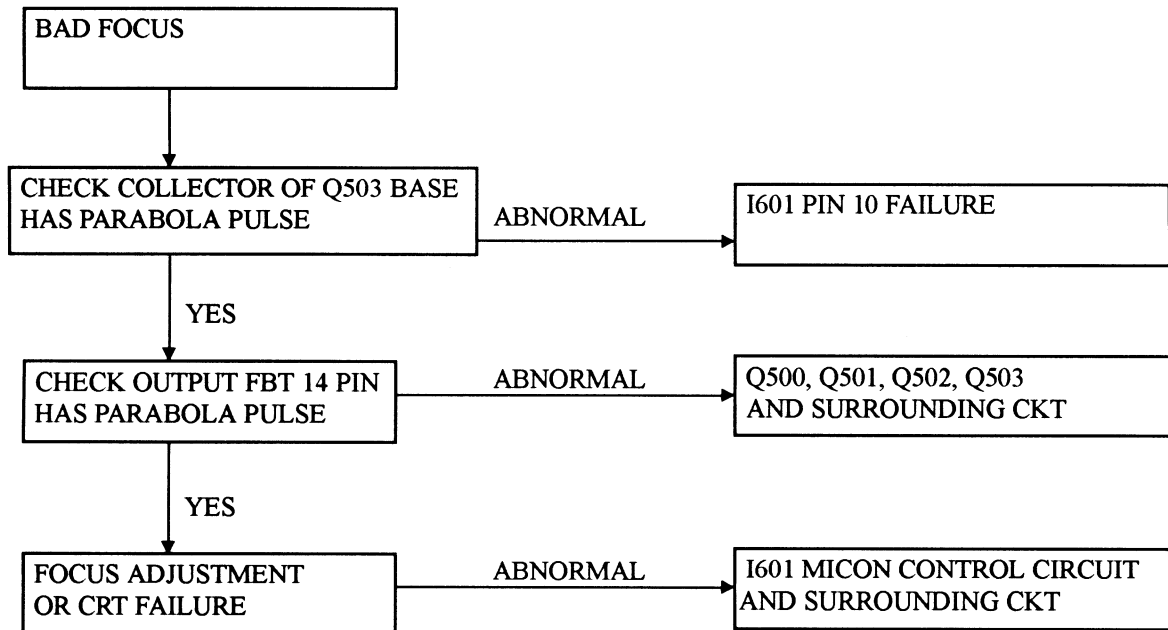
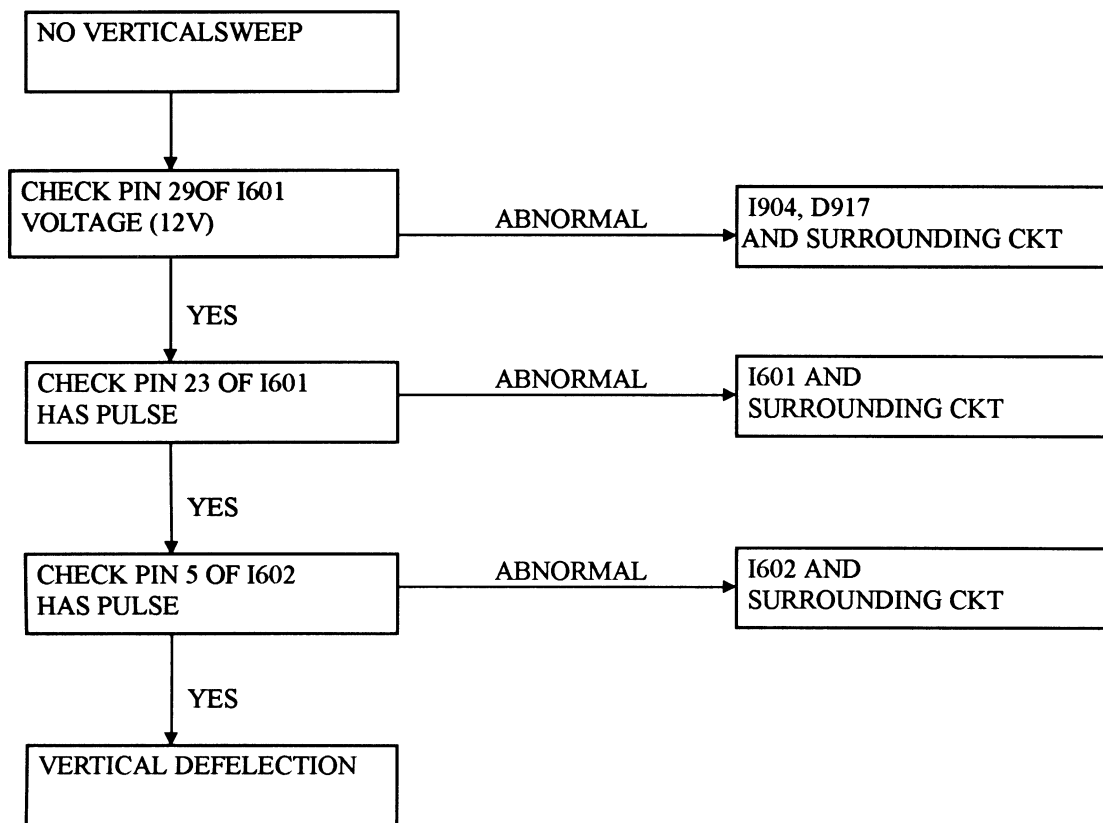
4. MICRO CIRCUIT BLOCK DIAGRAM

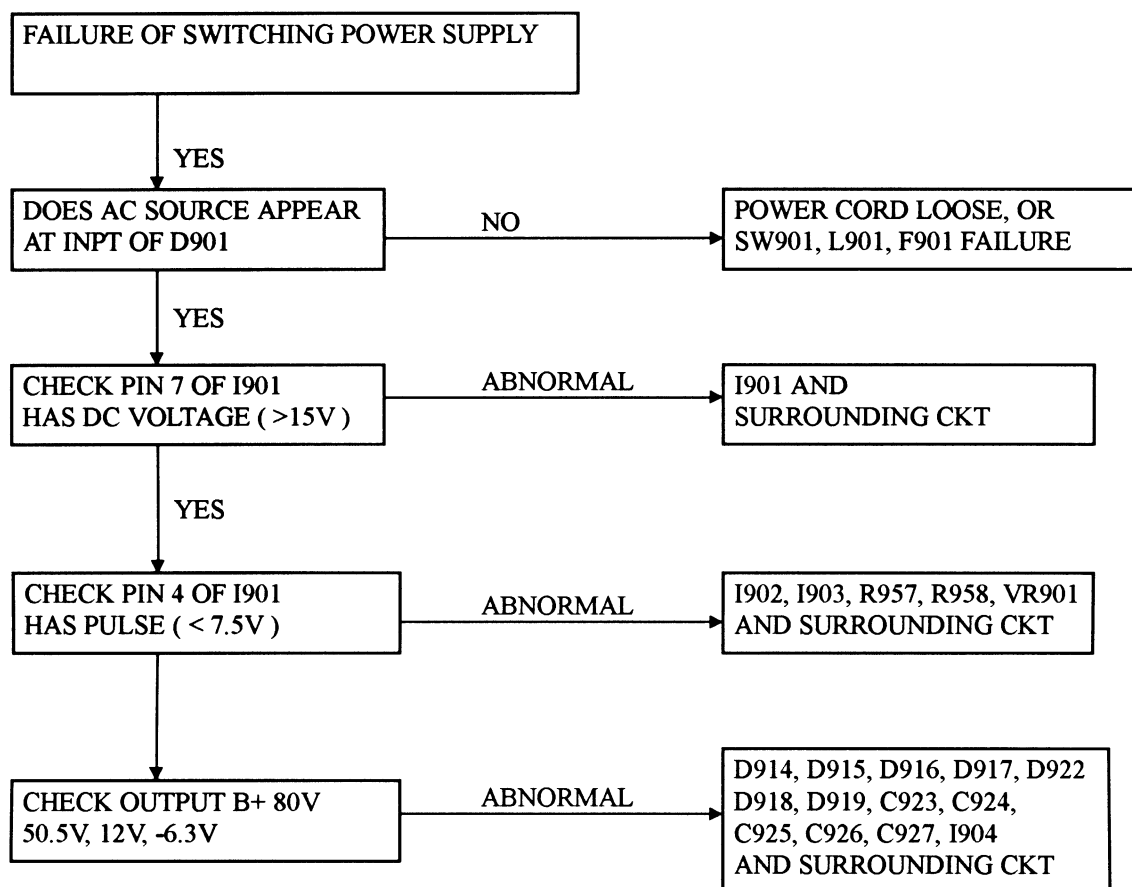


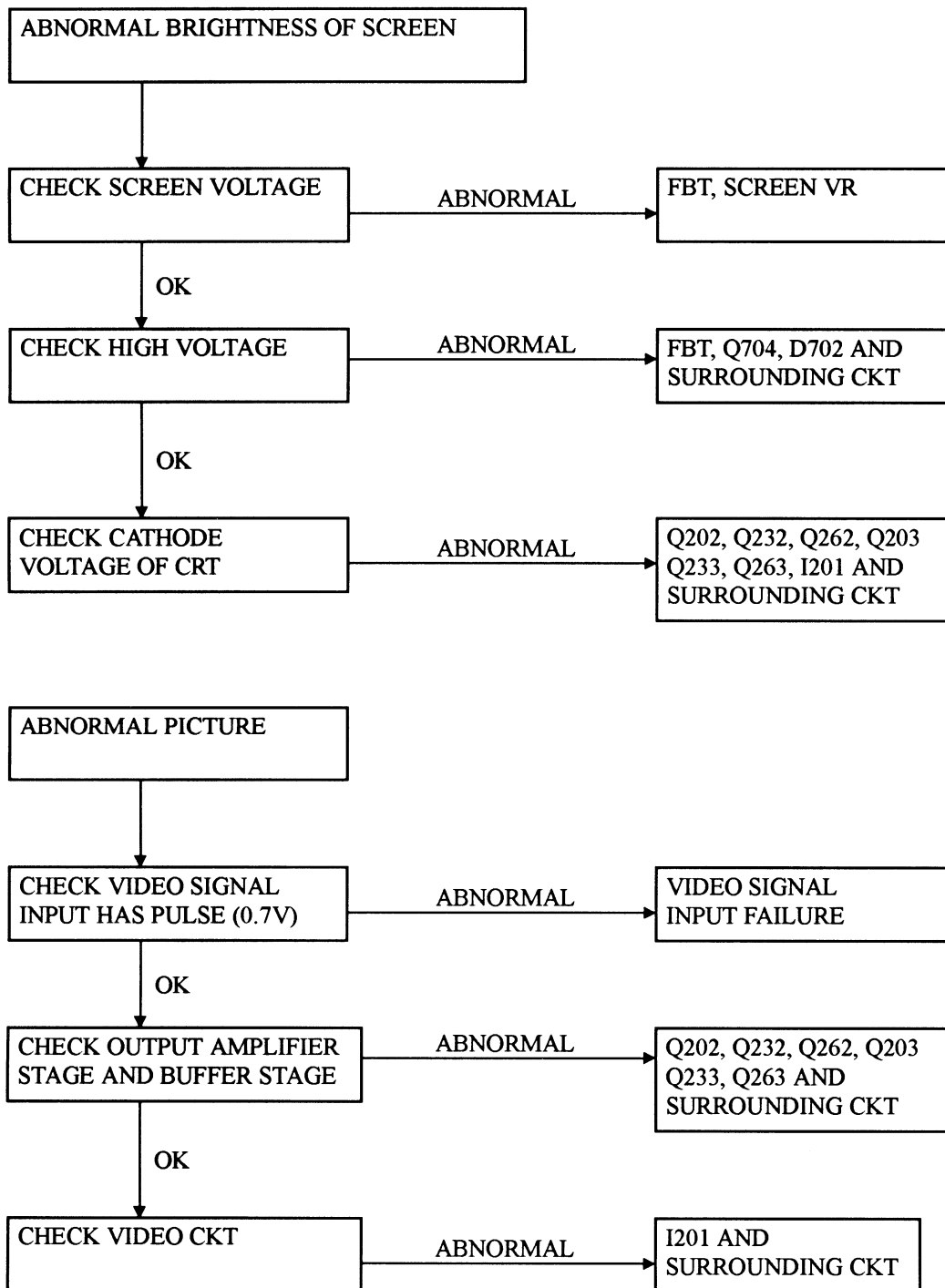
H. TROUBLE SHOOTING

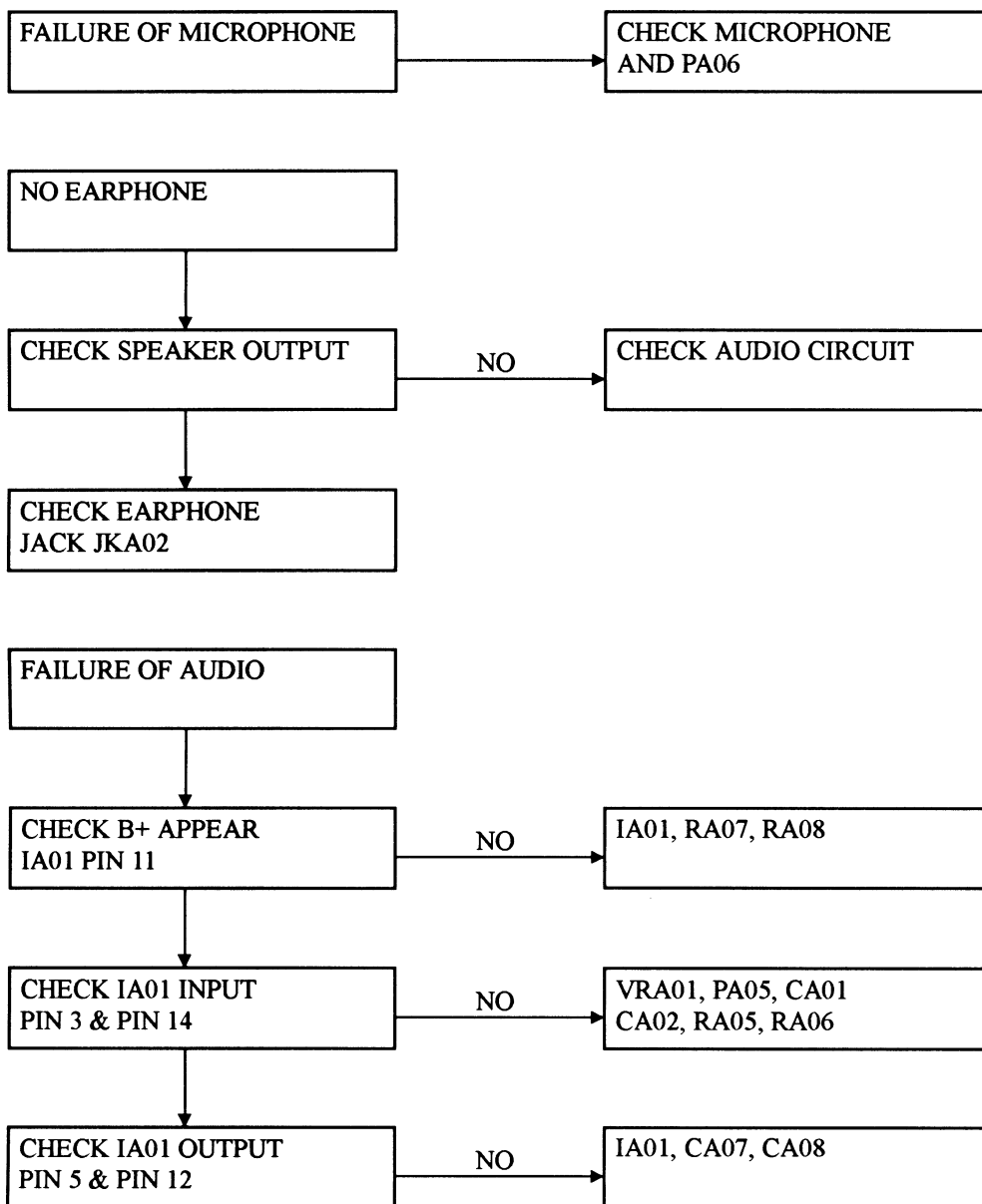




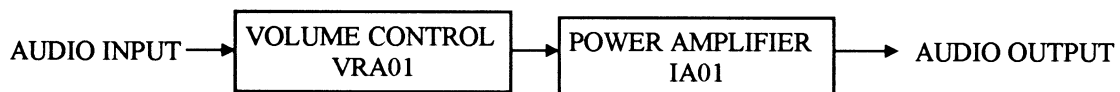








AUDIO CIRCUIT FUNETION BLOCK



PART NAME & DESCRIPTION			
TYPE		ALLOWANCE	
C	Carbon	F	±1%
F	Fuse	J	±5%
M	Metal	K	±10%
N	Metal Oxide	M	±20%
S	Solid	G	±2%
VR	Variable		
W	Wire Wound		

PART NAME & DESCRIPTION			
TYPE		ALLOWANCE	
C	Ceramic	C	±0.25pF
E	Electrolytic	D	±0.5pF
P	Polyester	F	±1pF
S	Styrol	J	±5%
T	Tantalum	K	±10%
PP	Polypropylene	L	±15%
M	Metalized Polyester	M	±20%
		P	+100%-0%
		Z	+80%-20%

Example:

VRMPTV4--103J-U M 10K J 1/4W

VCEACU1HH107MIP E 100U M 50V

Ref. No.	Parts No.	Description			
	QPWB-3140D8---	MAIN BOARD			
	DPWBN7121D8MP-S	PWB-3140 ASSEMBLY			
B009	QJUM-1045D8100-	JUMPER			
B014	QJUM-1045D8100-	JUMPER			
B700	QJUM-1045D8150-	JUMPER			
B701	RCORA5050D8--P	BEAD CORE			
B901	RCORA1021D8--HU	BEAD CORE			
B903	RCORA1021D8--HU	BEAD CORE			
B904	RCORA1018T8--S-	BEAD CORE			
B905	RCORA1018T8--S-	BEAD CORE			
C001	VCEACU1HH106M-P	E 10U M 50V			
C002	VCSFDU1HY104Z-P	C .1U Z 50V			
C003	VCEACU1AG107M-P	E 100U M 10V			
C004	VCSFDU1HY104Z-P	C .1U Z 50V			
C005	VCSFDU1HY104Z-P	C .1U Z 50V			
C006	VCDSU1HL330J-P	C 33P J 50V			
C007	VCDSU1HL330J-P	C 33P J 50V			
C008	VCSFDU1HY104Z-P	C .1U Z 50V			
C009	VCSFDU1HY104Z-P	C .1U Z 50V			
C011	VCLEET1HT104M-U	L .1U M 50V			
C012	VCSFDU1HY104Z-P	C .1U Z 50V			
C013	VCEACU1HH106M-P	E 10U M 50V			
C014	VCEACU1HH106M-P	E 10U M 50V			
C018	VCEACU1HH105M-P	E 1U M 50V			
C019	VCEACU1HH105M-P	E 1U M 50V			
C020	VCEACU1JG106M-P	E 10U M 63V			
C021	VCSFDU1HY104Z-P	C .1U Z 50V			
C022	VCEACU1HH106M-P	E 10U M 50V			
C023	VCEACU1HH106M-P	E 10U M 50V			
C024	VCEACU1HH106M-P	E 10U M 50V			
C026	VCSFDU1HY104Z-P	C .1U Z 50V			
C027	VCEACU1HH474M-P	E .47U M 50V			
C028	VCSFDU1HY104Z-P	C .1U Z 50V			
C029	VCEACU1HH106M-P	E 10U M 50V			
C031	VCKBDU1HY151K-P	C 150P K 50V			
C032	VCDSU1HL201J-P	C 200P J 50V			
C033	VCEACU1HH106M-P	E 10U M 50V			
C034	VCEACU1JG106M-P	E 10U M 63V			
C500	VCKBEF3AY102K--	C 1000P K 1KV			
C501	VCEACF2WY335M--	E 3.3U M 450V			
C502	VCEACU1HH106M-P	E 10U M 50V			
C503	VCEACU1VH107M-P	E 100U M 35V			
C504	VCKBDU2HY471K-P	C 470P K 500V			
C505	VCEACU1VH107M-P	E 100U M 35V			
C601	VCSFDU1HY104Z-P	C .1U Z 50V			
C602	VCEACU1EG476M-P	E .47U M 25V			
C603	VCSFDU1HY104Z-P	C .1U Z 50V			
C604	VCMEIU1HG224JNP	M .22U J 50V			
C605	VCELCU1HH105M-P	E 1U M 50V			
C606	VCKFUDU1HY103Z-P	C .01U Z 50V			
C607	VCEACU1CG227M-P	E 220U M 16V			
C608	VCKFUDU1HY103Z-P	C .01U Z 50V			
C609	VCKBDU1HY101K-P	C 100P K 50V			
C610	VCEACF1VG227M--	E 220U M 35V			
C612	VCEACF1CG108M--	E 1000U M 16V			
C613	VCKFUDU1HY103Z-P	C .01U Z 50V			
C614	VCEACF1CG108M--	E 1000U M 16V			
C615	VCKFUDU1HY103Z-P	C .01U Z 50V			
C616	VCMECU1JC224J9P	M .22U J 63V			
C617	VCKFUDU2HY103Z-P	C .01U Z 500V			
C618	VCEACU1HH105M-P	E 1U M 50V			
C701	VCPPBU2AK561J9P	P 560P J 100V			
C702	VCEACU1HH475M-P	E .47U M 50V			
C703	VCPELU1HG103J-P	P .01U J 50V			
C704	VCMEIU1HG224JNP	M .22U J 50V			
C705	VCKFUDU1HY103Z-P	C .01U Z 50V			
C706	VCEACU1CG227M-P	E 220U M 16V			
C707	VCSFDU1HY104Z-P	C .1U Z 50V			
C708	VCPELU1HG223J-P	P .022U J 50V			
C709	VCEACU1EG476M-P	E .47U M 25V			
C710	VCEACU1JG106M-P	E 10U M 63V			
C711	VCEACU1JG106M-P	E 10U M 63V			
C712	VCKBDU2HY222K-P	C 2200P K 500V			
C713	VCEACU1JG107M-P	E 100U M 63V			
C715	VCPELF1HG124J--	P .12U J 50V			
C716	VCMECU1JC224J9P	M .22U J 63V			
C718	VCMPBF3CC682J9-	M 6800P J 1.6KV			
C718	VCMPHF3CG682JLC	MP 6800P J 1.6KV 2nd			
C719	VCMPBF3AC472J9-	M 4700P J 1KV 2nd			
C719	VCMPHF3AG472JLC	MP 4700P J 1KV			
C722	VCPPBU2AK561J9P	P 560P J 100V			
C727	VCMPBF2EC394J9B	M 0.39U J 250V 2nd			
C727	VCMPHF2EG394JLB	M .39U J 250V			
C727	VCMPMF2EC394J9B	MPP .39U J 250V 2nd			

C728	VCMPBF2EC824J9B	M .82U J 250V 2nd	C905	VCEALS2GY227M--	E 220U M 400V
C728	VCMPHF2EG824JLB	MP .82U J 250V	C907	VCKBEF3AY221K--	C 220P K 1KV
C729	VCMPBF2EC274J9-	M .27U J 250V 2nd	C909	VCKBDU2HY222K-P	C 2200P K 500V
C729	VCMPHF2EG274JLB	MP .27U J 250V	C910	VCKFDU1HY103Z-P	C .01U Z 50V
C729	VCMPMF2EC274J9B	M .27U J 250V 2nd	C911	VCEACU1VH476M-P	E 47U M 35V
C732	VCMPBF2EC514J9B	M .51U J 250V 2nd	C912	VCKBDU1HY222K-P	C 2200P K 50V
C732	VCMPHF2EG514JLB	MP .51U J 250V	C913	VCEACU1HH105M-P	E 1U M 50V
C732	VCMPMF2EC514J9B	MPP .51U J 250V 2nd	C914	VCPELU1HG473J-P	P .047U J 50V
C734	VCKFDU1HY103Z-P	C .01U Z 50V	C915	VCEACU1HH474M-P	E .47U M 50V
C736	VCSFDU1HY104Z-P	C .1U Z 50V	C922	VCKFDU2HY103Z-P	C .01U Z 500V
C737	VCKBDU2HY102K-P	C 1000P K 500V	C922A	VCKFDU2HY103Z-P	C .01U Z 500V
C738	VCEACU1EG227M-P	E 220U M 25V	C923	VCEACF2AH227M--	E 220U M 100V
C739	VCEACU1EG107M-P	E 100U M 25V	C924	VCEACF2AG337M--	E 330U M 100V
C741	VCEACF2GH106M--	E 10U M 400V	C925	VCEACF1EG228M--	E 2200U M 25V
C742	VCPELU1HG104J-P	P .1U J 50V	C926	VCEACF1CG228M--	E 2200U M 16V
C743	VCEACU2AG106M-P	E 10U M 100V	C926A	VCEACU1CH476M-P	E 47U M 16V
C744	VCEACF2EY226Y--	E 22U Y 250V	C927	VCEACF1CG228M--	E 2200U M 16V
C745	VCEACU1HG226M-P	E 22U M 50V	C928	QJUM-1045D8075-	JUMPER
C746	VCEACU1HG474M-P	E .47U M 50V	C929	VCKFDF7BY222MX4	C 2200P M 125V
C747	VCKFDU1HY103Z-P	C .01U Z 50V	C930	VCKBEF3AY471K--	C 470P K 1KV
C748	VCENCU1HG474M-P	E .47U M 50V	C932	VCEACU1CH227M-P	E 220U M 16V
C749	VCPELU1HG222J-P	P 2200P J 50V	C932A	VCEACU1CH476M-P	E 47U M 16V
C751	VCEACU1JG107M-P	E 100U M 63V	C934	VCEACU1CG227M-P	E 220U M 16V
C752	VCMEHF2EG684K--	M .68U K 250V	C935	VCEACU1HH474M-P	E .47U M 50V
C753	VCPELU2AG104J-P	P .1U J 100V	C936	VCKBEF3AY221K--	C 220P K 1KV
C754	VCKBDU2HY102K-P	C 1000P K 500V	C937	VCKEDF7BY222MA-	K 2200P M 125V 2nd
C757	VCEACU1HH105M-P	E 1U M 50V	C937	VCKFDF7BY222MX3	C 2200P M 125V
C758	VCMEHF2AG105J--	M 1U J 100V	D001	VSD1N4148----U	DIODE
C759	VCSFDU1HY104Z-P	C .1U Z 50V	D003	VSD1N4148----U	DIODE
C760	VCKFDU1HY103Z-P	C .01U Z 50V	D004	VSD1N4148----U	DIODE
C764	VCSFDU1HY104Z-P	C .1U Z 50V	D005	VSD1N4148----U	DIODE
C765	VCKFDU2HY103Z-P	C .01U Z 500V	D006	VSD1N4148----U	DIODE
C765B	VCKFDU2HY103Z-P	C .01U Z 500V	D500	VSDBA159-----U	DIODE 2nd
C766	VCKBDU1HY102K-P	C 1000P K 50V	D500	VSDLYBA159----U	DIODE
C767	VCMEIU1HG104JNP	M .1U J 50V	D501	VSD1N4148----U	DIODE
C768	VCEACU1JG106M-P	E 10U M 63V	D600	VSD1N4001----U	DIODE
C773	VCSFDU1HY104Z-P	C .1U Z 50V	D600	VSDLY1N4007---U	DIODE 2nd
C774	VCEACU1JG106M-P	E 10U M 63V	D701	VSDLYHER103---U	DIODE
C775	VCSFDU1HY104Z-P	C .1U Z 50V	D701	VSDUF4001----U	DIODE 2nd
C777	VCKBDU2HY332K-P	C 3300P K 500V	D702	PCUSP1369D8F--A	CUSHION
C777A	VCKBDU2HY332K-P	C 3300P K 500V	D702	PISLM0047D8----	INSULATOR
C7A0	VCSFDU1HY104Z-P	C .1U Z 50V	D702	VSDFO8A60-----	DIODE
C7A1	VCEACU1HG226M-P	E 22U M 50V	D702	VSDMUR880E---M-	DIODE 2nd
C7A2	VCEACU1HG226M-P	E 22U M 50V	D702	XJISD30P12000--	SCREW
C7A3	VCPPBU2AK102J9P	P 1000P J 100V	D703	VSDBA159-----U	DIODE 2nd
C7A4	VCPELU1HG472J-P	P 4700P J 50V	D703	VSDLYBA159----U	DIODE
C7A5	VCPELU1HG472J-P	P 4700P J 50V	D704	VSDBA159-----U	DIODE 2nd
C7A6	VCKBDU1HY222K-P	C 2200P K 50V	D704	VSDLYBA159----U	DIODE
C7A7	VCEACU1CG227M-P	E 220U M 16V	D705	VSDBA159-----U	DIODE 2nd
C7A8	VCMEHF2AG225JL-	M 2.2U K 100V	D705	VSDLYBA159----U	DIODE
C7A9	VCSFDU1HY104Z-P	C .1U Z 50V	D706	VSD1N4148----U	DIODE
C7B0	VCKBDU1HY101K-P	C 100P K 50V	D707	VSD1N4148----U	DIODE
C7B1	VCDCDU1HH221J-P	C 220P J 50V	D708	VSD5TUZ47---D-	DIODE 2nd
C7C5	VCDSDU1HL221J-P	C 220P J 50V	D708	VSDFMQ-G2FS--2-	DIODE 2nd
C901	VCMEBF7EG224MA-	ME .22U M 250V 2nd	D708	VSDSDS06F150S8-	DIODE
C901	VCMEBF7EG224MX-	M .22U M 250V	D708	XJASD30P08000--	SCREW
C901	VCMEBF7EG224MX2	M .22U M 250V 2nd	D709	VSDBA159-----U	DIODE 2nd
C901	VCMEBF7EG224MX3	M .22U M 250V 2nd	D709	VSDLYBA159---U	DIODE
C902	VCKEDF7BY222MA-	K 2200P M 125V 2nd	D710	VSDBA159-----U	DIODE 2nd
C902	VCKFDF7BY222MX3	C 2200P M 125V	D710	VSDLYBA159---U	DIODE
C903	VCKEDF7BY222MA-	K 2200P M 125V 2nd	D711	VSDLYSF33A----H	DIODE
C903	VCKFDF7BY222MX3	C 2200P M 125V	D714	VSD1N4148----U	DIODE
C904	VCMEBF7EG224MA-	ME .22U M 250V 2nd	D715	VSD1N4148----U	DIODE
C904	VCMEBF7EG224MX-	M .22U M 250V	D716	VSD1N4148----U	DIODE
C904	VCMEBF7EG224MX2	M .22U M 250V 2nd	D717	VSD1N4148----U	DIODE
C904	VCMEBF7EG224MX3	M .22U M 250V 2nd	D718	VSDLYBA158----U	DIODE

D720	VSDBA159---U	DIODE 2nd	I602	VSILA78040---E-	IC 7PIN
D720	VSDLYBA159---U	DIODE	I602	VSITEA8172----	IC 7PIN 2nd
D721	VSDBA159---U	DIODE 2nd	I602	XJISD30P12000--	SCREW
D721	VSDLYBA159---U	DIODE	I700	VS174LS221----	IC 16PIN
D723	VSD1N4148---U	DIODE	I701	VSILM324N-----	IC 14PIN
D725	VSD1N4148---U	DIODE	I701	VSILM324N---M-	IC 14PIN 2nd
D730	VSD1N4148---U	DIODE	I701	VSILM324N---N-	IC 14PIN 2nd
D731	VSD1N4148---U	DIODE	I701	VSILM324N---T-	IC 14PIN 2nd
D733	VSD1N4148---U	DIODE	I901	PISLM0038D8---A	INSULATOR
D734	VSD1N4531---U	DIODE	I901	PRDAA6286D8W---	RADIATOR
D735	VSD1N4148---U	DIODE	I901	VSIIA2S0765--8-	IC 5PIN
D736	VSD1N4148---U	DIODE	I901	XJASD30P10000--	SCREW
D737	VSD1N4148---U	DIODE	I902	VSPPC123FY2---	PHOTO DEVICE
D738	VSD1N4148---U	DIODE	I902	VSPTLP721F-GRD-	PHOTO DEVICE 2nd
D739	VSD1N4148---U	DIODE	I903	VSIIA431AZ---8P	IC 3PIN
D740	VSD1N4148---U	DIODE	I903	VSITL431CT---P	IC 3PIN 2nd
D741	VSD1N4148---U	DIODE	J10	QJUM-1045D8125-	JUMPER
D742	VSD1N4002---U	DIODE	J100	QJUM-1045D8075-	JUMPER
D742	VSDLY1N4007---U	DIODE 2nd	J101	QJUM-1045D8100-	JUMPER
D743	VSD1N4002---U	DIODE	J102	QJUM-1045D8100-	JUMPER
D743	VSDLY1N4007---U	DIODE 2nd	J103	QJUM-1045D8150-	JUMPER
D7E0	VSD1N4148---U	DIODE	J104	QJUM-1045D8150-	JUMPER
D901	VSDLYRL207---U	DIODE	J105	QJUM-1045D8200-	JUMPER
D902	VSDLYRL207---U	DIODE	J106	QJUM-1045D8200-	JUMPER
D903	VSDLYRL207---U	DIODE	J107	QJUM-1045D8150-	JUMPER
D904	VSDLYRL207---U	DIODE	J108	QJUM-1045D8150-	JUMPER
D905	VSDLYBA159---U	DIODE	J109	QJUM-1045D8150-	JUMPER
D905SE	VSDBA159---U	DIODE 2nd	J11	QJUM-1045D8050-	JUMPER
D906	VSDLYHER107---U	DIODE	J110	QJUM-1045D8150-	JUMPER
D907	VSDLYHER104---U	DIODE	J111	QJUM-1045D8100-	JUMPER
D908	VSD1N4007---U	DIODE	J112	QJUM-1045D8075-	JUMPER
D908	VSDLY1N4007---U	DIODE 2nd	J113	QJUM-1045D8075-	JUMPER
D910	VSD1N4148---U	DIODE	J114	QJUM-1045D8050-	JUMPER
D912	VSD1N4148---U	DIODE	J115	QJUM-1045D8125-	JUMPER
D913	VSD1N4148---U	DIODE	J117	QJUM-1045D8100-	JUMPER
D914	VSDLYHER206G--U	DIODE	J118	QJUM-1045D8125-	JUMPER
D915	VSDLYHER306---H	DIODE	J119	QJUM-1045D8150-	JUMPER
D916	VSDLYHER306---H	DIODE	J12	QJUM-1045D8100-	JUMPER
D917	VSDLYHER303---H	DIODE	J120	QJUM-1045D8100-	JUMPER
D918	VSDLYHER303---H	DIODE	J121	QJUM-1045D8125-	JUMPER
D919	VSDLYHER303---H	DIODE	J122	QJUM-1045D8175-	JUMPER
D923	VSD1N4148---U	DIODE	J123	QJUM-1045D8200-	JUMPER
F901	QFS-D402SD82XH-	FUSE 2nd	J124	QJUM-1045D8100-	JUMPER
F901	QFS-D402SD82ZH-	FUSE	J125	QJUM-1045D8100-	JUMPER
GND2	VCNCP4201---U	CONNECTOR 1 PIN	J126	QJUM-1045D8125-	JUMPER
I001	VSIMCUKM712-2W-	IC 40PIN MASK	J127	QJUM-1045D8150-	JUMPER
I002	PRDAA6242D8W--H	RADIATOR	J128	QJUM-1045D8100-	JUMPER
I002	VSIL7805CV---Y-	IC 3PIN 2nd	J129	QJUM-1045D8050-	JUMPER
I002	VSILM7805CT---	IC 3PIN 2nd	J13	QJUM-1045D8100-	JUMPER
I002	VSIMC7805CT---	IC 3PIN	J130	QJUM-1045D8200-	JUMPER
I002	XJASD30P06000--	SCREW	J131	QJUM-1045D8200-	JUMPER
I004	VS124LC04B----	IC 8PIN 2nd	J132	QJUM-1045D8075-	JUMPER
I004	VSIIKS24C041C-8-	IC 8PIN	J133	QJUM-1045D8125-	JUMPER
I004	VSIM24C04-BN6Y-	IC 8PIN 2nd	J134	QJUM-1045D8100-	JUMPER
I005	VSILM358N-----	IC 8PIN	J136	QJUM-1045D8175-	JUMPER
I005	VSILM358N---N-	IC 8PIN 2nd	J137	QJUM-1045D8075-	JUMPER
I005	VSILM358N---Y-	IC 8PIN 2nd	J138	QJUM-1045D8150-	JUMPER
I005	VSILM358P---T-	IC 8PIN 2nd	J14	QJUM-1045D8100-	JUMPER
I007	VSILM324N-----	IC 14PIN	J143	QJUM-1045D8100-	JUMPER
I007	VSILM324N---M-	IC 14PIN 2nd	J145	QJUM-1045D8100-	JUMPER
I007	VSILM324N---N-	IC 14PIN 2nd	J146	QJUM-1045D8100-	JUMPER
I007	VSILM324N---T-	IC 14PIN 2nd	J147	QJUM-1045D8150-	JUMPER
I601	VSIIKB2511---8-	IC 32PIN	J148	QJUM-1045D8125-	JUMPER
I601	VSITDA9109---Y-	IC 32PIN 2nd	J149	QJUM-1045D8050-	JUMPER
I602	PCUSP1369D8F--A	CUSHION	J15	QJUM-1045D8100-	JUMPER
I602	PISLM0047D8---	INSULATOR	J150	QJUM-1045D8100-	JUMPER

J151	QJUM-1045D8125-	JUMPER	J55	QJUM-1045D8100-	JUMPER
J152	QJUM-1045D8075-	JUMPER	J56	QJUM-1045D8100-	JUMPER
J153	QJUM-1045D8150-	JUMPER	J57	QJUM-1045D8100-	JUMPER
J154	QJUM-1045D8100-	JUMPER	J58	QJUM-1045D8100-	JUMPER
J155	QJUM-1045D8100-	JUMPER	J59	QJUM-1045D8100-	JUMPER
J157	QJUM-1045D8050-	JUMPER	J6	QJUM-1045D8150-	JUMPER
J16	QJUM-1045D8100-	JUMPER	J60	QJUM-1045D8100-	JUMPER
J160	QJUM-1045D8050-	JUMPER	J61	QJUM-1045D8100-	JUMPER
J162	QJUM-1045D8150-	JUMPER	J62	QJUM-1045D8100-	JUMPER
J163	QJUM-1045D8150-	JUMPER	J63	QJUM-1045D8100-	JUMPER
J164	QJUM-1045D8150-	JUMPER	J64	QJUM-1045D8200-	JUMPER
J165	QJUM-1045D8150-	JUMPER	J66	QJUM-1045D8200-	JUMPER
J166	QJUM-1045D8150-	JUMPER	J67	QJUM-1045D8200-	JUMPER
J167	QJUM-1045D8150-	JUMPER	J68	QJUM-1045D8125-	JUMPER
J168	QJUM-1045D8075-	JUMPER	J7	QJUM-1045D8075-	JUMPER
J169	QJUM-1045D8175-	JUMPER	J70	QJUM-1045D8125-	JUMPER
J17	QJUM-1045D8100-	JUMPER	J71	QJUM-1045D8125-	JUMPER
J170	QJUM-1045D8150-	JUMPER	J72	QJUM-1045D8125-	JUMPER
J171	QJUM-1045D8125-	JUMPER	J73	QJUM-1045D8125-	JUMPER
J172	QJUM-1045D8100-	JUMPER	J74	QJUM-1045D8175-	JUMPER
J173	QJUM-1045D8200-	JUMPER	J75	QJUM-1045D8150-	JUMPER
J174	QJUM-1045D8050-	JUMPER	J76	QJUM-1045D8075-	JUMPER
J175	QJUM-1045D8125-	JUMPER	J77	QJUM-1045D8075-	JUMPER
J176	QJUM-1045D8100-	JUMPER	J78	QJUM-1045D8150-	JUMPER
J177	QJUM-1045D8100-	JUMPER	J79	QJUM-1045D8150-	JUMPER
J18	QJUM-1045D8100-	JUMPER	J8	QJUM-1045D8075-	JUMPER
J19	QJUM-1045D8100-	JUMPER	J80	QJUM-1045D8100-	JUMPER
J2	QJUM-1045D8100-	JUMPER	J81	QJUM-1045D8100-	JUMPER
J20	QJUM-1045D8100-	JUMPER	J82	QJUM-1045D8150-	JUMPER
J21	QJUM-1045D8050-	JUMPER	J83	QJUM-1045D8150-	JUMPER
J22	QJUM-1045D8050-	JUMPER	J84	QJUM-1045D8100-	JUMPER
J23	QJUM-1045D8075-	JUMPER	J85	QJUM-1045D8075-	JUMPER
J24	QJUM-1045D8150-	JUMPER	J86	QJUM-1045D8125-	JUMPER
J25	QJUM-1045D8100-	JUMPER	J87	QJUM-1045D8100-	JUMPER
J26	QJUM-1045D8100-	JUMPER	J88	QJUM-1045D8100-	JUMPER
J27	QJUM-1045D8100-	JUMPER	J89	QJUM-1045D8050-	JUMPER
J28	QJUM-1045D8050-	JUMPER	J9	QJUM-1045D8075-	JUMPER
J29	QJUM-1045D8075-	JUMPER	J90	QJUM-1045D8100-	JUMPER
J3	QJUM-1045D8075-	JUMPER	J92	QJUM-1045D8100-	JUMPER
J30	QJUM-1045D8050-	JUMPER	J93	QJUM-1045D8100-	JUMPER
J31	QJUM-1045D8075-	JUMPER	J95	QJUM-1045D8150-	JUMPER
J32	QJUM-1045D8075-	JUMPER	J96	QJUM-1045D8150-	JUMPER
J33	QJUM-1045D8050-	JUMPER	J97	QJUM-1045D8150-	JUMPER
J34	QJUM-1045D8150-	JUMPER	J98	QJUM-1045D8150-	JUMPER
J35	QJUM-1045D8125-	JUMPER	J99	QJUM-1045D8100-	JUMPER
J36	QJUM-1045D8100-	JUMPER	L700	RCILL1130D8---B	LINE
J37	QJUM-1045D8100-	JUMPER	L701	RCHO-2727D8---A	CHOKE
J38	QJUM-1045D8075-	JUMPER	L702	VCNCP0102-PJST-	CONNECTOR 2 PIN
J39	QJUM-1045D8100-	JUMPER	L703	RCHO-2731D8----	CHOKE
J4	QJUM-1045D8075-	JUMPER	L704	RCHO-2724D8---A	CHOKE
J40	QJUM-1045D8100-	JUMPER	L705	RCHO-2726D8----	CHOKE
J41	QJUM-1045D8100-	JUMPER	L706	VL-EH220K0000-U	PEAKING COIL
J42	QJUM-1045D8100-	JUMPER	L901	RCILF1086D8----	COIL 2nd
J43	QJUM-1045D8075-	JUMPER	L901	RCILF1086D8--1-	COIL 2nd
J44	QJUM-1045D8075-	JUMPER	L901	RCILF1086D8--2-	COIL
J45	QJUM-1045D8200-	JUMPER	L902	RCILF1086D8----	COIL 2nd
J46	QJUM-1045D8150-	JUMPER	L902	RCILF1086D8--1-	COIL 2nd
J47	QJUM-1045D8150-	JUMPER	L902	RCILF1086D8--2-	COIL
J48	QJUM-1045D8125-	JUMPER	NR901	VSHSCK105D8----	THERMISTOR
J49	QJUM-1045D8125-	JUMPER	P001	VCNCP0046-JJST-	CONNECTOR 6 PIN
J5	QJUM-1045D8100-	JUMPER	P002	VCNCP0904SEJST-	CONNECTOR 4 PIN
J50	QJUM-1045D8100-	JUMPER	P203A	VCNCP4237SE----	CONNECTOR 7 PIN
J51	QJUM-1045D8100-	JUMPER	P204	QCNEWP080A-8004-	CONNECTOR WITH WIRE
J52	QJUM-1045D8125-	JUMPER	P204A	QCNEWP080A-8004-	CONNECTOR WITH WIRE
J53	QJUM-1045D8100-	JUMPER	P701	VCNCP0042-JJST-	CONNECTOR 2 PIN
J54	QJUM-1045D8100-	JUMPER	P702	VCNCP4113SJ----	CONNECTOR 3 PIN

P902	VCNCP0022—U	CONNECTOR 2 PIN	R002	VRCPTV4—101J-U	C 100 J 1/4W
POR901	VSQ451A9R0Q27—	POSISTOR 2nd	R004	VRCPTV4—102J-U	C 1K J 1/4W
POR901	VSQDGC2R9R0Q27-	POSISTOR	R005	VRCPTV4—513J-U	C 51K J 1/4W
Q001	VST2SC1815Y—P	TRANSISTOR 2nd	R006	VRCPTV4—101J-U	C 100 J 1/4W
Q001	VSTKSC1815Y—8P	TRANSISTOR	R007	VRCPTV4—244J-U	C 240K J 1/4W
Q002	VST2SC1815Y—P	TRANSISTOR 2nd	R008	VRCPTV4—473J-U	C 47K J 1/4W
Q002	VSTKSC1815Y—8P	TRANSISTOR	R011	VRCPTV4—101J-U	C 100 J 1/4W
Q003	VST2SC1815Y—P	TRANSISTOR 2nd	R012	VRCPTV4—101J-U	C 100 J 1/4W
Q003	VSTKSC1815Y—8P	TRANSISTOR	R013	VRCPTV4—103J-U	C 10K J 1/4W
Q005	VST2SC945Q—P	TRANSISTOR	R014	VRCPTV4—103J-U	C 10K J 1/4W
Q500	VST2SC4632—	TRANSISTOR	R015	VRCPTV4—102J-U	C 1K J 1/4W
Q501	VST2SC4632—	TRANSISTOR	R018	VRCPTV4—101J-U	C 100 J 1/4W
Q502	VST2SC5395—LP	TRANSISTOR	R019	VRCPTV4—101J-U	C 100 J 1/4W
Q503	VST2SA1993—LP	TRANSISTOR	R020	VRCPTV4—103J-U	C 10K J 1/4W
Q600	VSTMPSA06—MP	TRANSISTOR	R021	VRCPTV4—103J-U	C 10K J 1/4W
Q700	VST2N7000—P	TRANSISTOR	R021A	VRCPTV4—101J-U	C 100 J 1/4W
Q703	VST2SD669AC—	TRANSISTOR 2nd	R022	VRCPTV4—103J-U	C 10K J 1/4W
Q703	VST2SD669AW—	TRANSISTOR	R023	VRCPTV4—101J-U	C 100 J 1/4W
Q704	PRDAA6240D8W—W	RADIATOR	R024	VRCPTV4—101J-U	C 100 J 1/4W
Q704	VST2SC5521—6-	TRANSISTOR	R025	VRCPTV4—101J-U	C 100 J 1/4W
Q704	VSTBU2527AX—3-	TRANSISTOR 2nd	R026	VRCPTV4—101J-U	C 100 J 1/4W
Q704	XJASD30P10000—	SCREW	R027	VRCPTV4—101J-U	C 100 J 1/4W
Q705	VST2SC1815Y—P	TRANSISTOR 2nd	R028	VRCPTV4—103J-U	C 10K J 1/4W
Q705	VSTKSC1815Y—8P	TRANSISTOR	R029	VRCPTV4—103J-U	C 10K J 1/4W
Q710	PRDAA6242D8W—H	RADIATOR	R030	VRCPTV4—103J-U	C 10K J 1/4W
Q710	VST2SK1102—V-	TRANSISTOR 2nd	R030A	VRCPTV4—101J-U	C 100 J 1/4W
Q710	VSTIRFS730—8-	TRANSISTOR 2nd	R031	VRCPTV4—103J-U	C 10K J 1/4W
Q710	VSTIRFS730A—8-	TRANSISTOR	R032	VRCPTV4—101J-U	C 100 J 1/4W
Q710	VSTIRFS840—8-	TRANSISTOR 2nd	R035	VRCPTV4—101J-U	C 100 J 1/4W
Q710	XJASD30P08000—	SCREW	R036	VRCPTV4—101J-U	C 100 J 1/4W
Q711	VSTBF421—3P	TRANSISTOR PNP	R037	VRCPTV4—223J-U	C 22K J 1/4W
Q714	VST2SA673C—P	TRANSISTOR	R037A	VRCPTV4—103J-U	C 10K J 1/4W
Q715	VST2SC1213C—P	TRANSISTOR	R038	VRCPTV4—472J-U	C 4.7K J 1/4W
Q716	VST2SA673C—P	TRANSISTOR	R040	VRCPTV4—472J-U	C 4.7K J 1/4W
Q717	VST2SD669AC—	TRANSISTOR 2nd	R041	VRCPTV4—101J-U	C 100 J 1/4W
Q717	VST2SD669AW—	TRANSISTOR	R042	VRCPTV4—472J-U	C 4.7K J 1/4W
Q718	VST2SB716D—HP	TRANSISTOR	R043	VRCPTV4—363J-U	C 36K J 1/4W
Q719	VST2SB861C—	TRANSISTOR	R059	VRCPTV4—472J-U	C 4.7K J 1/4W
Q719	XJASD30P08000—	SCREW	R060	VRCPTV4—223J-U	C 22K J 1/4W
Q721	VSTIRF630M—Y-	TRANSISTOR 2nd	R061	VRCPTV4—472J-U	C 4.7K J 1/4W
Q721	VSTIRFS630A—8-	TRANSISTOR	R062	VRCPTV4—223J-U	C 22K J 1/4W
Q722	VST2SC1815Y—P	TRANSISTOR 2nd	R063	VRCPTV4—472J-U	C 4.7K J 1/4W
Q722	VSTKSC1815Y—8P	TRANSISTOR	R064	VRCPTV4—103J-U	C 10K J 1/4W
Q723	VSTIRF630A—8-	TRANSISTOR 2nd	R065	VRCPTV4—101J-U	C 100 J 1/4W
Q723	VSTIRF630M—Y-	TRANSISTOR 2nd	R066	VRCPTV4—101J-U	C 100 J 1/4W
Q723	VSTIRFS630A—8-	TRANSISTOR	R067	VRCPTV4—101J-U	C 100 J 1/4W
Q724	VST2SD468C—P	TRANSISTOR	R068	VRCPTV4—101J-U	C 100 J 1/4W
Q725	VST2SB562C—HP	TRANSISTOR	R069	VRMPTV4-4002F-U	M 40K F 1/4W
Q726	VST2SC1815Y—P	TRANSISTOR 2nd	R070	VRCPTV4—103J-U	C 10K J 1/4W
Q726	VST2SC945Q—P	TRANSISTOR 2nd	R071	VRCPTV4—101J-U	C 100 J 1/4W
Q726	VSTKSC1815Y—8P	TRANSISTOR	R072	VRCPTV4—101J-U	C 100 J 1/4W
Q731	VST2SC1815Y—P	TRANSISTOR 2nd	R073	VRCPTV4—101J-U	C 100 J 1/4W
Q731	VSTKSC1815Y—8P	TRANSISTOR	R075	VRCPTV4—101J-U	C 100 J 1/4W
Q732	VST2SC1815Y—P	TRANSISTOR 2nd	R076	VRCPTV4—101J-U	C 100 J 1/4W
Q732	VSTKSC1815Y—8P	TRANSISTOR	R077	VRCPTV4—101J-U	C 100 J 1/4W
Q902	VSTDTC114ES—RP	TRANSISTOR 2nd	R078	VRCPTV4—103J-U	C 10K J 1/4W
Q902	VSTKRC102M—P	TRANSISTOR	R079	VRCPTV4—101J-U	C 100 J 1/4W
Q905	VSTKSC1815Y—8P	TRANSISTOR	R079A	VRCPTV4—101J-U	C 100 J 1/4W
Q906	VST2SA950Y—P	TRANSISTOR	R080	VRCPTV4—103J-U	C 10K J 1/4W
Q907	VSTDTC114ES—RP	TRANSISTOR 2nd	R082	VRCPTV4—101J-U	C 100 J 1/4W
Q907	VSTKRC102M—P	TRANSISTOR	R086	VRCPTV4—472J-U	C 4.7K J 1/4W
Q908	VST2SA1015Y—P	TRANSISTOR	R087	VRCPTV4—472J-U	C 4.7K J 1/4W
Q909	VST2SD468C—P	TRANSISTOR	R088	VRCPTV4—472J-U	C 4.7K J 1/4W
Q910	VSTDTC114ES—RP	TRANSISTOR 2nd	R089	VRCPTV4—223J-U	C 22K J 1/4W
Q910	VSTKRC102M—P	TRANSISTOR	R090	VRCPTV4—223J-U	C 22K J 1/4W
R001	VRCPTV4—101J-U	C 100 J 1/4W	R091	VRCPTV4—223J-U	C 22K J 1/4W

R092	VRCPTV4--101J-U	C 100 J 1/4W	R725	VRCPTV4--102J-U	C 1K J 1/4W
R093	VRMPTV4-4002F-U	M 40K F 1/4W	R726	VRCPTV4--472J-U	C 4.7K J 1/4W
R094	VRCPTV4--103J-U	C 10K J 1/4W	R727	VRCPTV4--822J-U	C 8.2K J 1/4W
R095	VRCPTV4--202J-U	C 2K J 1/4W	R728	VRCPTV4--273J-U	C 27K J 1/4W
R096	VRCPTV4--331J-U	C 330 J 1/4W	R729	VRCPTV4--512J-U	C 5.1K J 1/4W
R109	VRCPTV4--101J-U	C 100 J 1/4W	R730	VRCPTV4--682J-U	C 6.8K J 1/4W
R110	VRCPTV4--102J-U	C 1K J 1/4W	R731	VRCPTV4--103J-U	C 10K J 1/4W
R110A	VRCPTV4--102J-U	C 1K J 1/4W	R732	VRCPTV4--472J-U	C 4.7K J 1/4W
R111	VRCPTV4--512J-U	C 5.1K J 1/4W	R733	VRCPTV4--683J-U	C 68K J 1/4W
R112	VRCPTV4--333J-U	C 33K J 1/4W	R734	VRCPTV4--303J-U	C 30K J 1/4W
R113	VRCPTV4--513J-U	C 51K J 1/4W	R735	VRCPTV4--243J-U	C 24K J 1/4W
R114	VRCPTV4--102J-U	C 1K J 1/4W	R736	VRCPTV4--363J-U	C 36K J 1/4W
R117	VRCPTV4--473J-U	C 47K J 1/4W	R737	VRCPTV4--102J-U	C 1K J 1/4W
R118	VRCPTV4--563J-U	C 56K J 1/4W	R738	VRCPTV4--103J-U	C 10K J 1/4W
R119	VRCPTV4--473J-U	C 47K J 1/4W	R739	VRCPTV4--103J-U	C 10K J 1/4W
R500	VRCMTV2--184J-U	C 180K J 1/2W	R740	VRCPTV4--101J-U	C 100 J 1/4W
R501	VRCMTV2--184J-U	C 180K J 1/2W	R741	VRCPTV4--473J-U	C 47K J 1/4W
R502	VRCMTV2--184J-U	C 180K J 1/2W	R742	VRCPTV4--102J-U	C 1K J 1/4W
R503	VRCMTV2--334J-U	C 330K J 1/2W	R744	VRCPTV4--100J-U	C 10 J 1/4W
R504	VRCMTV2--334J-U	C 330K J 1/2W	R745	VRCPTV4--471J-U	C 470 J 1/4W
R505	VRCMTV2--334J-U	C 330K J 1/2W	R746	VRNMK01--221J--	N 220 J 1W
R506	VRCMTV2--222J-U	C 2.2K J 1/2W	R747	VRNMK02--563J--	N 56K J 2W
R507	VRCMTV2--224J-U	C 220K J 1/2W	R748	VRCPTV4--132J-U	C 1.3K J 1/4W
R508	VRCMTV2--224J-U	C 220K J 1/2W	R750	VRCPTV4--332J-U	C 3.3K J 1/4W
R509	VRCMTV2--224J-U	C 220K J 1/2W	R751	VRLCQ10--331J--	L 330 J 10W
R510	VRCPTV4--101J-U	C 100 J 1/4W	R752	VRNMK02--1R0J--	N 1 J 2W
R511	VRCPTV4--471J-U	C 470 J 1/4W	R753	VRCMTV2--5R6J-U	C 5.6 J 1/2W
R512	VRCPTV4--750J-U	C 75 J 1/4W	R754	VRCPTV4--470J-U	C 47 J 1/4W
R513	VRCPTV4--101J-U	C 100 J 1/4W	R755	VRCPTV4--472J-U	C 4.7K J 1/4W
R514	VRCMTV2--332J-U	C 3.3K J 1/2W	R756	VRCPTV4--223J-U	C 22K J 1/4W
R515	VRCMTV2--562J-U	C 5.6K J 1/2W	R757	VRCPTV4--560J-U	C 56 J 1/4W
R516	VRCPTV4--391J-U	C 390 J 1/4W	R758	VRCPTV4--224J-U	C 220K J 1/4W
R517	VRCMTV2--103J-U	C 10K J 1/2W	R759	VRCMTV2--271J-U	C 270 J 1/2W
R518	VRCMTV2--333J-U	C 33K J 1/2W	R760	VRCPTV4--100J-U	C 10 J 1/4W
R600	VRCPTV4--102J-U	C 1K J 1/4W	R761	VRCPTV4--473J-U	C 47K J 1/4W
R605	VRMPTV4--623J-U	M 62K J 1/4W	R762	VRCMTV2--104J-U	C 100K J 1/2W
R606	VRMPTV4--274J-U	M 270K J 1/4W	R763	VRNMK02--220J--	N 22 J 2W
R611	VRMPTV4-1502F-U	M 15K F 1/4W	R764	VRCPTV4--100J-U	C 10 J 1/4W
R612	VRMPTV4-2701F-U	M 2.7K F 1/4W	R765	VRCPTV4--223J-U	C 22K J 1/4W
R613	VRCPTV4--562J-U	C 5.6K J 1/4W	R766	VRCPTV4--202J-U	C 2K J 1/4W
R614	VRCPTV4--302J-U	C 3K J 1/4W	R767	VRCPTV4--102J-U	C 1K J 1/4W
R615	VRCMTV2--2R2J-U	C 2.2 J 1/2W	R768	VRCPTV4--104J-U	C 100K J 1/4W
R617	VRFPK02--4R7J--	F 4.7 J 2W	R769	VRMPTV4--100J-U	M 10 J 1/4W
R618	VRCMTV2--1R0J-U	C 1 J 1/2W	R770	VRCPTV4--124J-U	C 120K J 1/4W
R619	VRCMTV2--1R5J-U	C 1.5 J 1/2W	R771	VRCPTV4--103J-U	C 10K J 1/4W
R620	VRCMTV2--331J-U	C 330 J 1/2W	R772	VRMPTV4-7502F-U	M 75K F 1/4W
R621	VRCPTV4--102J-U	C 1K J 1/4W	R773	VRCPTV4--472J-U	C 4.7K J 1/4W
R622	VRMPTV4-1300F-U	M 13 F 1/4W	R774	VRCPTV4--823J-U	C 82K J 1/4W
R623	VRCPTV4--222J-U	C 2.2K J 1/4W	R775	VRCPTV4--105J-U	C 1M J 1/4W
R624	VRCMTV2--1R8J-U	C 1.8 J 1/2W	R777	VRCPTV4--473J-U	C 47K J 1/4W
R701	VRCPTV4--472J-U	C 4.7K J 1/4W	R778	VRCPTV4--563J-U	C 56K J 1/4W
R702	VRCPTV4--472J-U	C 4.7K J 1/4W	R779	VRCPTV4--623J-U	C 62K J 1/4W
R703	VRCPTV4--101J-U	C 100 J 1/4W	R780	VRCPTV4--332J-U	C 3.3K J 1/4W
R704	VRCPTV4--103J-U	C 10K J 1/4W	R781	VRMPTV4-7901F-U	M 7.9K F 1/4W
R705	VRCPTV4--102J-U	C 1K J 1/4W	R782	VRMPTV4-1003F-U	M 100K F 1/4W
R711	VRCPTV4--103J-U	C 10K J 1/4W	R784	VRMPTV4-2702F-U	M 27K F 1/4W
R712	VRMPTV6--102J-U	M 1K J 1/6W	R785	VRMPTV4-8201F-U	M 8.2K F 1/4W
R713	VRMPTV4-7501F-U	M 7.5K F 1/4W	R786	VRCPTV4--103J-U	C 10K J 1/4W
R714	VRCPTV4--182J-U	C 1.8K 1/4W	R787	VRCMTV2--184J-U	C 180K J 1/2W
R715	VRMPTV4-9101F-U	M 9.1K F 1/4W	R788	VRCMTV2--106J-U	C 10M J 1/2W
R716	VRCMTV2--102J-U	C 1K J 1/2W	R789	VRCPTV4--102J-U	C 1K J 1/4W
R717	VRMMTV2-1003F-U	M 100K F 1/2W	R790	VRCPTV4--684J-U	C 680K J 1/4W
R719	VRCPTV4--122J-U	C 1.2K J 1/4W	R791	VRCPTV4--203J-U	C 20K J 1/4W
R720	VRCPTV4--333J-U	C 33K J 1/4W	R792	VRCPTV4--102J-U	C 1K J 1/4W
R721	VRMPTV4-9101F-U	M 9.1K F 1/4W	R793	VRCPTV4--913J-U	C 91K J 1/4W
R724	VRCPTV4--563J-U	C 56K J 1/4W	R794	VRCPTV4--154J-U	C 150K J 1/4W

R795	VRCPTV4-105J-U	C 1M J 1/4W	T701	RTRND1075D8---	TRANSFORMER
R796	VRCPTV4-913J-U	C 91K J 1/4W	T702	DFBTEC055-1570D	FBT 2nd
R797	VRCPTV4-913J-U	C 91K J 1/4W	T702	DFBTEC055-8570D	FBT
R798	VRCPTV4-472J-U	C 4.7K J 1/4W	T901	RCVTP3121D8---D	CONVERTER
R7A0	VRCPTV4-104J-U	C 100K J 1/4W	VR703	RVRSH6022D8102-	VR 1K
R7A1	VRCPTV4-822J-U	C 8.2K J 1/4W	VR901	RVRSH6022D8501-	VR 500
R7A2	VRCPTV4-684J-U	C 680K J 1/4W	X001	RCRSL1131D8---	CRYSTAL 2nd
R7A3	VRCMTV2-122J-U	C 1.2K J 1/2W	X001	RCRSL1144D8---	CRYSTAL
R7A4	VRCMTV2-471J-U	C 470 J 1/2W	ZD001	VSZMTZJ16B---U	ZENER DIODE
R7A5	VRCPTV4-102J-U	C 1K J 1/4W	ZD001	VSZRD16EB2---U	ZENER DIODE 2nd
R7A6	VRMPTV4-3301F-U	M 3.3K F 1/4W	ZD002	VSZMTZJ5.6B---U	ZENER DIODE
R7A7	VRCPTV4-331J-U	C 330 J 1/4W	ZD002	VSZRD5.6EB---U	ZENER DIODE 2nd
R7A8	VRCPTV4-101J-U	C 100 J 1/4W	ZD003	VSZMTZJ5.6B---U	ZENER DIODE
R7C0	VRCMTV2-104J-U	C 100K J 1/2W	ZD003	VSZRD5.6EB---U	ZENER DIODE 2nd
R7C1	VRCPTV4-100J-U	C 10 J 1/4W	ZD005	VSZMTZJ5.6B---U	ZENER DIODE
R7C2	VRCPTV4-473J-U	C 47K J 1/4W	ZD005	VSZRD5.6EB---U	ZENER DIODE 2nd
R7E0	VRCPTV4-243J-U	C 24K J 1/4W	ZD006	VSZMTZJ5.6B---U	ZENER DIODE
R7E1	VRCPTV4-471J-U	C 470 J 1/4W	ZD006	VSZRD5.6EB---U	ZENER DIODE 2nd
R7E2	VRCPTV4-472J-U	C 4.7K J 1/4W	ZD007	VSZMTZJ5.1B---U	ZENER DIODE
R7E3	VRCMTV2-1R0J-U	C 1 J 1/2W	ZD007	VSZRD5.1EB2---U	ZENER DIODE 2nd
R7E4	VRCMTV2-100J-U	C 10 J 1/2W	ZD008	VSZMTZJ5.1B---U	ZENER DIODE
R7F5	VRCPTV4-824J-U	C 820K J 1/4W	ZD008	VSZRD5.1EB2---U	ZENER DIODE 2nd
R7F5A	VRCPTV4-474J-U	C 470K J 1/4W	ZD009	VSZMTZJ5.6B---U	ZENER DIODE
R7F6	VRCPTV4-563J-U	C 56K J 1/4W	ZD009	VSZRD5.6EB---U	ZENER DIODE 2nd
R7F7	VRCPTV4-223J-U	C 22K J 1/4W	ZD010	VSZMTZJ5.6B---U	ZENER DIODE
R7F9	VRCMTV2-100J-U	C 10 J 1/2W	ZD010	VSZRD5.6EB---U	ZENER DIODE 2nd
R7G1	VRCPTV4-123J-U	C 12K J 1/4W	ZD012	VSZMTZJ5.6B---U	ZENER DIODE
R7G2	VRCPTV4-472J-U	C 4.7K J 1/4W	ZD012	VSZRD5.6EB---U	ZENER DIODE 2nd
R7G4	VRCPTV4-132J-U	C 1.3K J 1/4W	ZD016	VSZMTZJ7.5B---U	ZENER DIODE
R7J1	VRCPTV4-222J-U	C 2.2K J 1/4W	ZD016	VSZRD7.5EB2---U	ZENER DIODE 2nd
R7J3	VRCPTV4-222J-U	C 2.2K J 1/4W	ZD018	VSZMTZJ7.5B---U	ZENER DIODE
R901	VRCMTV2-564J-U	C 560K J 1/2W	ZD018	VSZRD7.5EB2---U	ZENER DIODE 2nd
R903	VRNMK03-222J--	N 2.2K J 3W	ZD019	VSZMTZJ7.5B---U	ZENER DIODE
R904	VRNMK03-222J--	N 2.2K J 3W	ZD019	VSZRD7.5EB2---U	ZENER DIODE 2nd
R906	VRCMTV2-120J-U	C 12 J 1/2W	ZD702	VSZMTZJ3.9B---U	ZENER DIODE
R907	VRNMK01-474J--	N 470K J 1W	ZD702	VSZRD3.9EB2---U	ZENER DIODE 2nd
R908	VRNMK01-333J--	N 33K J 1W	ZD703	VSZMTZJ5.1B---U	ZENER DIODE
R909	VRNMK01-333J--	N 33K J 1W	ZD703	VSZRD5.1EB2---U	ZENER DIODE 2nd
R916	VRCPTV4-101J-U	C 100 J 1/4W	ZD704	QJUM-1045D8100-	JUMPER
R917	VRCMTV2-220J-U	C 22 J 1/2W	ZD705	VSZMTZJ9.1B---U	ZENER DIODE
R918	VRMPTV4-101J-U	M 100 J 1/4W	ZD705	VSZRD9.1EB2---U	ZENER DIODE 2nd
R926	VRCMTV2-101J-U	C 100 J 1/2W	ZD706	VSZMTZJ36B---U	ZENER DIODE
R927	VRCPTV4-222J-U	C 2.2K J 1/4W	ZD707	VSZMTZJ6.8B---U	ZENER DIODE
R951	VRNMK02-682J--	N 6.8K J 2W	ZD707	VSZRD6.8EB2---U	ZENER DIODE 2nd
R957	VRMPTV4-473J-U	M 47K J 1/4W	ZD719	VSZMTZJ9.1B---U	ZENER DIODE
R958	VRMPTV4-222J-U	M 2.2K J 1/4W	ZD719	VSZRD9.1EB2---U	ZENER DIODE 2nd
R959	VRNMK02-3R3J--	N 3.3 J 2W	ZD901	VSZMTZJ3.9B---U	ZENER DIODE
R960	VRCPTV4-103J-U	C 10K J 1/4W	ZD901	VSZRD3.9EB2---U	ZENER DIODE 2nd
R961	VRCPTV4-103J-U	C 10K J 1/4W	ZD903	VSZMTZJ8.2B---U	ZENER DIODE
R962	VRCMTV2-681J-U	C 680 J 1/2W	ZD905	VSDP6KE200A---U	DIODE
R963	VRCPTV4-153J-U	C 15K J 1/4W		LANGK1751D8M-C	LANGLE
R964	VRCPTV4-332J-U	C 3.3K J 1/4W		LHLDP1296D8---	HOLDER PCB
R965	VRCPTV4-223J-U	C 22K J 1/4W		LHLDP1305D8---	HOLDER PCB
R966	VRCPTV4-103J-U	C 10K J 1/4W		PSLDM6226D8M--A	INSULATOR
R970	VRCPTV4-122J-U	C 1.2K J 1/4W		QFSHC1002D8---A	FUSE HOLDER 2nd
R971	VRMPTV4-152J-U	M 1.5K J 1/4W		QFSHC1002D8--JA	FUSE HOLDER
R972	VRMPTV4-472J-U	M 4.7K J 1/4W		QPIN-0992-1----	PIN
R973	VRCPTV4-102J-U	C 1K J 1/4W		QTMLW0002-8204-	TERMINAL WHITE WIRE
R974	VRCMTV2-821J-U	C 820 J 1/2W		TLAB-2865T8---	LABEL
R975	VRCPTV4-103J-U	C 10K J 1/4W		TLAB-4967D8---	LABEL
RL701	RRLYD1078D8DDJ-	RELAY 12V 10A		VCNCP0024----A	CONNECTOR 4 PIN
RL701	RRLYD1078D8DZJ-	RELAY 12V 10A 2nd		VSPL59YGC118L--	PHOTO DEVICE
RL901	RRLYD1075D8DXG-	RELAY 12V 5A		VWT0R60T1-SW---	TIN
RL901	RRLYD1075D8DZG-	RELAY 12V 5A 2nd		VWT0R60V1-SW---	TIN 2nd
SO901	QSOCP1312D8---	POWER SOCKER		VXVBAD5V5V200--	VINYL WIRE
SW901	QSW-P1267D8---	SWITCH		VXVBAD5V5V260--	VINYL WIRE

	VXVDBC3-3-100--	VINYL WIRE	C323	VCEACU1AG107M-P	E 100U M 10V
	VXVGAD5V5V275--	VINYL WIRE	C324	VCIECN1HM104Z-A	SMT 50V .1uf Z
	VXVRAD5V5V260--	VINYL WIRE	C341	VCICCN1HG151J-A	SMT 150P J 50V
	VXVVAD5V5V160--	VINYL WIRE	C342	VCICCN1HG151J-A	SMT 150P J 50V
	VXVWAD5V5V170--	VINYL WIRE	D201	VSD1N4148----U	DIODE
	XJTSD40P08TV0--	SCREW	D202	VSD1N4148----U	DIODE
			D203	VSD1N4148----U	DIODE
	QPWB-3144D8----	VIDEO BOARD	D205	VSD1N4148----U	DIODE
	DPWBN7121D8V----	PWB-3144 ASSEMBLY	D206	VSD1SS83-----U	DIODE
B201	RCORA1021D8--HU	BEAD CORE	D208	VSD1N4148----A	DIODE
B231	RCORA1021D8--HU	BEAD CORE	D231	VSD1N4148----U	DIODE
B261	RCORA1021D8--HU	BEAD CORE	D232	VSD1N4148----U	DIODE
B291	RCORA5050D8--P	BEAD CORE	D233	VSD1N4148----U	DIODE
B301	QJUM-1045D8050-	JUMPER	D235	VSD1N4148----U	DIODE
B302	QJUM-1045D8100-	JUMPER	D236	VSD1SS83-----U	DIODE
B303	QJUM-1045D8050-	JUMPER	D238	VSD1N4148----A	DIODE
B304	RCORA5050D8--P	TIN	D261	VSD1N4148----U	DIODE
C201	VCEACU1HG106M-P	E 10U M 50V	D262	VSD1N4148----U	DIODE
C202	VCIECN1HM104Z-A	SMT .1U Z 50V	D263	VSD1N4148----U	DIODE
C203	VCSFDU1EY104Z-P	S .1U 25V	D265	VSD1N4148----U	DIODE
C205	VCEACU1CG337M-P	E 330U M 16V	D266	VSD1SS83-----U	DIODE
C206	VCIECN1HM104Z-A	SMT .1U5 Z 50V	D268	VSD1N4148----U	DIODE
C207	VCSFDU1EY104Z-P	S .1U 25V	D304	VSDLYBA158----U	DIODE
C208	VCICCN1HG220J-A	SMT 22P J 50V	G2	VCNCP4201----U	CONNECTOR 1 PIN
C210	VCICCN1HG330J-A	SMT 33P J 50V	I101	VSIMM1382XD----	IC 28PIN
C213	VCEACU2AG105M-P	E 1U M 100V	I102	VSIOSSD5259-1--	IC 16PIN
C214	VCEACU2AG106M-P	E 10U M 100V	J01	QJUM-1045D8100-	JUMPER
C215	VCIRBN2AB102K-A	SMT 1000P K 100V	J02	QJUM-1045D8075-	JUMPER
C216	VCKBDU2HY222K-P	C 2200P K 500V	J03	QJUM-1045D8050-	JUMPER
C231	VCEACU1HG106M-P	E 10U M 50V	J04	QJUM-1045D8075-	JUMPER
C232	VCIECN1HM104Z-A	SMT .1U Z 50V	J05	QJUM-1045D8075-	JUMPER
C233	VCSFDU1EY104Z-P	S .1U 25V	J06	QJUM-1045D8075-	JUMPER
C235	VCEACU1CG337M-P	E 330U M 16V	J07	QJUM-1045D8075-	JUMPER
C236	VCIECN1HM104Z-A	SMT .1U Z 50V	J08	QJUM-1045D8050-	JUMPER
C237	VCEACU1CG476M-P	E 47U M 16V	J09	QJUM-1045D8050-	JUMPER
C238	VCICCN1HG470J-A	SMT 47P J 50V	J10	RCORA5050D8--P	BEAD CORE
C240	VCICCN1HG220J-A	SMT 22P J 50V	J11	QJUM-1045D8100-	JUMPER
C241	VCIECN1HM104Z-A	SMT .1U Z 50V	J12	QJUM-1045D8100-	JUMPER
C243	VCEACU2AG105M-P	E 1U M 100V	J13	QJUM-1045D8075-	JUMPER
C244	VCEACU2AG106M-P	E 10U M 100V	J14	QJUM-1045D8075-	JUMPER
C245	VCIRBN2AB102K-A	SMT 1000P K 100V	J15	QJUM-1045D8100-	JUMPER
C246	VCKBDU2HY222K-P	C 2200P K 500V	L200	VL-EH1R2K0000-U	PEAKING COIL
C261	VCEACU1HG106M-P	E 10U M 50V	L202	VL-EH1R0K0000-U	PEAKING COIL
C262	VCIECN1HM104Z-A	SMT .1U Z 50V	L230	VL-EH1R2K0000-U	PEAKING COIL
C263	VCSFDU1EY104Z-P	S .1U Z 25V	L232	VL-EH1R0K0000-U	PEAKING COIL
C265	VCEACU1CG477M-P	C 470U M 16V	L260	VL-EH1R2K0000-U	PEAKING COIL
C266	VCIECN1HM104Z-A	SMT .1U Z 50V	L262	VL-EH1R0K0000-U	PEAKING COIL
C267	VCIECN1HM104Z-A	SMT .1U Z 50V	P201	VCNCP0046-JJST-	CONNECTOR 6 PIN
C268	VCICCN1HG220J-A	SMT 22P J 50V	P203	QCNWP0807-8015-	CONNECTOR 7 PIN
C270	VCICCN1HG270J-A	SMT 27P J 50V	P203A	QCNWP0807-8015-	CONNECTOR 7 PIN
C271	VCIECN1HM104Z-A	SMT .1U Z 50V	P204	VCNCP090ASEJST-	CONNECTOR
C273	VCEACU2AG105M-P	E 1U M 100V	Q200	PRDAA0007D8W--A	RADIATOR
C274	VCEACU2AG106M-P	E 10U M 100V	Q200	VST2SC3953E--E-	TRANSISTOR
C275	VCIRBN2AB102K-A	SMT 1000P K 100V	Q201	VSTPH2369----P	TRANSISTOR
C276	VCKBDU2HY222K-P	C 2200P K 500V	Q202	VSTBFV420----3P	TANSISTOR
C301	VCSFNT1EY104Z-U	S .1U Z 25V	Q203	VSTBFV421----3P	TRANSISTOR
C302	VCIRBN2AB103K-A	SMT 10000P K 100V	Q204	VSTBF423----3P	TRANSISTOR
C303	VCEACF2AG476M--	E 47U M 100V	Q204	VSTBF423----P	TRANSISTOR 2nd
C308	VCEACU1HG105M-P	E 1U M 50V	Q230	PRDAA0007D8W--A	RADIATOR
C309	VCIECN1HM104Z-A	SMT .1U Z 50V	Q230	VST2SC3953E--E-	TRANSISTOR
C311	VCIRCN1HB103M-A	SMT .01U M 50V	Q231	VSTPH2369----P	TRANSISTOR
C312	VCIRCN1HB103M-A	SMT .01U M 50V	Q232	VSTBFV420----3P	TANSISTOR
C313	VCEACU1HG106M-P	E 10U M 50V	Q233	VSTBFV421----3P	TRANSISTOR
C314	VCIECN1HM104Z-A	SMT .1U Z 50V	Q234	VSTBF423----3P	TRANSISTOR
C315	VCKBDU2HY102K-P	C 1000P K 500V	Q234	VSTBF423----P	TRANSISTOR 2nd
C316	VCKBEF3AY102K--	C 1000P K 1KV	Q260	PRDAA0007D8W--A	RADIATOR
C317	VCIRCN1HB102K-A	SMT 1000P K 50V	Q260	VST2SC3953E--E-	TRANSISTOR
C318	VCIRCN1HB103M-A	SMT .01U M 50V	Q261	VSTPH2369----P	TRANSISTOR
C319	VCIRCN1HB102K-A	SMT 50V 1000pf K	Q262	VSTBFV420----3P	TANSISTOR
C321	VCEACU1AG107M-P	E 100U M 10V	Q263	VSTBFV421----3P	TRANSISTOR
C322	VCSFNT1EY104Z-U	S .1U Z 25V	Q264	VSTBF423----3P	TRANSISTOR

Q264	VSTBF423----P	TRANSISTOR 2nd	R283	VRMBNV4--183J-A	SMT 18K J 1/4W
Q303	VST2SC1815Y--P	TRANSISTOR	R284	VRMBNV4--473J-A	SMT 47K J 1/4W
R201	VRMPTV4-75R0F-U	M 75 F 1/4W	R285	VRMBNV4--102J-A	SMT 1K J 1/4W
R202	VRMBNV4--473J-A	SMT 47K J 1/4W	R286	VRCPTV4--303J-U	C 30K J 1/4W
R203	VRMPTV6--470J-U	M 47 J 1/6W	R287	VRCPT01--680J-U	C 68 J 1W
R205	VRMPTV6--220J-U	M 22 J 1/6W	R291	VRMPTV6--101J-U	M 100 J 1/6W
R206	VRMPTV6-3000F-U	M 300 F 1/6W	R292	VRCMTV2--471J-U	C 470 J 1/2W
R207	VRMBNV4--470J-A	SMT 470 J 1/4W	R300	VRMBNV4--103J-A	SMT 10K J 1/4W
R208	VRNMJ05--122J--	N 1.2K J 5W	R310	VRMBNV4--101J-A	SMT 100 J 1/4W
R211	VRMBNV4--221J-A	SMT 220 J 1/4W	R311	VRMBNV4--101J-A	SMT 100 J 1/4W
R213	VRMBNV4--100J-A	SMT 10 J 1/4W	R312	VRMBNV4--101J-A	SMT 100 J 1/4W
R214	VRMBNV4--101J-A	SMT 100 J 1/4W	R313	VRMBNV4--101J-A	SMT 100 J 1/4W
R215	VRMPTV4-91R0F-U	M 91 F 1/4W	R314	VRMBNV4--471J-A	SMT 470 J 1/4W
R216	VRMBNV4--471J-A	SMT 470 J 1/4W	R315	VRMBNV4--102J-A	SMT 1K J 1/4W
R217	VRMBNV4--220J-A	SMT 22 J 1/4W	R316	VRMBNV4--102J-A	SMT 1K J 1/4W
R218	VRMBNV4--220J-A	SMT 22 J 1/4W	R317	VRMBNV4--102J-A	SMT 1K J 1/4W
R219	VRCMTV2--1R0J-U	C 1 J 1/2W	R318	VRCPTV4--101J-U	C 100 J 1/4W
R220	VRMBNV4--105J-A	SMT 1M J 1/4W	R319	VRCPTV4--102J-U	C 1K J 1/4W
R221	VRMPTV6--101J-U	M 100 J 1/6W	R320	VRCPT01--101J-U	R 100 J 1W
R222	VRMBNV4--302J-A	SMT 3K J 1/4W	R320	VRSPV2--101J-U	S 100 J 1/2W 2nd
R223	VRMBNV4--183J-A	SMT 18K J 1/4W	R321	VRCPT01--564J-U	C 560K J 1W
R224	VRMBNV4--473J-A	SMT 47K J 1/4W	R321	VRSPV2--564J-U	S 560K J 1/2W 2nd
R225	VRMBNV4--102J-A	SMT 1K J 1/4W	R330	VRMBNV4--151J-A	SMT 150 J 1/4W
R226	VRCPTV4--303J-U	C 30K J 1/4W	R331	VRMBNV4--105J-A	SMT 1M J 1/4W
R227	VRCPT01--680J-U	C 68 J 1W	R332	VRMBNV4--562J-A	SMT 5.6K J 1/4W
R228	VRMPTV4-9101F-U	M 9.1K F 1/4W	R333	VRMBNV4--562J-A	SMT 5.6K J 1/4W
R229	VRMBNV4--102J-A	SMT 1K J 1/4W	R334	VRMBNV4--103J-A	SMT 10K J 1/4W
R231	VRMPTV4-75R0F-U	M 75 F 1/4W	R335	VRMBNV4--473J-A	SMT 47K J 1/4W
R232	VRMBNV4--473J-A	SMT 47K J 1/4W	R336	VRMBNV4--103J-A	SMT 10K J 1/4W
R233	VRMPTV6--470J-U	M 47 J 1/6W	R341	VRMBNV4--101J-A	SMT 100 J 1/4W
R235	VRMPTV4--220J-U	M 22 J 1/4W	R342	VRMBNV4--101J-A	SMT 100 J 1/4W
R236	VRMPTV6-3000F-U	M 300 F 1/6W	R344	VRMBNV4--473J-A	SMT 47K J 1/4W
R237	VRMBNV4--470J-A	SMT 470 J 1/4W	R345	VRMBNV4--102J-A	SMT 1K J 1/4W
R238	VRNMJ05--122J--	N 1.2K J 5W	R346	VRMBNV4--103J-A	SMT 10K J 1/4W
R241	VRMBNV4--221J-A	SMT 220 J 1/4W	R347	VRMBNV4--103J-A	SMT 10K J 1/4W
R243	VRMBNV4--221J-A	SMT 220 J 1/4W	R348	VRMBNV4--102J-A	SMT 1K J 1/4W
R244	VRMBNV4--101J-A	SMT 100 J 1/4W	R349	VRMBNV4--102J-A	SMT 1K J 1/4W
R245	VRMPTV4-91R0F-U	M 91 F 1/4W	S304	QSPG-1008D8----	SPARK-GAP
R246	VRMBNV4--100J-A	SMT 10 J 1/4W	VR225	RVRSV6022D8203-	VR 20K
R247	VRMBNV4--220J-A	SMT 22 J 1/4W	VR255	RVRSV6022D8203-	VR 20K
R248	VRMBNV4--220J-A	SMT 22 J 1/4W	VR285	RVRSV6022D8203-	VR 20K
R249	VRCMTV2--1R0J-U	C 1 J 1/2W	ZD33	VSZMTZJ5.1B---U	ZENER DIODE
R250	VRMBNV4--105J-A	SMT 1M J 1/4W		QSOCC1346D8----	CRT SOCKET
R251	VRMPTV6--101J-U	M 100 J 1/6W		QSOCC1355D8----	CRT SOCKET 2nd
R252	VRMBNV4--302J-A	SMT 3K J 1/4W		SPAKC2571D8----	CARTON
R253	VRMBNV4--183J-A	SMT 18K J 1/4W		SSAKH1346D8----	SACK
R254	VRMBNV4--473J-A	SMT 47K J 1/4W		TLAB-4967D8----	LABEL
R255	VRMBNV4--102J-A	SMT 1K J 1/4W		VWT0R60T1-SW---	TIN
R256	VRCPTV4--303J-U	C 30K J 1/4W		VWT0R60V1-SW---	TIN 2nd
R257	VRCPT01--680J-U	C 68 J 1W		XJASD30P08000--	SCREW
R258	VRMBNV4--562J-A	SMT 5.6K J 1/4W			
R259	VRMPTV6--152J-U	M 1.5K J 1/6W		QPWB-3114D8--1-	CONTROL BOARD
R260	VRMBNV4--221J-A	SMT 220 J 1/4W		DPWBN0712D8KP--	PWB-3114 ASSEMBLY
R261	VRMPTV4-75R0F-U	M 75 F 1/4W	P002A	QCNWP0904-8003-	CONNECTOR WITH WIRE
R262	VRMBNV4--473J-A	SMT 47K J 1/4W	R101	VRMPTV4-1002F-U	M 10K F 1/4W
R263	VRMPTV6--470J-U	M 47 J 1/6W	R102	VRMPTV4-2701F-U	M 2.7K F 1/4W
R265	VRMPTV6--220J-U	M 22 J 1/6W	R103	VRMPTV4-4701F-U	M 4.7K F 1/4W
R266	VRMPTV6-3000F-U	M 300 F 1/6W	R104	VRMPTV4-8201F-U	M 8.2K F 1/4W
R267	VRMBNV4--470J-A	SMT 470 J 1/4W	R105	VRMPTV4-1002F-U	M 10K F 1/4W
R268	VRNMJ05--122J--	N 1.2K J 5W	R106	VRMPTV4-2701F-U	M 2.7K F 1/4W
R271	VRMBNV4--221J-A	SMT 220 J 1/4W	R107	VRMPTV4-4701F-U	M 4.7K F 1/4W
R273	VRMBNV4--120J-A	SMT 12 J 1/4W	R108	VRMPTV4-8201F-U	M 8.2K F 1/4W
R274	VRMBNV4--101J-A	SMT 100 J 1/4W	SW1	QSW-A1073D8----	TACT SWITCH
R275	VRMPTV4-91R0F-U	M 91 F 1/4W	SW2	QSW-A1073D8----	TACT SWITCH
R276	VRMBNV4--471J-A	SMT 470 J 1/4W	SW3	QSW-A1073D8----	TACT SWITCH
R277	VRMBNV4--220J-A	SMT 22 J 1/4W	SW4	QSW-A1073D8----	TACT SWITCH
R278	VRMBNV4--220J-A	SMT 22 J 1/4W	SW5	QSW-A1073D8----	TACT SWITCH
R279	VRCMTV2--1R0J-U	C 1 J 1/2W			
R280	VRMBNV4--105J-A	SMT 1M J 1/4W		TLAB-4862D8----	LABEL
R281	VRMBNV4--101J-A	SMT 100 J 1/4W		TLAB-4967D8----	LABEL
R282	VRMPTV6--302J-U	M 3K J 1/6W			

GCABA1375D8F-B7	FRONT COVER	QCODS1201D8--BB	D-SUB DDC SIGNAL CABI
GCABB1376D8F--O	BREAR COVER	QEAR-1141D8W---	EARTH PARTS
GCOVD1188D8F---	COVER	QJUM-1050T8----	JUMPER
GSTN-2086D8F--L	STAND	RCILG1049D8--P	ADG COIL
GSTN-2087D8F--L	STAND	RCILG1095D8---	TILT COIL 2nd
HDECP1823D8F---	HPLDER PCB	RCILG1135D8---	TILT COIL
JKNBP1746D8F---	KNOB	SPAKA2553D8F---	POLY FOAM
JKNBP1750D8F--H	KNOB	SPAKC2574D8----	CARTON
LANG-1705D8---	LANGLE	SSAKD0010-1-T-C	SACK
LANGF1764D8----	LANGLE	SSAKH1292D8----	SACK
LHLDE1019D8F---	HOLDER	TCAD-1205D8---	TCO99 CARD
LHLDP1317D8F--A	HOLDER PCB	TINSE2182D8--A	USER'S MANUAL
LHLDP1318D8F--A	HOLDER PCB	TLAB-4915D8---	LABEL
LHLDW0006-1----	HOLDER WIRE	TLABM3987D8T---	MODEL LABEL
LHLDW1092D8F---	HOLDER WIRE	TLABZ3774D8B---	LABEL
LX-BZ0040D8SD--	SCREW	TLABZ3883D8----	LABEL
PCUSG1414D8W--B	CUSHION	VBM41QAR361X132	CRT
PCUSG1434D8FW--	CUSHION	XBMSD40P10000--	SCREW
PISLV0173D8--A	INSULATOR	XEASD30P10000--	SCREW
PSLDM6242D8M---	INSULATOR	XETSD40P16000--	SCREW
QACC-1092D8D-D-	POWER CORD	XETSD40P30000--	SCREW
QCNWS0021-8178A	CONNECTOR WITH WIRE	XJASD30P06000--	SCREW
QCNWS0102-8029-	CONNECTOR WITH WIRE	XJTS40P08TV0--	SCREW
QCODB0130-8-17A	CORD	XWVSE43-12084--	SCREW

