ORDER NO. MTV9308034C2

Service Manual

Цветной Телевизор

TC–21E1R

Шасси MX–1A

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Panasonic

Specifications

Power Source : (AC) Auto110–240V. 50/60Hz

Power consumption : : 103 W
9.6 W (Stand–by condition)

Aerial Impedance : : 75 Ω unbalanced .
Coaxial type

Receiving System : Multi 17 systems

Receiving Channel :

VHF	2 – 12	PAL/SECAM B. G
	1 – 12	PAL/SECAM D
	1 – 11	PAL B (New zealand)
	1 – 12	NTSC M Japan
	2 – 13	NTSC M U.S.A
UHF	21 – 69	PAL B. G I/SECAM B. G. K1
	28 – 69	PAL G (Australia)
	13 – 56	PAL D
	13 – 62	NTSC M Japan
	14 – 69	NTSC M U.S.A
CATV	S1 – S20	

Intermediate Frequency : :

Video	38.00 MHz
Sound	31.50 MHz (D. K. K1)
	32.00 MHz (I)
	32.50 MHz (B. G)
	33.50 MHZ (M)
Colour	33.57 MHz (PAL)
	33.60 MHz (SECAM)
	33.75 MHz (SECAM)
	34.42 MHz (NTSC)

Video / Audio Terminals :

AV In :	Video In	1 Vp–p. 75Ω
	Audio In	Approx. 400mV
TV Out :	Video In	1 Vp–p. 75Ω
	Audio In	Approx. 400mV

High Voltage : 28.5kV(+1.2, –1.5)
at zero beam current

Picture tube : A51JXS95X 54cm(21") measured diagonally, 90 deflection.

Audio output : 4.0 W (Max)

Speaker : 9.65 X 5cm, 16Ω

Dimensions : Height : 469.0 mm
Widht : 509.0 mm
Depth : 492.0 mm

Mass : 21.50 kg (Net)

Remote Controller : 33 Functions Infrared controller

Specifications are subject to change without notice.
Mass and dimensions shown are approximate.

Технические характеристики

Источник питания: (Перемен. ток) Авто., 110–240 В. 50/60 Гц.

Расход мощности: 103 Вт.,
9,6Вт. (в режиме внаготове)

Полное сопротивление антенны: 75 Ом, несбалансированное. Коаксиального типа.

Приёмная система: 17 многосистемный.

Принимаемыемые каналы:

Полоса ВВЧ	2–12 ПАЛ/СЕКАМ B,G 1–12ПАЛ/СЕКАМ D 1–11ПАЛ B(Новая Зиландия) 1–12НТСЦ M ЯПОНИЯ 2–13НТСЦ M США
Полоса СВЧ	21–69ПАЛ B,G,I/СЕКАМ B,G,K1 28–69ПАЛ G (Австралия) 13–57ПАЛ D 13–62НТСЦ M ЯПОНИЯ 11–69НТСЦ M США
Кабельное ТВ	S1-S20

Промежуточная частота:

Видео	38,0	Мгц.
Звук	31,5	Мгц. (D, K, K1)
	32,0	Мгц. (1)
	32,5	Мгц. (B,G)
	33,5	Мгц. (M)
Цвет	33,57	Мгц. (ПАЛ)
	33,6	Мгц. (СЕКАМ)
	33,75	Мгц. (СЕКАМ)
	34,42	Мгц. (НТСЦ)

Разъёмы соединения Аудио/Видео:

Ау./ Ви. входы:	Видео вход	1 В размерах, 75 ом.
	Звуковой вход	Приб. 400мВ.
ТВ выход:	Видео вход	1 В размерах, 75 ом.
	Звуковой вход	Приб. 400мВ.

Высокое напряжение: 28,5 кВ. (+1,2 –1,5) при нулевом токе

Кинескоп: A51JXS95X54см. (21") по диагонали, 90 отклонение.

Выходная звуковаямощность: 4.0Вт.(Макс.)

Громкоговоритель: 9,65x5см, 16ом

Размеры: Высота: 502,5 мм
Ширина: 520,0 мм
Глубина: 485,5 мм

Вес: 22,96 кг.(Нетто)

Передатчик дистанционного управления: Инфракрасный с 33 клавишами.

Спецификации могут быть изменены без предварительного извещения. Вес и размеры приведены приблизительно.

Shut Down Circuit Test

This test must be made as a final check before the set is returned to the customer.

1. Operates the TV set.
2. Set Controls:
   Screen (on FBT) .....minimum
   Contrast .....minimum
   Colour .....minimum
3. Connect a DC voltmeter to cathode of D523, and confirm that the voltage reading is 26.8V. or less.
4. Supply 28.1 V DC to cathode of D523 and confirm that the shut down circuit dose not operate.
5. Supply 31.3 V DC to cathode of D523 and confirm that the shut down circuit operates.
6. Switch the set off and disconnect the DC supply. Switch the set on and Normalize the contrast and colour.

Проверка отключающей схемы

Это испытание необходимо провести как окончательную проверку перед возвращением телевизора покупателю.

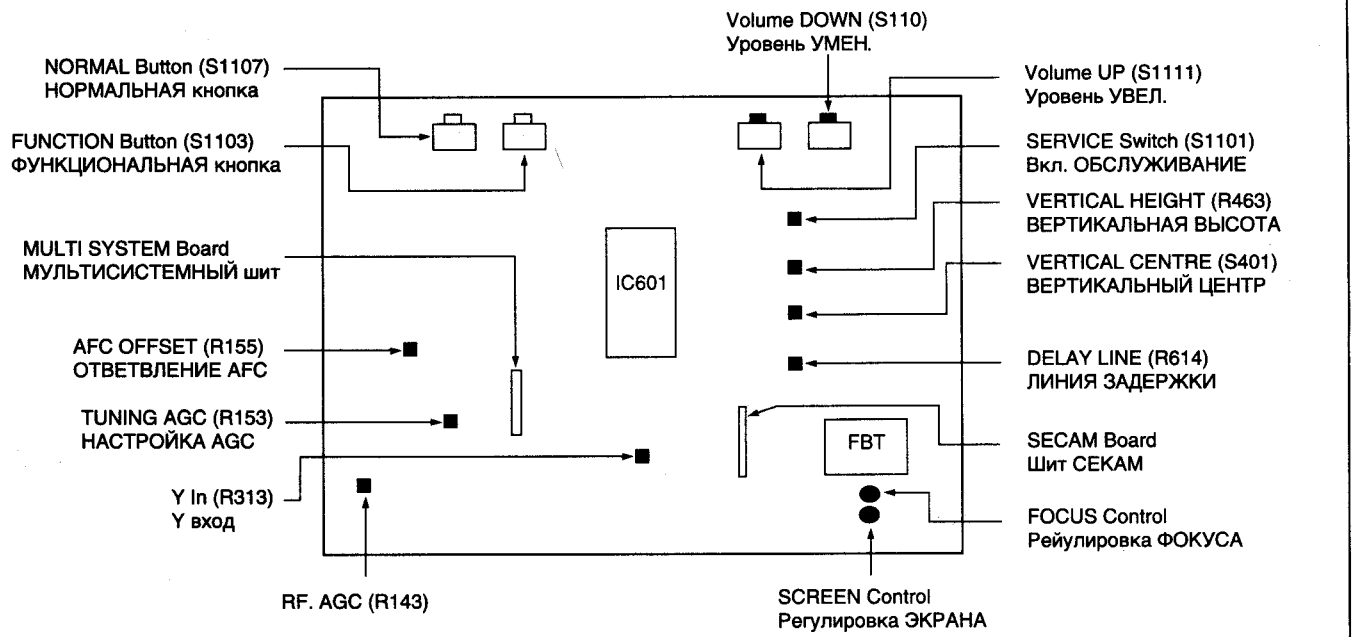
1. Включить установку ТВ.
2. Установить регуляторы:

   Экран (на FBT) .....мин.
   Контраст.....мин.
   Цвет .....мин.
3. Подсоединить вольтметр пост. тока к катоду D523 и убедиться, что показание напряжения 26.8 В или меньше.
4. Подать 28,1 В. постоянного тока к катоду D523 и убедиться, что отключающая цепь не срабатевает.
5. Подать 31,3 В. постоянного тока к катоду D523 и убедиться, что отключающая цепь срабатевает.
6. Выключите аппарат и отсоедините питание пост. тока. Включите аппарат и Нормализуйте контраст и цвет.

Location of Controls

Расположение регуляторов

< Top View of E-Board >
< Шит–Е, вид сверху >



MX–1A Chassis Block Diagram

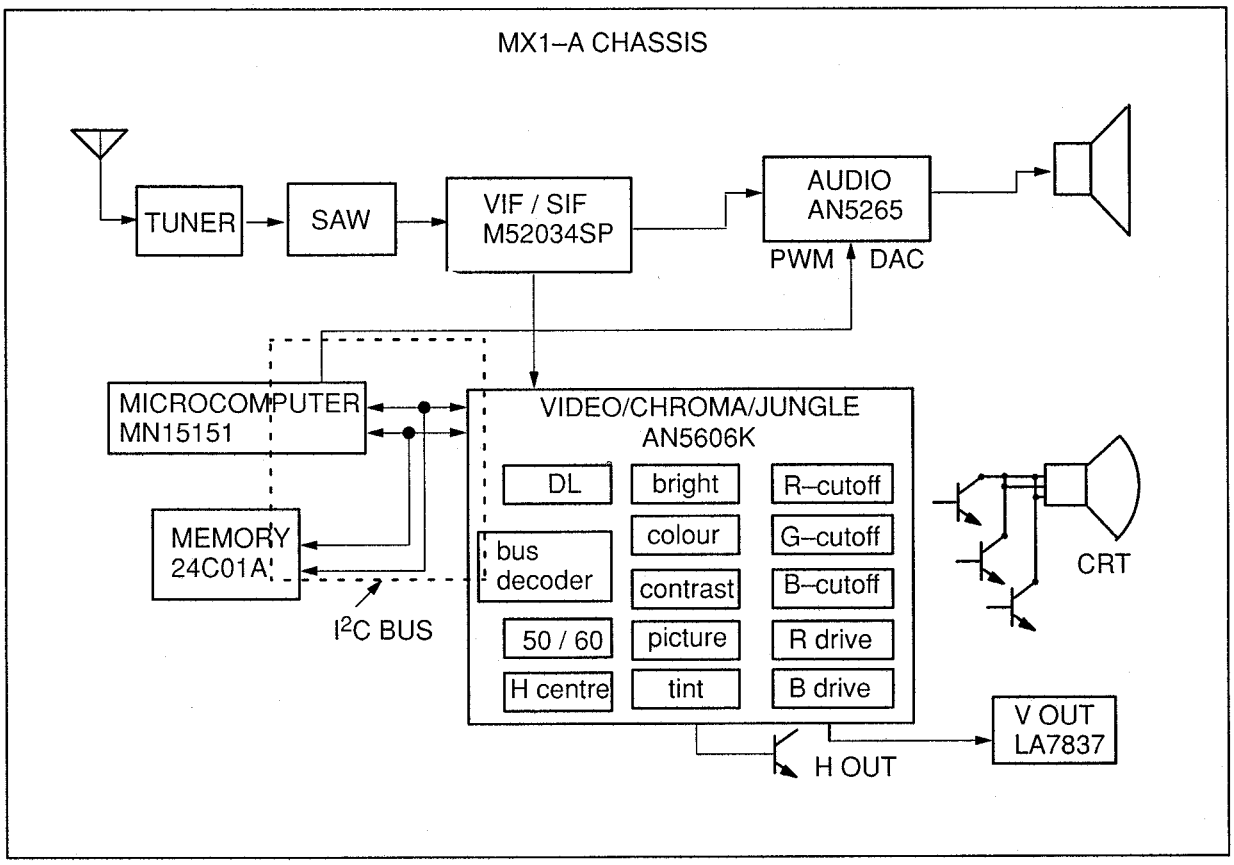


Fig. 2

The I^2C Bus Concept :

A. Features

1. The I^2C bus is a 2 – wire serial bus consisting of a clock line (SCL) and a data line (SDA).
2. It allows bi – directional data transfer, between IC's.
3. It consists of a master and one or more slave IC's.

– The master initiates transfer and generates clock signals.
– The slave is the IC addressed by a master.

B. Basic Format of the I²C Data transmission from the microcomputer (1102) to the IC601.

1. Transfer Timing

During transmission from the microcomputer to IC601, 12 bytes of each of the following types of information is transferred one at a time:

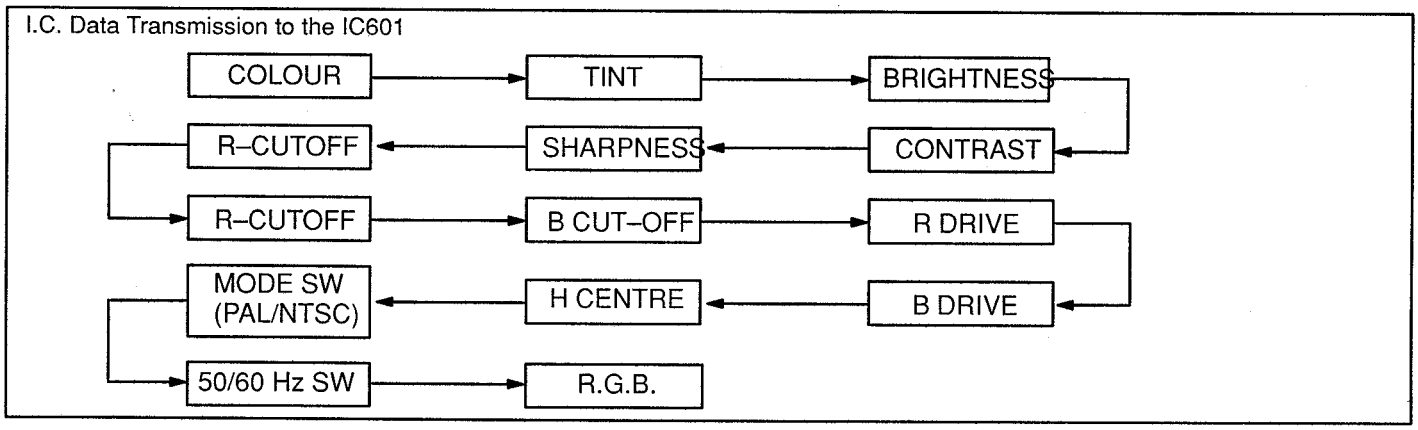


Fig. 4

2. Format

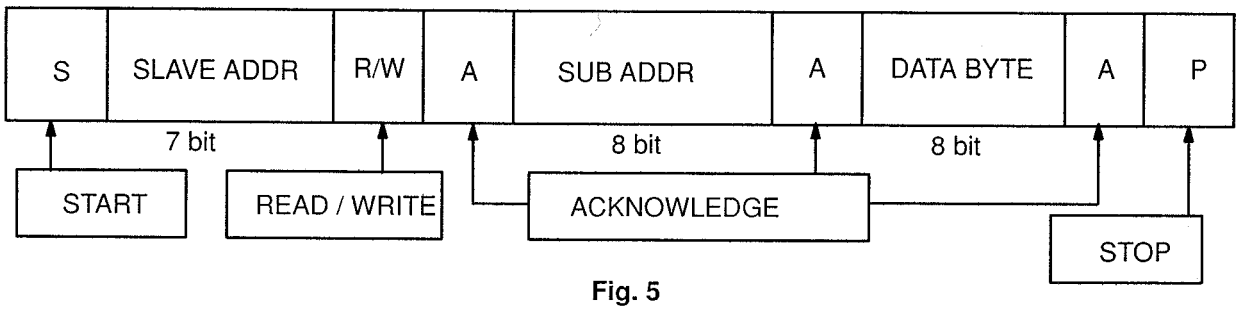


Fig. 5

C. I²C Application in the MX–1A Chassis.

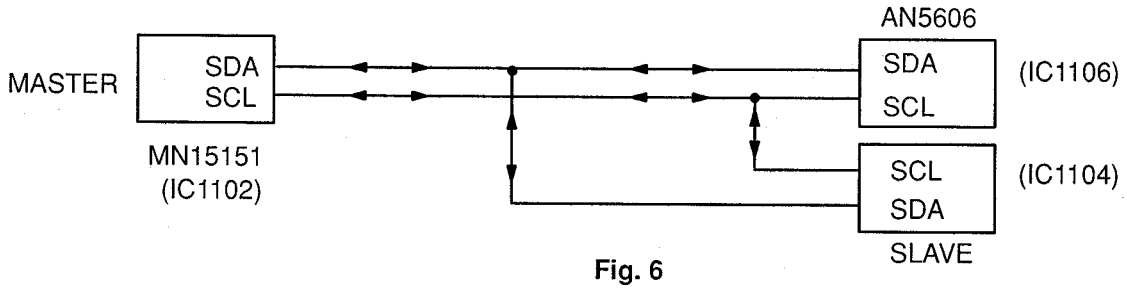


Fig. 6

During transfer the microcomputer IC1102 in the TV set is always the master device. IC601 and IC1104 are slave addressed by IC1102.

1. Various control functions are possible via the I²C bus from the microcomputer IC1102 to VCJ IC601, as shown in Fig. 4.
2. Data like position, BT voltage, band, AFC, skip, volume, recall, power and off timer setting, service mode setting, colour setting, function etc, are stored and read out from the EEPROM IC1104 via the I²C bus.

2. How to set the Factory Mode for adjustment.

Follow the Steps shown in the block diagram below to set the Factory Mode for sub–colour; sub–bright; sub–contrast; RGB low–light and RGB high–light adjustments and return to Normal mode after adjustment.
When the IC601(VCJ) or IC1104 are replaced, these adjustment must be done as below.

The Sub Adjustment mode.

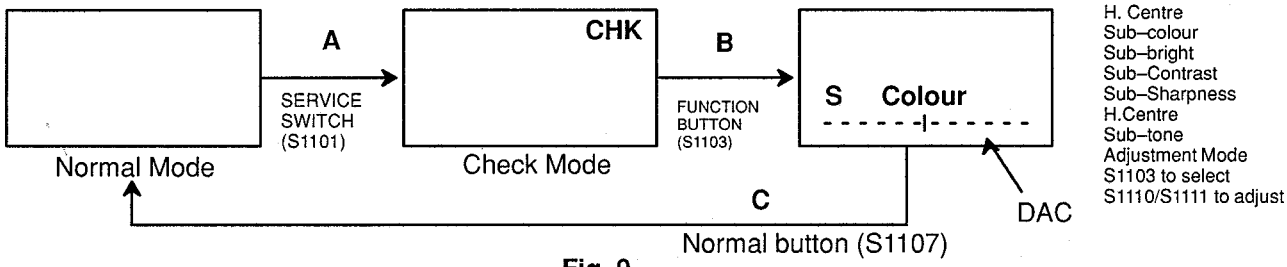


Fig. 9

A: Press the Service Switch (S1101).
The TV in the Normal mode changes to check mode. "CHK" will appear on the screen as shown in Fig. 9.

B: Press the Function button (S1103) to select the required adjustment to be adjusted as shown in Fig. 9.
Press the Volume "up" or "down" button (S1110 & S1111) to change the DAC level.

C: Press the Normal button (S1107, after the DAC indication disappears) to return to Normal mode.

The CRT Adjustment mode.

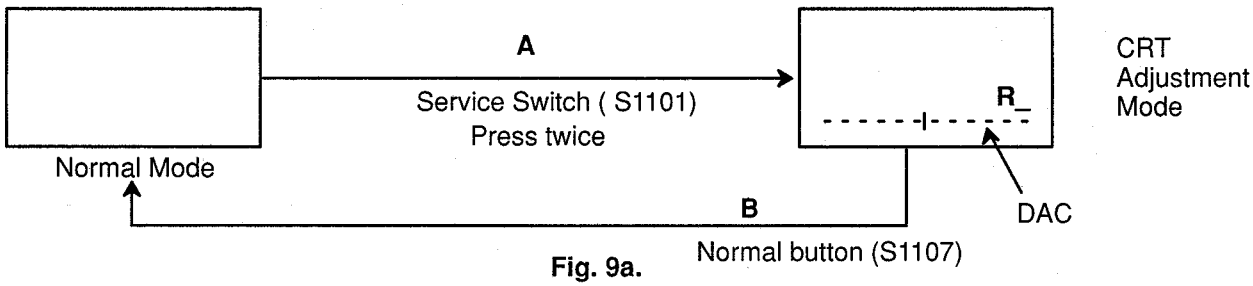


Fig. 9a.

A: Press the Service Switch (S1101) twice.The TV in the Normal mode changes to the CRT Adjustment mode.
Press the Function button (S1103) to select the required adjustment to be adjusted as shown in Fig. 9a.
(Please refer to procedure on page 12).
Press the Volume "up" or "down" button (S1110 & S1111) to change the DAC level.

B: Press the Normal button (S1107) to return to Normal mode.

The White Balance Adjustment mode.

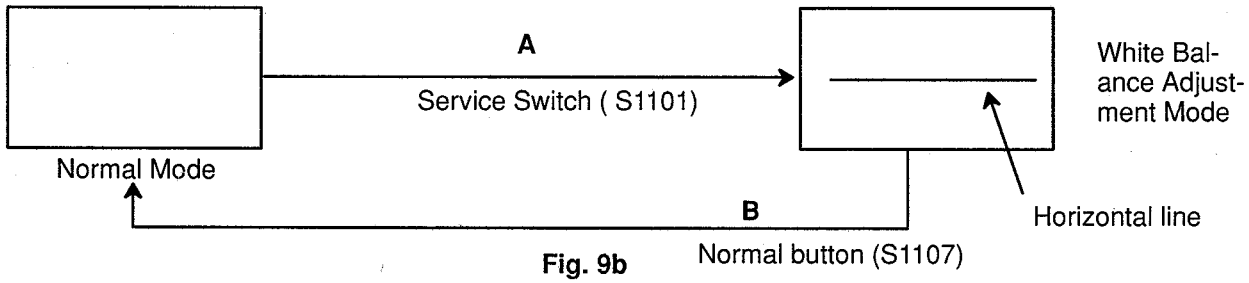


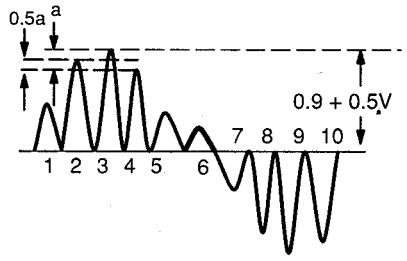
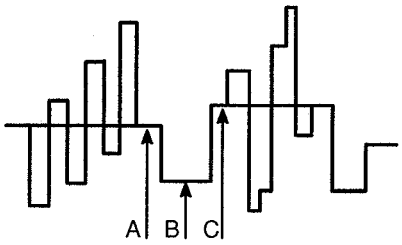
Fig. 9b

A: Press the Service Switch (S1101) twice.The TV in the Normal mode changes to the CRT Adjustment mode.
Then press the Service Switch once more to enter White Balance Adjustment mode.
(Please refer to procedure on page 12).
Press the Volume "up" or "down" button (S1110 & S1111) to change the DAC level.

B: Press the Normal button (S1107) to return to Normal mode.

Adjustment Procedure

Item / Preparation	Adjustment Procedure
B Voltage 1. Operate the TV set. 2. Set control as follow: Brightness ..... minimum Contrast ..... minimum	Confirm the DC voltages at the indicated test points, as follow: D807 : 142.0 ± 2.0 V TP8 : 12.0 ± 1.0 V TPE4 : 26.0 ± 1.5 V Pin–1 of E33 : 200.0 ± 15.0 V TP6 : 5.0 ± 0.5 V TP 9 : 9.0 ± 1.0V
Tuning AFC and AFC offset 1. Operate the TV set and disconnect on aerial. 2. Connect a jumper lead between TPE10 and TP 8 to mute the normal tuning AFC. Connect a DC voltmeter to TPE 13 and earth. 3. Connect a DC voltmeter to TP 1.	1. Adjust tuning AFC Control (R153) for 2.7 (+ 0.1, –0.5) V. 2. Connect the DC voltmeter to TPE 11. 3. Adjust AFC offset control (R155) for 5.5V ± 0.2 at TPE 11.
RF AGC **A. Workshop** 1. Receive a colour bar signal at an RF level of 55± 2dBμ (+ 289.9μV,– 230.8μV) with 75Ω loaded. 2. Connect an oscilloscope to TPE 12, set to DC mode. **B. Field** 1. Receive the television broadcast channel known to have the weakest RF signal strength.	1. Turn RF AGC control (R143) fully clockwise. 2. Slowly turn RF Control counterclockwise to set it at the point just before voltage at TPE 12 begins to drops. 1. Turn RF AGC control (R143) such as to produce a snowy picture. 2. Slowly turn back R143 off until the snow (picture noise) disappears. 3. Check the remaining broadcast channels for either snow or AGC overload and readjust R143 if necessary.
High Voltage 1. Operate the TV set. 2. Set controls as follow: Brightness ..... minimum Contrast ..... minimum	1. Connect a DC voltage meter to D807(c) and confirm the voltage is 142.0 ± 2.0 V. 2. Connect a high voltage meter to anode of the picture tube. 3. Confirm that the high voltage is within the range of 28.5 (+ 1.2, –1.5) kV. 4. Normalize the brightness and contrast.
Delay Line 1. Receive a PAL colour bar signal. 2. Connect an oscilloscope to TP 18. 3. Normalize Colour and Contrast settings.	1. Adjust R614 to align the lower portion of the waveform shown in Fig. 12. 2. Adjust L603 to minimize the difference in levels between the higher portions of the waveform as shown in Fig. 12a. Hint : At the correct R614/L603 alignment the waveform seem on the oscilloscope becomes "stable". See Fig. 12 & 12a.

Item / Preparation	Adjustment Procedure	Waveform
M–NTSC Sub–Tint Adjustment Apply NTSC rainbow pattern. Connect a oscilloscope to TP17. Connect a short jumper between TPE and TP10. Press S1104 colour system SW to NTSC 4.43 . Colour . . . . . NORMAL or CENTRE Bright . . . . . NORMAL or CENTRE Contrast . . . . . NORMAL or MAX. Tint . . . . . NORMAL or CENTRE Press SERVICE SW (S1101), then press S1103 (FUNC.) to Sub–Tint . Confirm CHK display on screen.	Confirm the amplitude of waveform: 0.9 ± 0.5V. 1. Set Colour to control to maximum and confirm that the colour level is saturated enough. 2. Adjust Sub–Tint so that the peak level of waveform is similiar to Fig. 10. 3. Press NORMAL (S1107), CHK should diss–appear from screen. 4. Confirm Colour max level at colour Max condition by colour control. Note : Use Remote control only when adjusting User Control .	 **Fig.10**
Adjustment Of SECAM Discrimination 1. Receive SECAM colour bar pattern. 2. Set the tuning to the best point 3. Set system SW to SECAM . 4. Connect Oscilloscope to TP19 which is located on the SECAM board.	1. Adjust L653/R653, so that A,B,C level is flat as shown in Fig. 11 2. Connect the oscilloscope to TPE9. 3. Adjust R653, so that waveform D falls on E as shown in Fig. 11a. 4. Connect oscilloscope to TP19 and confirm that A,C is flat. Note : Important point is that the level D must fall on level E.	 **Fig.11** **Fig.11a.**

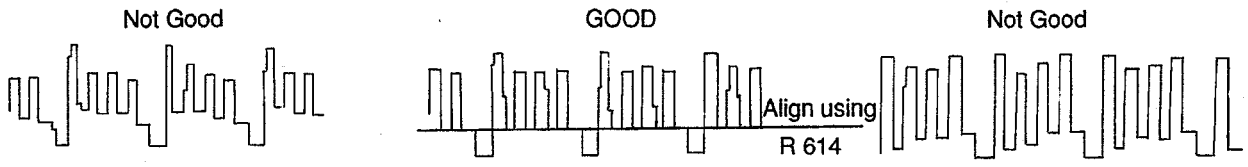


Fig.12

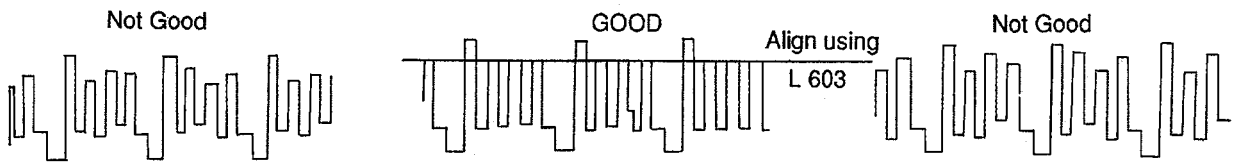
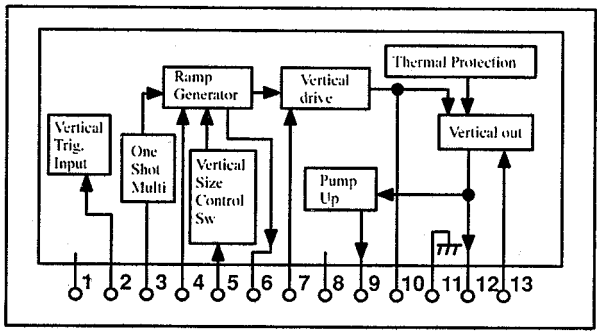
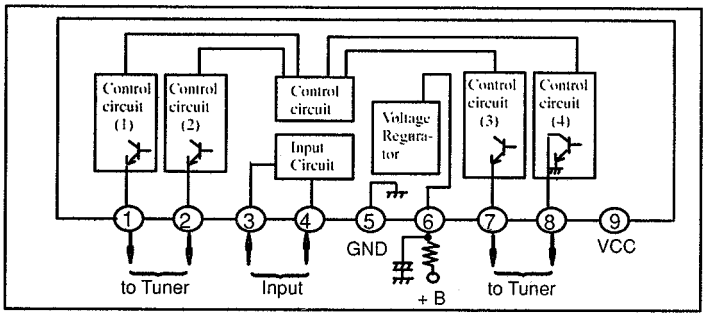


Fig.12a.

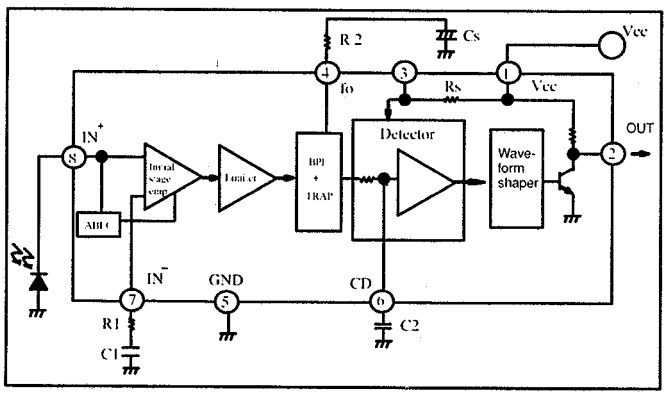
Block Diagram for Integrated Circuits



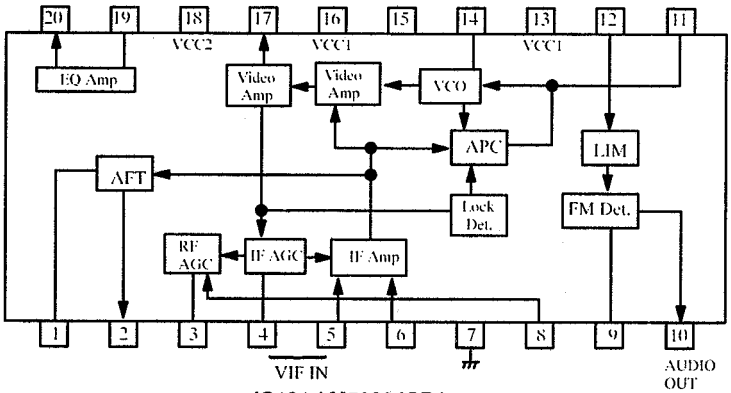
IC401 (LA7837)



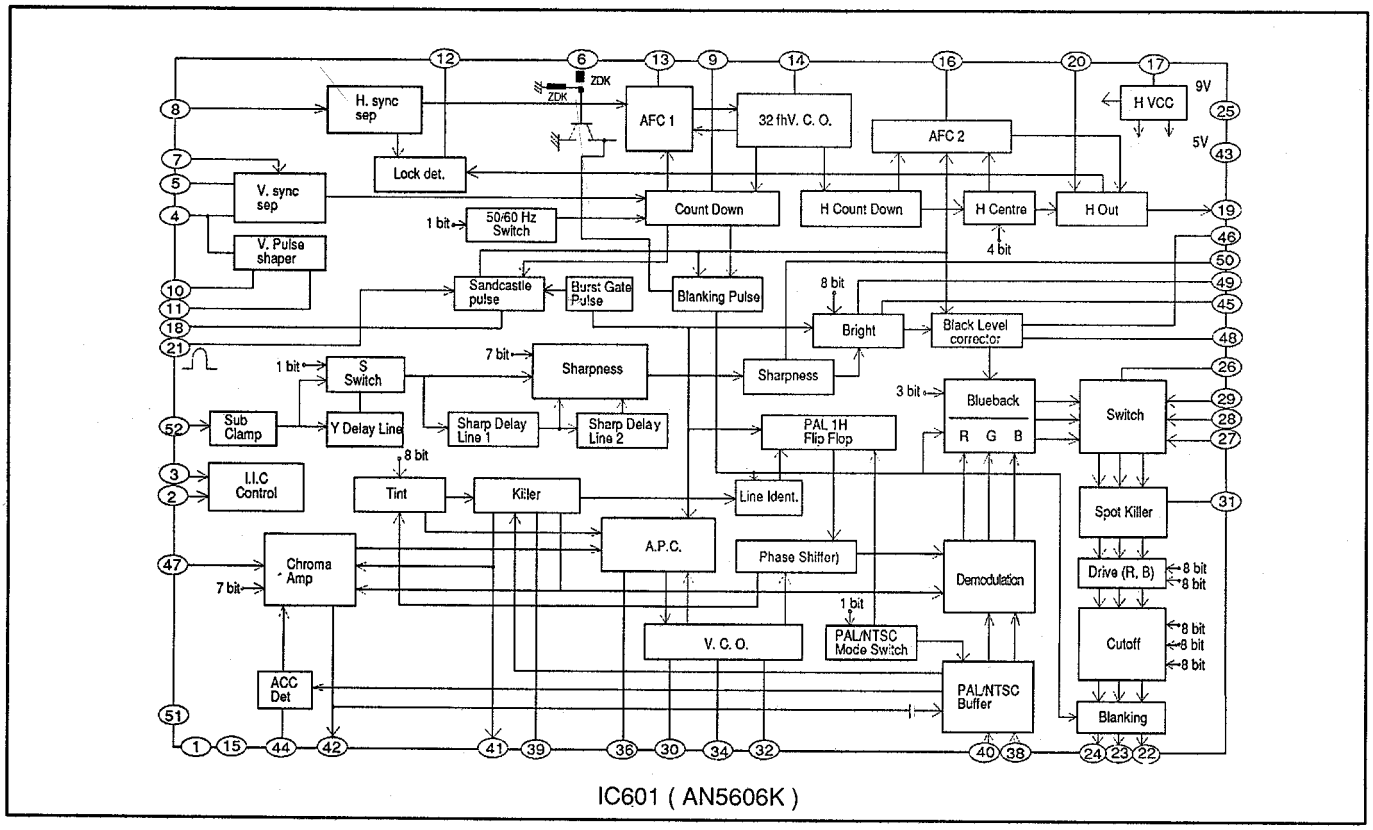
IC1103 (AN5071)



IC1201 (UPC2801AHA)

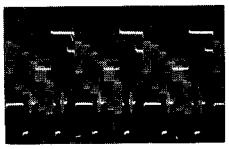


IC101 (M52034SP)

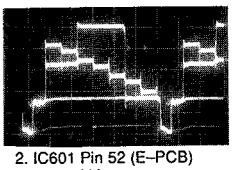


IC601 (AN5606K)

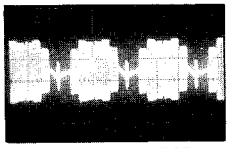
TEST POINT WAVEFORMS



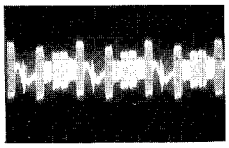
1. IC101 Pin 20 (E–PCB)
Composite Video Signal
1.67V, 20μs / Div



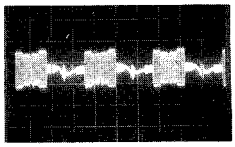
2. IC601 Pin 52 (E–PCB)
Y In
0.63V, 20μs / Div



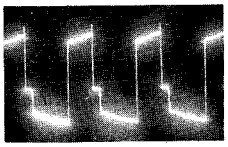
3. IC601 Pin 47 (E–PCB)
Chroma In
0.30V, 20μs / Div



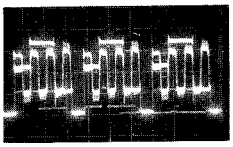
4. IC601 Pin 40 (E–PCB)
B – Y In
0.14V, 20μs / Div



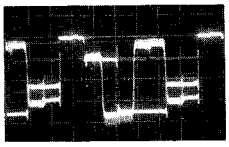
5. IC601 Pin 38 (E–PCB)
R – Y In
0.16V, 20μs / Div



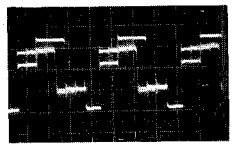
6. IC601 Pin 19 (E–PCB)
Horizontal Out
2.4V, 20μs / Div



7. TP 18 (IC601 PIN 22)
(E–PCB)
3.8V, 20μs / Div



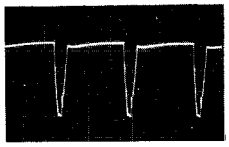
8. TP 17 (IC601 PIN 24)
(E–PCB)
3.7V, 10μs / Div



9. E–32 (E–PCB)
Green Output From Ic601 Pin 3.
3.9V, 20μs / Div

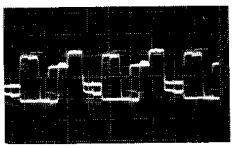
10. FBT Pin 4 (E–PCB)

229V, 20μs / Div



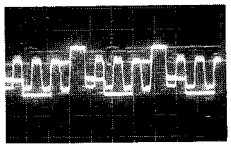
11. FBT Pin 6 (E–PCB)

225V, 20μs / Div

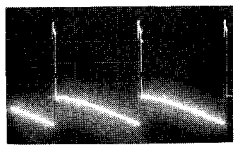


12. Q351 Collector
(Y–PCB)
131.5V, 20μs / Div

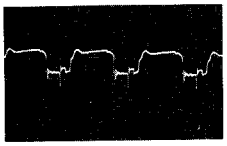
13. Q352 Collector
(Y–PCB)
131.5V, 20μs / Div



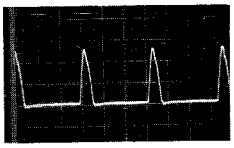
14. Q354 Collector
(Y–PCB)
127.5V, 20μs / Div



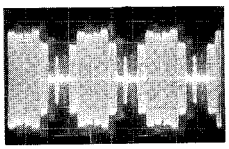
15. IC401 PIN 12 (E–PCB)
Vertical Out
51.2V, 5μs / Div



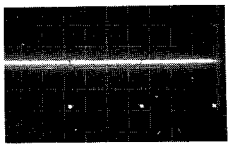
16. Q501 Base (E–PCB)
Horizontal Out
13.7V, 20μs / Div



17. Q501 Collector (E–PCB)
Horizontal Out
1300V, 20μs / Div

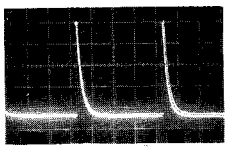


18. IC601 Pin 42 (E–PCB)
Chroma Out
1.1V, 20μs / Div

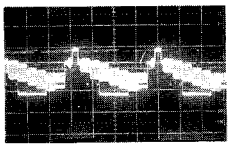


19. IC601 Pin 9 (E–PCB)
Vertical Out
4.2V, 10μs / Div

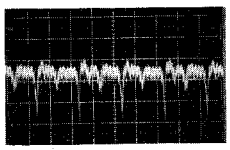
20. TPH 10 (E–PCB)
Video Output Terminal
1.8V, 20μs / Div



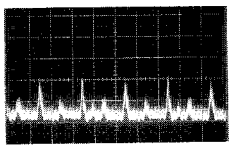
21. IC601 Pin 11 (E–PCB)
V Shaper
8.9V, 5μs / Div



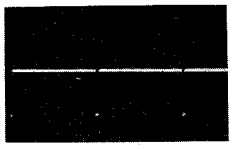
22. IC601 Pin 7 (E–PCB)
Vertical
1.9V, 20μs / Div



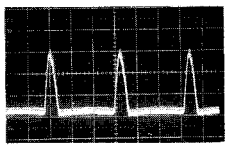
23. IC1102 Pin 31 (E–PCB)
Band 1
0.1V, 1μs / Div



24. IC1102 Pin 24 (E–PCB)
Band 2
0.15V, 1μs / Div

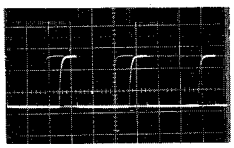


25. IC401 Pin 2 (E–PCB)
Vertical Trigger Input
4.2V, 5μs / Div

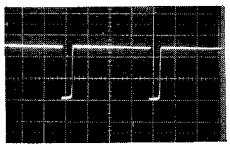


26. IC601 Pin 21 (E–PCB)

5.1V, 20μs / Div



27. IC601 Pin 2 (E–PCB)
Serial Clock Line
4.8V, 20μs / Div



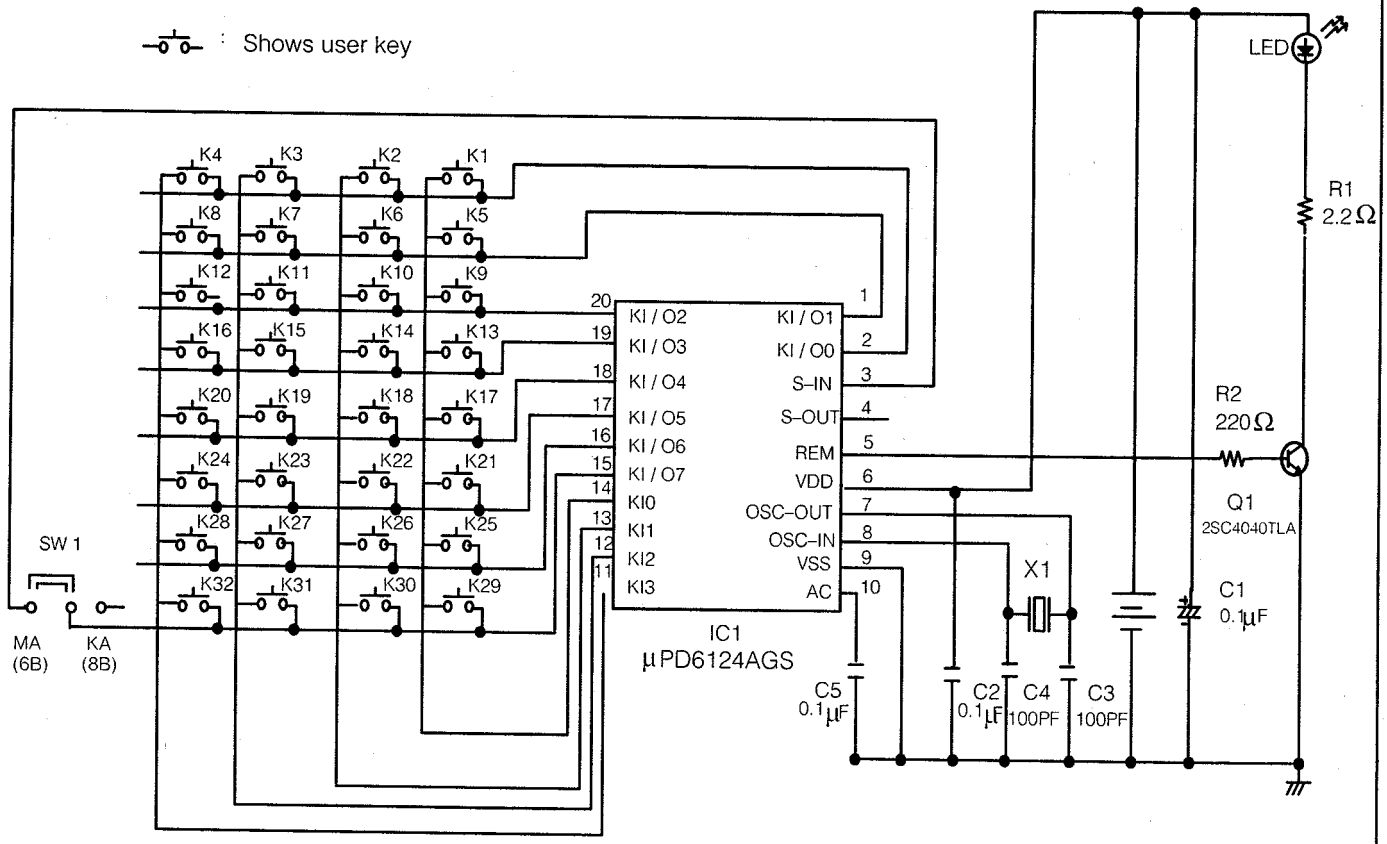
28. IC601 Pin 10 (E–PCB)
50Hz / 60Hz
4.8V, 5μs / Div

TEST POINT VOLTAGES

PART	PIN	VOLTAGES	COMMENTS		PART	PIN	VOLTAGES	COMMENTS
IC1102	4	6.5V	AUTO, AV IN, NTSC 4.43		IC1102	19	4.5V	AUTO, AV IN, PAL
IC1102	4	–0.5V	AUTO, AV IN, SECAM		IC1102	19	4.5V	B/W
IC1102	4	–0.5V	AUTO, AV IN, PAL		IC1102	23	4.5V	AUTO, AV IN, NTSC 4.43
IC1102	4	1.5V	B/W		IC1102	23	4.5V	AUTO, AV IN, SECAM
IC1102	17	1.5V	AUTO, AV IN, NTSC 4.43		IC1102	23	4.5V	AUTO, AV IN, PAL
IC1102	17	1.5V	AUTO, AV IN, SECAM		IC1102	23	4.5V	B/W
IC1102	17	1.5V	AUTO, AV IN, PAL		IC1102	51	4.5V	AUTO, AV IN, NTSC 4.43
IC1102	17	1.5V	B/W		IC1102	51	4.5V	AUTO, AV IN, SECAM
IC1102	19	4.5V	AUTO, AV IN, NTSC 4.43		IC1102	51	4.5V	AUTO, AV IN, PAL
IC1102	19	4.5V	AUTO, AV IN, SECAM		IC1102	51	4.5V	B/W

Remote Control SBAR20026A

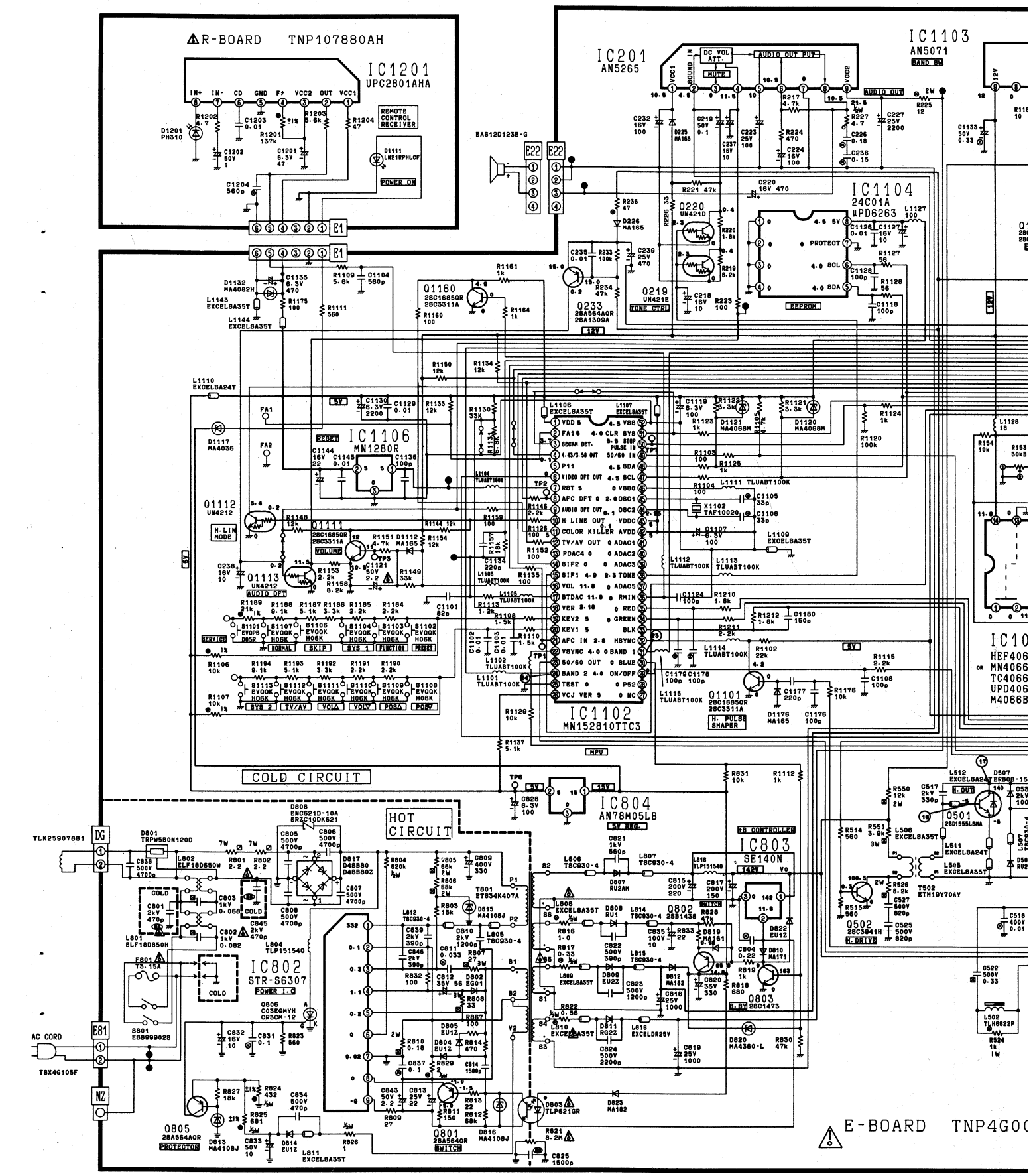
: Shows user key

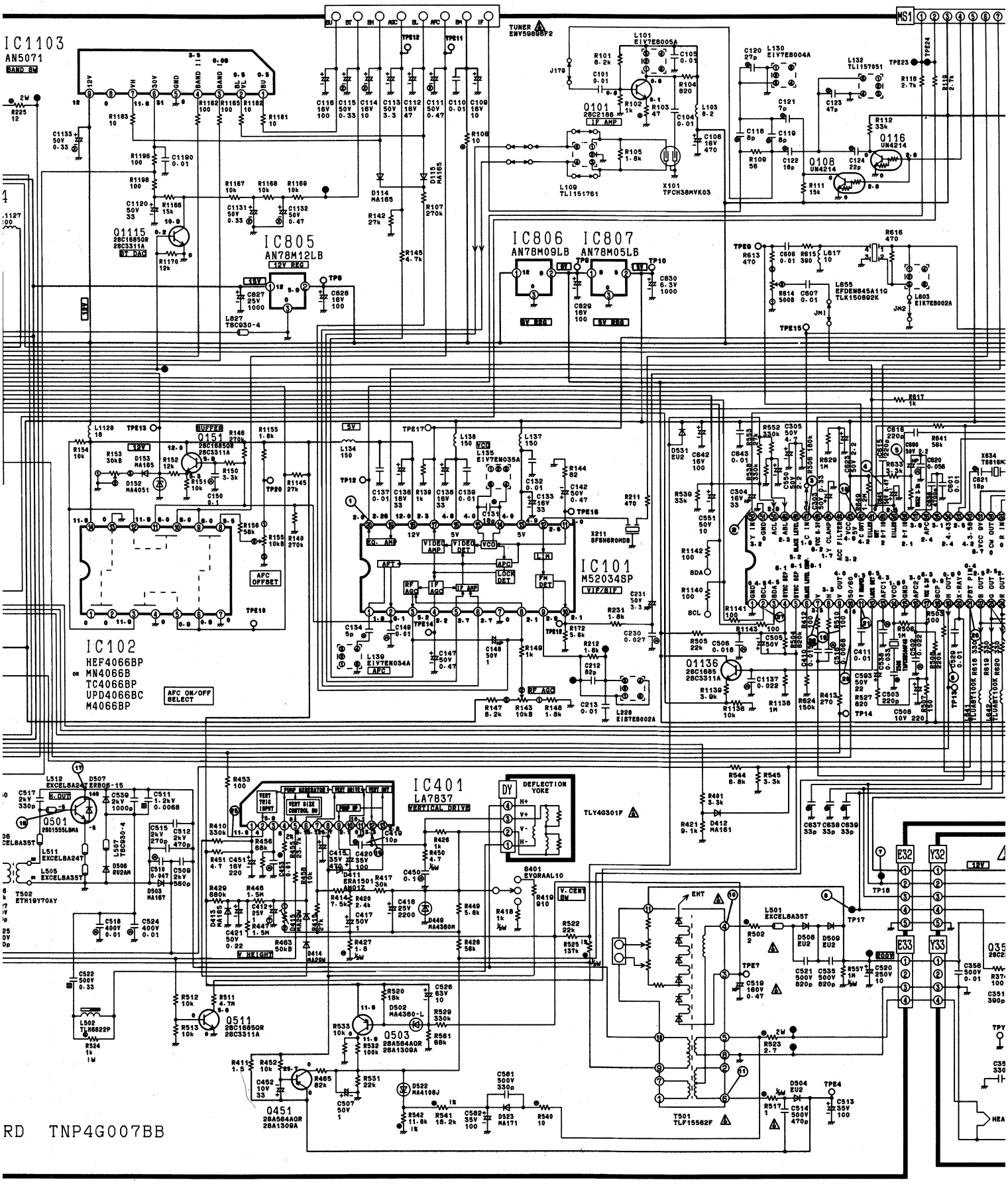


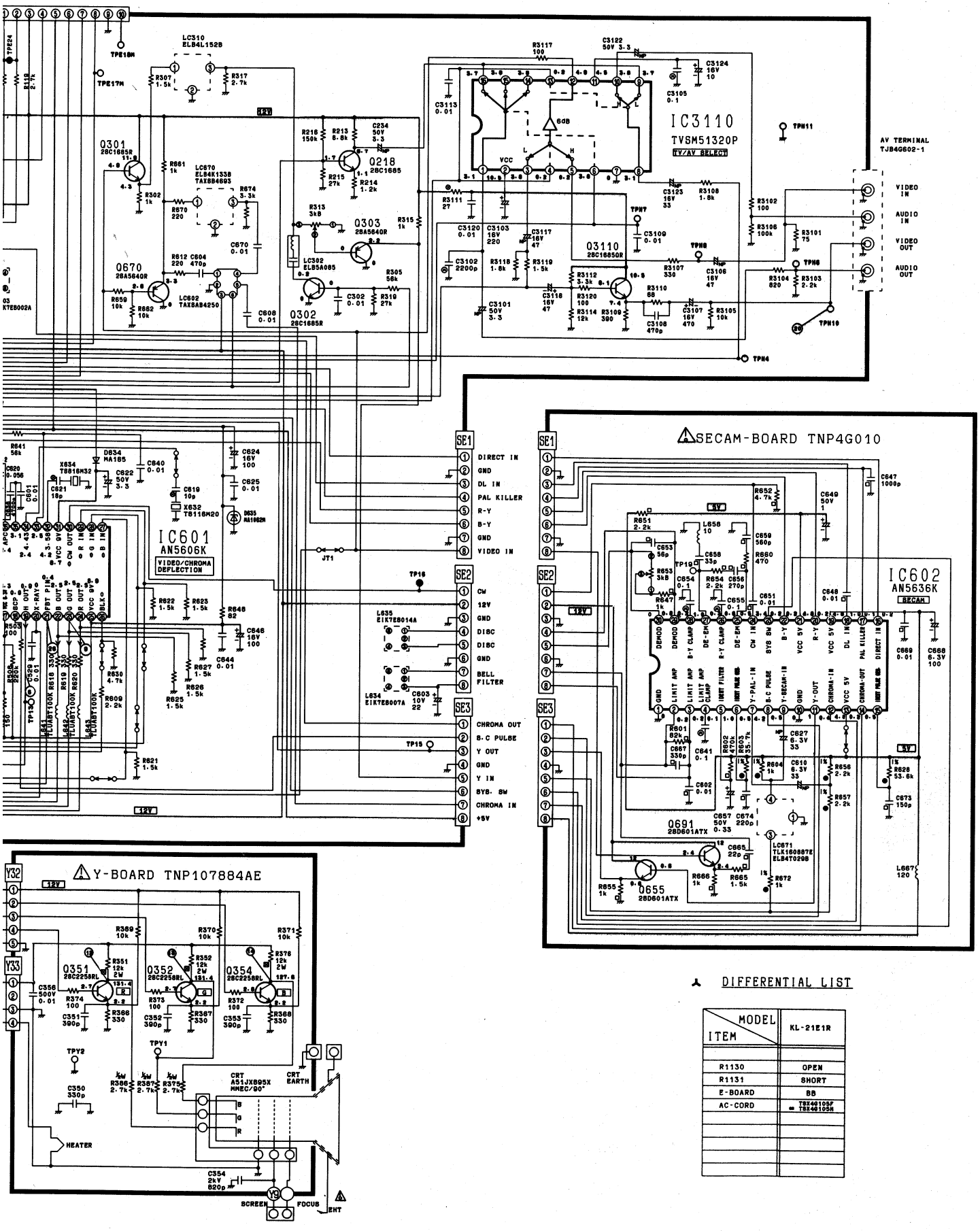
* Parts listed here are not suppliable.

Fig.26

KEY NO.	FUNCTION	DATA CODE	KEY NO.	FUNCTION	DATA CODE
1	TV/AV	05	17	–/—	3B
2	POWER	3D	18	CH 0	19
3	CH 1	10	19	NORMAL	0C
4	CH Λ	34	20	FUNCTION	06
5	CH 3	12	21	OFFTIMER	0F
6	CH 2	11	22	MUTE	32
7	CH 4	13	23	REC	08
8	CH V	35	24	VCR	3D
9	CH 6	15	25	CH Λ	34
10	CH 5	14	26	F.F	03
11	CH 7	16	27	PLAY	0A
12	RECALL	39	28	REW	02
13	CH 9	18	29	CH V	35
14	CH 8	17	30	F.ADV	0C
15	VOL +	20	31	STOP	00
16	VOL –	21	32	PAUSE	06


R-BOARD TNP107880AH
IC1201
UPC2801AHA
REMOTE CONTROL RECEIVER
POWER ON
IC201
AN5265
IC1103
AN5071
IC1104
24C01A
μPD6263
EEPROM
IC1106
MN1280R
RESET
IC1102
MN152810TTC3
IC804
AN78M05LB
IC803
SE140N
IC802
STR-S6307
POWER I.C
IC1101
HEF406
MN4066
TC4066
UPD406
M4066B
COLD CIRCUIT
HOT CIRCUIT
E-BOARD TNP4G0C


IC1103
AN5071
BAND SW
IC805
AN78M12LB
12V REG
IC806 IC807
AN78M09LB AN78M05LB
9V REG
5V REG
IC102
HEF4066BP
MN4066B
TC4066BP
UPD4066BC
M4066BP
AFC ON/OFF SELECT
IC101
M52034SP
VIF/SIF
IC401
LA7837
VERTICAL DRIVE
DEFLECTION YOKE
TUNER
ENV59898F2
Q0101
2SC2188
IF AMP
Q0115
2SC1685OR
2SC3311A
8V DAC
Q0116
UN4214
Q0108
UN4214
Q0151
2SC1685OR
2SC3311A
BUFFER
Q0136
2SC1685
2SC3311A
Q0501
2SD1555LBMA
Q0503
2SA564AQR
2SA1309A
Q0511
2SC1685OR
2SC3311A
Q0451
2SA564AQR
2SA1309A
APC OFFSET
AFT
RF AGC
IF AGC
VIDEO AMP
VIDEO DET
VCO
APC
LOCK DET
FM DET
EQ. AMP
H. OUT
V. HEIGHT
V. CENT
RF AGC
EHT
TLY4G301F
TLF15562F
RD TNP4G007BB

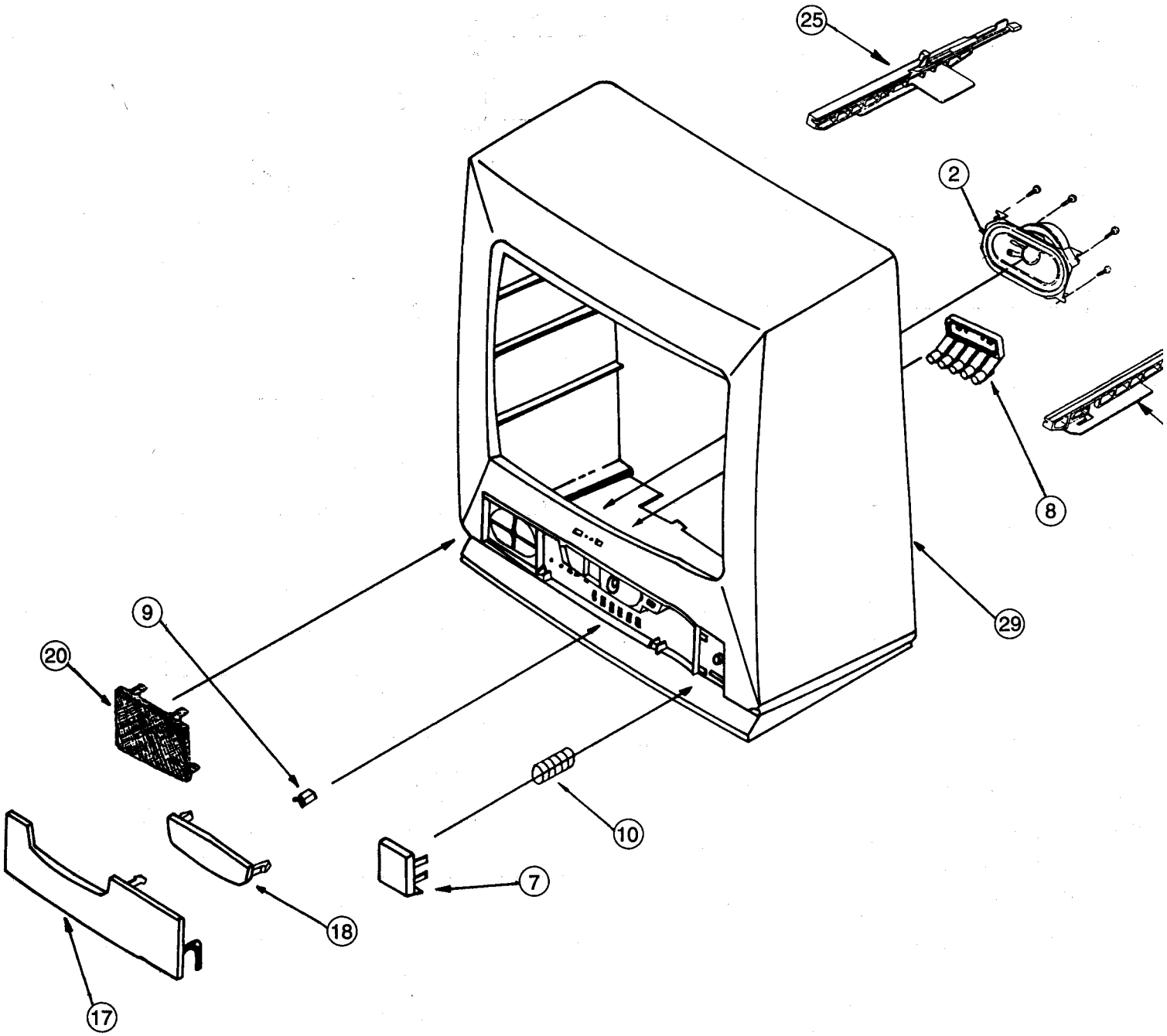


DIFFERENTIAL LIST

ITEM \ MODEL	KL-21E1R
R1130	OPEN
R1131	SHORT
E-BOARD	BB
AC-CORD	TBX40105F ⇔ TBX40105H

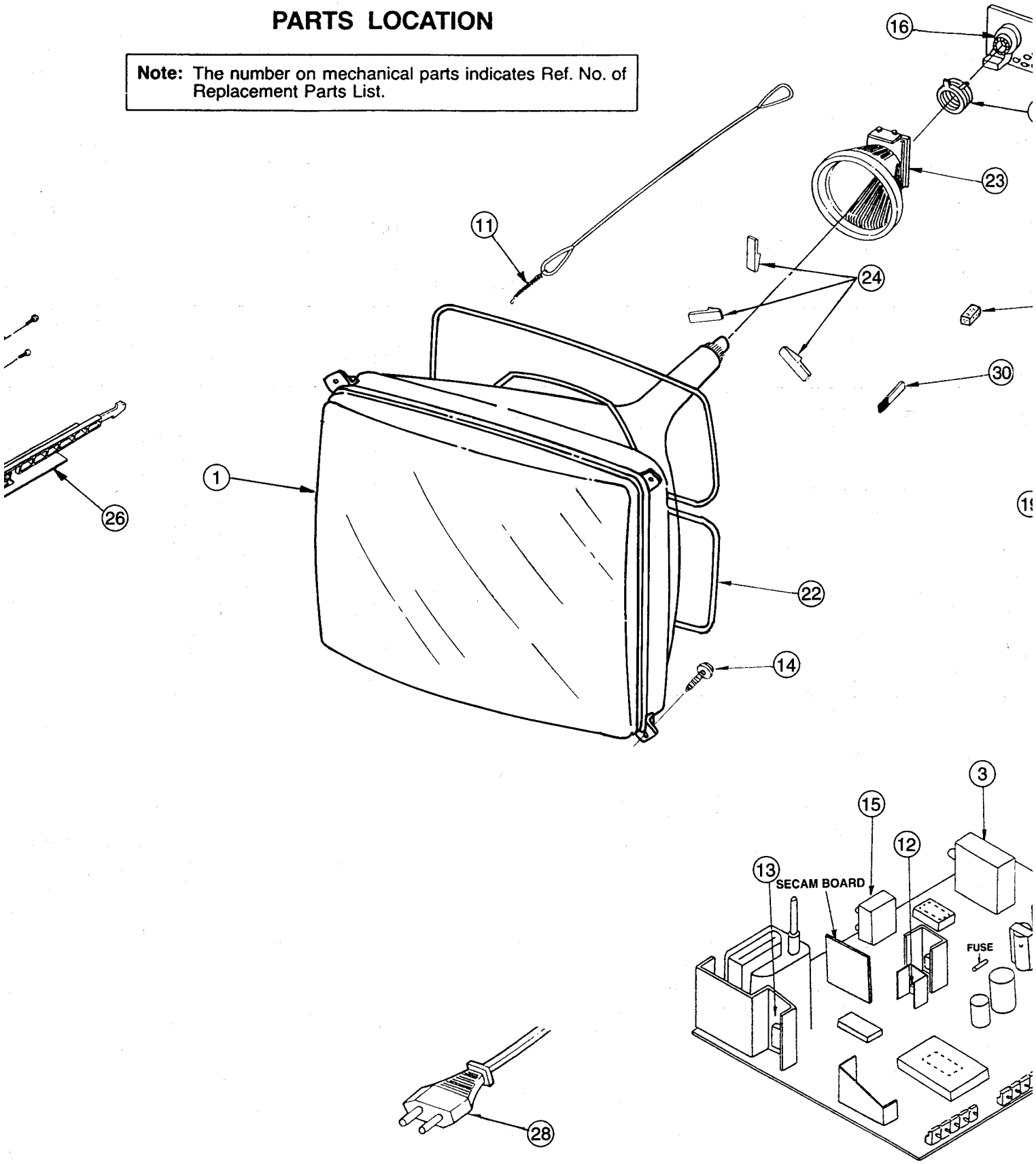
TC–21E1R

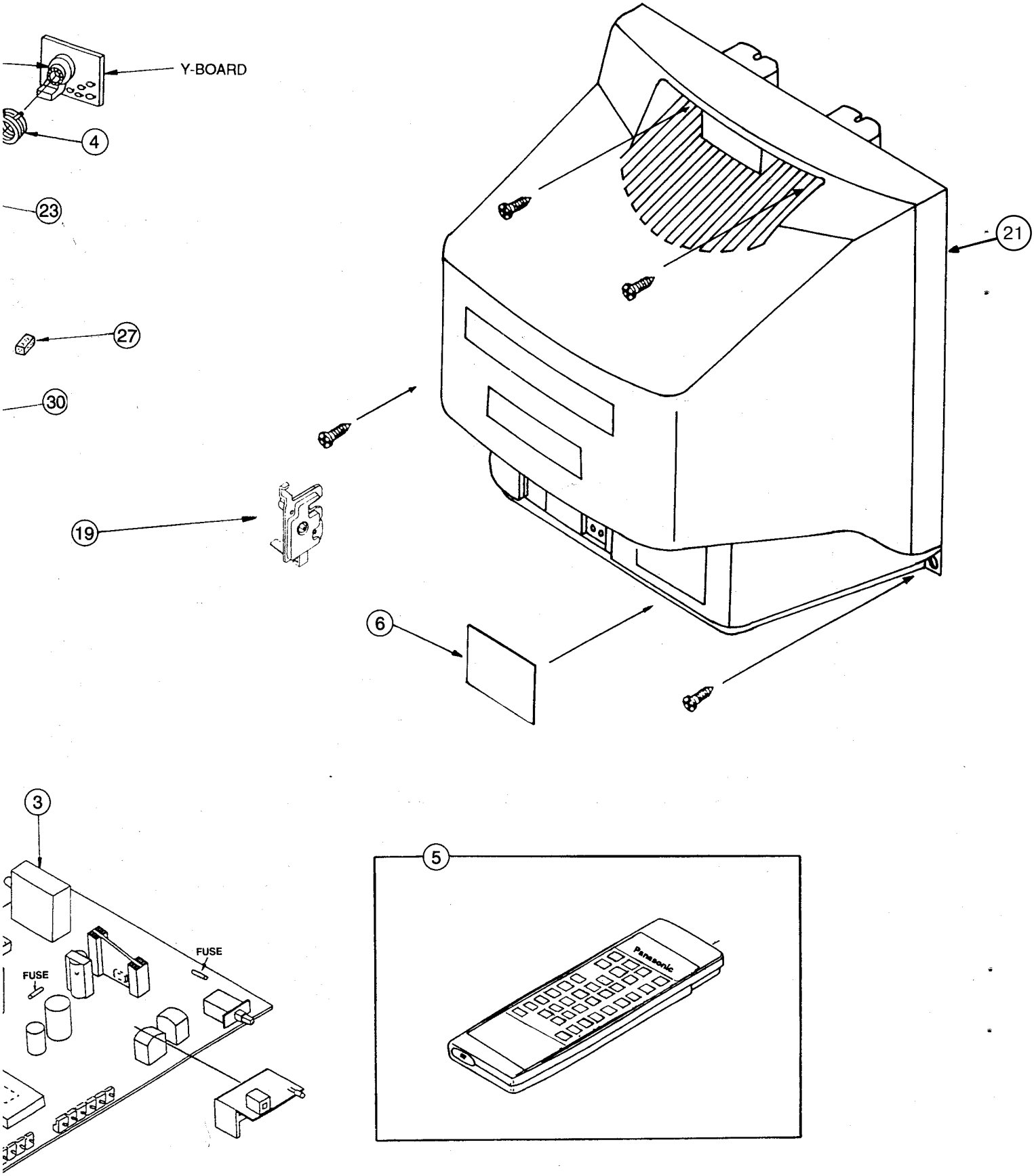
TC-



PARTS LOCATION

Note: The number on mechanical parts indicates Ref. No. of Replacement Parts List.




Y-BOARD
4
23
27
30
19
21
6
3
FUSE
FUSE
5
Panasonic

Replacement Parts List

Ref.No.	Part No.	Description
	MECHANICAL PARTS	
1	A51JXS95X	PICTURE TUBE ⚠
2	EAS12D123E-G	SPEAKER MTV
3	ENV59896F2	TUNER MTV⚠
4	ETC-33X8NA	CONVERGENCE YOKE MTV
5	SBAR20026A	REMOTE CTRL.TRA MTV
6	TBM4G0113	MODEL NAME PLATE MTV⚠
7	TBX4G80501	POWER BUTTON MTV
8	TBX4G80601	KEY BUTTON MTV
9	TEK6935	DOOR SWITCH
10	TES4G203	SPRING(PW. BUTT) MTV
11	TES4223	SPRING
12	TES4537	SPRING
13	TES6583	SPRING FOR TR
14	THT1060	SCREW (CRT) MTV
15	TJB4G602-1	AV TERMINAL MTV
16	TJS1A5050	CRT SOCKET ⚠
17	TKP4G10081	DOOR MTV
18	TKP4G10091	SMOKED PANEL MTV
19	TKP4G10101	AC CORD BRACKET MTV
20	TKP4G50041	SP PUNCH. PANEL MTV
21	TKU4G0800-1	BACK COVER ASSY MTV
22	TLK259078-1	DEGAUSSING COIL ⚠
23	TLY4G301F	DEFLECTION YOKE MTV⚠
24	TMM27523	DY WEDGE
25	TMZ189822-1	CHASSIS RAIL (L)
26	TMZ189823	CHASSIS RAIL (R)
NLA	TNP107880AH	R BOARD MTV⚠
NLA	TNP107884AM	Y BOARD MTV⚠
NLA	TNP4G007BB	E BOARD MTV⚠
NLA	TNP4G008	MS BOARD MTV⚠
NLA	TNP4G010	SE BOARD MTV⚠
	TPC4G40713	CARTON MTV
	TPE4G14002	SET COVER MTV
	TQB4G1108	FAN BAG MTV
27	TSN63115-4	PURITY MAGNET MTV
28	TSX4G105F	AC POWER CORD MTV⚠
29	TXFKY01YB2S	CABINET ASSY MTV
30	TXFMK01H55	MAGNET
	TXFPD10YH2S	CUSHION (TOP) MTV
	TXFPD20YH2S	CUSHION (BOTTOM) MTV
	RESISTORS	

Ref.No.	Part No.	Description
R101	ERDS2TJ822	C 8.2KOHM, J,1/4W
R102	ERDS2TJ102	C 1KOHM, J,1/4W
R103	ERQ14AJ470P	F 47OHM, J,1/4W ⚠
R104	ERDS2TJ821	C 820OHM, J,1/4W
R105	ERDS2TJ182	C 1.8KOHM, J,1/4W
R106	ERQ14AJ100P	F 10OHM, J,1/4W ⚠
R107	ERDS2TJ274	C 270KOHM, J,1/4W
R109	ERDS2TJ560	C 56OHM, J,1/4W
R110	ERJ6GEYJ101	M 100OHM,J,1/10W
R111	ERDS2TJ153	C 15KOHM, J,1/4W
R112	ERDS2TJ333	C 33KOHM, J,1/4W
R113	ERJ6GEYJ331	M 330OHM,J,1/10W
R114	ERJ6GEYJ331	M 330OHM,J,1/10W
R115	ERJ6GEYJ221	M 220OHM,J,1/10W
R116	ERJ6GEYJ562	M 5.6KOHM,J,1/10W
R117	ERJ6GEYJ391	M 390OHM,J,1/10W
R118	ERDS2TJ272	C 2.7KOHM, J,1/4W
R119	ERDS2TJ272	C 2.7KOHM, J,1/4W
R139	ERDS2TJ102	C 1KOHM, J,1/4W
R140	ERDS2TJ274	C 270KOHM, J,1/4W
R142	ERDS2TJ273	C 27KOHM, J,1/4W
R143	EVND4AA00B14	CONTROL 10KOHMB
R144	ERDS2TJ331	C 330OHM, J,1/4W
R145	ERDS2TJ472	C 4.7KOHM, J,1/4W
R146	ERDS2TJ274	C 270KOHM, J,1/4W
R147	ERDS2TJ822	C 8.2KOHM, J,1/4W
R148	ERDS2TJ182	C 1.8KOHM, J,1/4W
R149	ERDS2TJ102	C 1KOHM, J,1/4W
R150	ERDS2TJ332	C 3.3KOHM, J,1/4W
R151	ERDS2TJ103	C 10KOHM, J,1/4W
R152	ERDS2TJ123	C 12KOHM, J,1/4W
R153	EVND4AA00B34	CONTROL 30KOHMB
R154	ERDS2TJ103	C 10KOHM, J,1/4W
R155	EVND4AA00B14	CONTROL 10KOHMB
R156	ERDS2TJ563	C 56KOHM, J,1/4W
R157	ERJ6GEYJ271	M 270OHM,J,1/10W
R172	ERDS2TJ562	C 5.6KOHM, J,1/4W
R180	ERJ6GEYJ123	M 12KOHM,J,1/10W
R181	ERJ6GEYJ123	M 12KOHM,J,1/10W
R184	ERJ6GEYJ472	M 4.7KOHM,J,1/10W
R185	ERJ6GEYJ101	M 100OHM,J,1/10W
R186	ERJ6GEYJ101	M 100OHM,J,1/10W

Ref.No.	Part No.	Description
R207	ERJ6GEYJ471	M 470OHM,J,1/10W
R208	ERJ6GEYJ471	M 470OHM,J,1/10W
R209	ERJ6GEYJ471	M 470OHM,J,1/10W
R210	ERJ6GEYJ471	M 470OHM,J,1/10W
R211	ERDS2TJ221	C 220OHM, J,1/4W
R212	ERDS2TJ182	C 1.8KOHM, J,1/4W
R213	ERDS2TJ682	C 6.8KOHM, J,1/4W
R214	ERDS2TJ122	C 1.2KOHM, J,1/4W
R215	ERDS2TJ273	C 27KOHM, J,1/4W
R216	ERDS2TJ154	C 150KOHM, J,1/4W
R217	ERDS2TJ472	C 4.7KOHM, J,1/4W
R219	ERDS2TJ822	C 8.2KOHM, J,1/4W
R220	ERDS2TJ182	C 1.8KOHM, J,1/4W
R221	ERDS2TJ473	C 47KOHM, J,1/4W
R223	ERDS2TJ101	C 100OHM, J,1/4W
R224	ERDS2TJ471	C 470OHM, J,1/4W
R225	ERQ2CJ120	F 12OHM, J, 2W ⚠
R226	ERDS2TJ330	C 33OHM, J,1/4W
R227	ERDS1FJ4R7	C 4.7OHM, J,1/2W
R231	ERDS2TJ182	C 1.8KOHM, J,1/4W
R233	ERDS2TJ104	C 100KOHM, J,1/4W
R234	ERDS2TJ473	C 47KOHM, J,1/4W
R236	ERDS2TJ470	C 47OHM, J,1/4W
R238	ERJ6GEYJ102	M 1KOHM,J,1/10W
R302	ERDS2TJ102	C 1KOHM, J,1/4W
R305	ERDS2TJ563	C 56KOHM, J,1/4W
R306	ERDS2TJ184	C 180KOHM, J,1/4W
R307	ERDS2TJ152	C 1.5KOHM, J,1/4W
R313	EVND4AA00B33	CONTROL 3KOHMB
R315	ERDS2TJ102	C 1KOHM, J,1/4W
R317	ERDS2TJ272	C 2.7KOHM, J,1/4W
R319	ERDS2TJ273	C 27KOHM, J,1/4W
R351	ERG2ANJ123	M 12KOHM, J, 2W
R352	ERG2ANJ123	M 12KOHM, J, 2W
R366	ERDS2TJ331	C 330OHM, J,1/4W
R367	ERDS2TJ331	C 330OHM, J,1/4W
R368	ERDS2TJ331	C 330OHM, J,1/4W
R369	ERDS2TJ103	C 10KOHM, J,1/4W
R370	ERDS2TJ103	C 10KOHM, J,1/4W
R371	ERDS2TJ103	C 10KOHM, J,1/4W
R372	ERDS2TJ101	C 100OHM, J,1/4W
R373	ERDS2TJ101	C 100OHM, J,1/4W
R374	ERDS2TJ101	C 100OHM, J,1/4W

Ref.No.	Part No.	Description
R375	ERDS1TJ272	C 2.7KOHM, J,1/2W
R376	ERG2ANJ123	M 12KOHM, J, 2W
R386	ERDS1TJ272	C 2.7KOHM, J,1/2W
R387	ERDS1TJ272	C 2.7KOHM, J,1/2W
R401	ERD25TJ332	C 3.3KOHM, J,1/4W
R410	ERDS2TJ334	C 330KOHM, J,1/4W
R411	ERD2FAVJ1R5T	C 1.5OHM, J,1/4W MTV
R412	ERDS2TJ101	C 100OHM, J,1/4W
R413	ERD25TJ271	C 270OHM, J,1/4W
R414	ERDS2TJ752	C 7.5KOHM, J,1/4W
R415	ERD25TJ273	C 27KOHM, J,1/4W
R417	ERDS2TJ303	C 30KOHM, J,1/4W
R418	ERDS1TJ102	C 1KOHM, J,1/2W
R419	ERDS2TJ911	C 910OHM, J,1/4W
R420	ERDS2TJ242	C 2.4KOHM, J,1/4W
R421	ERDS2TJ912	C 9.1KOHM, J,1/4W
R426	ERDS2TJ102	C 1KOHM, J,1/4W
R427	ERDS1FJ1R8	C 1.8OHM, J,1/2W
R428	ERDS2TJ563	C 56KOHM, J,1/4W
R429	ERDS2TJ684	C 680KOHM, J,1/4W
R447	ERDS2TJ155	C 1.5MOHM, J,1/4W
R448	ERDS2TJ155	C 1.5MOHM, J,1/4W
R449	ERDS2TJ562	C 5.6KOHM, J,1/4W
R450	ERDS1FJ4R7	C 4.7OHM, J,1/2W
R451	ERDS2TJ4R7	C 4.7OHM, J,1/4W
R452	ERDS2TJ103	C 10KOHM, J,1/4W
R453	ERDS2TJ101	C 100OHM, J,1/4W
R455	ER0S2CKF2372	M23.7KOHM, F,1/4W
R456	ERDS2TJ683	C 68KOHM, J,1/4W
R458	ERDS2TJ103	C 10KOHM, J,1/4W
R463	EVND4AA00B54	CONTROL 50KOHMB
R465	ERDS2TJ823	C 82KOHM, J,1/4W
R502	ERQ14AJ2R0P	F 2.0OHM, J,1/4W ⚠
R503	ERDS2TJ101	C 100OHM, J,1/4W
R504	ERDS2TJ824	C 820KOHM, J,1/4W
R505	ERDS2TJ223	C 22KOHM, J,1/4W
R506	ERDS2TJ105	C 1MOHM, J,1/4W
R507	ERDS2TJ151	C 150OHM, J,1/4W
R508	ERDS2TJ224	C 220KOHM, J,1/4W
R510	ERDS2TJ101	C 100OHM, J,1/4W
R511	ERD25TJ475	C 4.7MOHM, J,1/4W
R512	ERDS2TJ103	C 10KOHM, J,1/4W
R513	ERDS2TJ103	C 10KOHM, J,1/4W

Ref.No.	Part No.	Description
R514	ERDS2TJ561	C 560OHM, J,1/4W
R515	ERDS2TJ561	C 560OHM, J,1/4W
R517	ERQ12HJ1R0	F 1OHM, J,1/2W ⚠
R520	ERDS2TJ183	C 18KOHM, J,1/4W
R522	ERD25TJ223	C 22KOHM, J,1/4W
R523	ERQ2CJ2R7	F 2.7OHM, J, 2W ⚠
R524	ERQ1CJ102	F 1KOHM, J, 1W ⚠
R525	ER0S2CKF1373	M 137KOHM, F,1/4W MTV
R526	ERG2ANJ822	M 8.2KOHM, J, 2W
R527	ERDS2TJ821	C 820OHM, J,1/4W
R529	ERDS2TJ334	C 330KOHM, J,1/4W
R531	ERDS2TJ223	C 22KOHM, J,1/4W
R532	ERDS2TJ104	C 100KOHM, J,1/4W
R533	ERDS2TJ103	C 10KOHM, J,1/4W
R538	ERDS2TJ334	C 330KOHM, J,1/4W
R539	ERDS2TJ333	C 33KOHM, J,1/4W
R540	ERQ14AJ100P	F 10OHM, J,1/4W ⚠
R541	ER0S2CKF1822	M18.2KOHM, F,1/4W
R542	ER0S2CKF1182	M11.8KOHM, F,1/4W
R544	ERD25TJ682	C 6.8KOHM, J,1/4W
R545	ERD25TJ332	C 3.3KOHM, J,1/4W
R550	ERG2ANJ123	M 12KOHM, J, 2W
R551	ERG3ANJ392	M 3.9KOHM, J, 3W
R552	ERDS2TJ334	C 330KOHM, J,1/4W
R553	ERDS2TJ273	C 27KOHM, J,1/4W
R557	ERDS1TJ105	C 1MOHM, J,1/2W
R561	ERDS2TJ683	C 68KOHM, J,1/4W
R601	ERJ6GEYJ823	M 82KOHM,J,1/10W
R602	ERJ6GEYJ474	M 470KOHM,J,1/10W
R603	ER0S2CKF3572	M35.7KOHM, F,1/4W
R604	ER0S2CKF1001	M 1KOHM, F,1/4W
R609	ERDS2TJ222	C 2.2KOHM, J,1/4W
R612	ERDS2TJ560	C 56OHM, J,1/4W
R613	ERDS2TJ471	C 470OHM, J,1/4W
R614	EVND4AA00B52	CONTROL 500OHMB
R615	ERDS2TJ391	C 390OHM, J,1/4W
R616	ERDS2TJ471	C 470OHM, J,1/4W
R617	ERDS2TJ102	C 1KOHM, J,1/4W
R618	ERDS2TJ331	C 330OHM, J,1/4W
R619	ERDS2TJ331	C 330OHM, J,1/4W
R620	ERDS2TJ331	C 330OHM, J,1/4W
R621	ERDS2TJ152	C 1.5KOHM, J,1/4W
R622	ERDS2TJ152	C 1.5KOHM, J,1/4W

Ref.No.	Part No.	Description
R623	ERDS2TJ152	C 1.5KOHM, J,1/4W
R624	ERDS2TJ154	C 150KOHM, J,1/4W
R625	ERDS2TJ152	C 1.5KOHM, J,1/4W
R626	ERDS2TJ152	C 1.5KOHM, J,1/4W
R627	ERDS2TJ152	C 1.5KOHM, J,1/4W
R628	ER0S2CKF5362	M53.6KOHM, F,1/4W MTV
R629	ERDS2TJ105	C 1MOHM, J,1/4W
R630	ERDS2TJ152	C 1.5KOHM, J,1/4W
R632	ERDS2TJ332	C 3.3KOHM, J,1/4W
R633	ERDS2TJ332	C 3.3KOHM, J,1/4W
R641	ERDS2TJ563	C 56KOHM, J,1/4W
R647	ERJ6GEY0R00	M 0OHM,J,1/10W
R648	ERDS2TJ820	C 82OHM, J,1/4W
R649	ERDS2TJ125	C 1.2MOHM, J,1/4W
R651	ERJ6GEYJ222	M 2.2KOHM,J,1/10W
R652	ERJ6GEYJ472	M 4.7KOHM,J,1/10W
R653	EVND1AA00B53	CONTROL 5KOHMB
R654	ERJ6GEYJ222	M 2.2KOHM,J,1/10W
R655	ERJ6GEYJ102	M 1KOHM,J,1/10W
R656	ER0S2CKF2201	M 2200OHM, F,1/4W
R657	ER0S2CKF2201	M 2200OHM, F,1/4W
R659	ERDS2TJ103	C 10KOHM, J,1/4W
R660	ERJ6GEYJ471	M 470OHM,J,1/10W
R661	ERDS2TJ102	C 1KOHM, J,1/4W
R662	ERDS2TJ103	C 10KOHM, J,1/4W
R665	ERJ6GEYJ152	M 1.5KOHM,J,1/10W
R666	ERJ6GEYJ102	M 1KOHM,J,1/10W
R670	ERDS2TJ221	C 220OHM, J,1/4W
R672	ER0S2CKF1001	M 1KOHM, F,1/4W
R674	ERDS2TJ332	C 3.3KOHM, J,1/4W
R801	ERF7ZK2R2	W 2.2OHM, 7W MTV
R802	ERF7ZK2R2	W 2.2OHM, 7W MTV
R803	ERDS2TJ153	C 15KOHM, J,1/4W
R805	ERG2ANJ683	M 68KOHM, J, 2W MTV
R806	ERG2ANJ683	M 68KOHM, J, 2W MTV
R807	ERG3ANJ270H	M 27OHM, J, 3W
R808	ERG3ANJ330H	M 33OHM, 3W
R809	ERDS2TJ270	C 27OHM, J,1/4W
R810	ERW2PKR18C	W 0.18OHM, K, 2W MTV
R811	ERDS2TJ151	C 150OHM, J,1/4W
R812	ERDS2TJ683	C 68KOHM, J,1/4W
R813	ERDS2TJ220	C 22OHM, J,1/4W
R814	ERDS2TJ471	C 470OHM, J,1/4W

Ref.No.	Part No.	Description
R816	ERQ12HJ1R0	F 1OHM, J,1/2W ⚠
R817	ERQ12HKR33	F 0.33OHM, K,1/2W ⚠
R818	ERD25TJ681	C 680OHM, J,1/4W
R819	ERDS2TJ102	C 1KOHM, J,1/4W
R821	ERD75TAJ825	C 8.2MOHM, J,3/4W
R822	ERQ12HKR56	F 0.56OHM, K,1/2W ⚠
R823	ERDS2TJ561	C 560OHM, J,1/4W
R824	ER050CKF4320	M43.2KOHM, F,1/2W MTV
R825	ER050CKF6810	M68.1KOHM, F,1/2W MTV
R826	ERDS1TJ1R0	C 1OHM, J,1/2W
R827	ERDS2TJ183	C 18KOHM, J,1/4W
R828	ERDS2TJ473	C 47KOHM, J,1/4W
R829	ERQ12AJ2R0	F 2OHM, J,1/2W MTV⚠
R830	ERDS2TJ473	C 47KOHM, J,1/4W
R831	ERDS2TJ103	C 10KOHM, J,1/4W
R832	ERDS2TJ101	C 100OHM, J,1/4W
R833	ERDS1TJ220	C 22OHM, J,1/2W
R867	ERDS2TJ101	C 100OHM, J,1/4W
R1102	ERDS2TJ223	C 22KOHM, J,1/4W
R1103	ERDS2TJ101	C 100OHM, J,1/4W
R1104	ERDS2TJ101	C 100OHM, J,1/4W
R1105	ERDS2TJ472	C 4.7KOHM, J,1/4W
R1106	ER0S2CKF1002	M 10KOHM, F,1/4W
R1107	ER0S2CKF1002	M 10KOHM, F,1/4W
R1108	ERDS2TJ152	C 1.5KOHM, J,1/4W
R1109	ERDS2TJ562	C 5.6KOHM, J,1/4W
R1110	ERDS2TJ152	C 1.5KOHM, J,1/4W
R1111	ERDS2TJ561	C 560OHM, J,1/4W
R1112	ERDS2TJ102	C 1KOHM, J,1/4W
R1113	ERDS2TJ122	C 1.2KOHM, J,1/4W
R1115	ERD25TJ222	C 2.2KOHM, J,1/4W
R1120	ERDS2TJ104	C 100KOHM, J,1/4W
R1121	ERDS2TJ332	C 3.3KOHM, J,1/4W
R1122	ERDS2TJ332	C 3.3KOHM, J,1/4W
R1123	ERDS2TJ102	C 1KOHM, J,1/4W
R1124	ERDS2TJ102	C 1KOHM, J,1/4W
R1125	ERDS2TJ102	C 1KOHM, J,1/4W
R1126	ERDS2TJ101	C 100OHM, J,1/4W
R1127	ERDS2TJ560	C 56OHM, J,1/4W
R1128	ERDS2TJ560	C 56OHM, J,1/4W
R1129	ERDS2TJ103	C 10KOHM, J,1/4W
R1133	ERDS2TJ123	C 12KOHM, J,1/4W
R1134	ERDS2TJ123	C 12KOHM, J,1/4W

Ref.No.	Part No.	Description
R1135	ERD25TJ101	C 100OHM, J,1/4W
R1136	ERDS2TJ103	C 10KOHM, J,1/4W
R1137	ERDS2TJ512	C 5.1KOHM, J,1/4W
R1138	ERDS2TJ105	C 1MOHM, J,1/4W
R1139	ERDS2TJ392	C 3.9KOHM, J,1/4W
R1140	ERDS2TJ101	C 100OHM, J,1/4W
R1141	ERDS2TJ101	C 100OHM, J,1/4W
R1142	ERDS2TJ101	C 100OHM, J,1/4W
R1143	ERDS2TJ101	C 100OHM, J,1/4W
R1144	ERDS2TJ123	C 12KOHM, J,1/4W
R1145	ERD25TJ273	C 27KOHM, J,1/4W
R1146	ERDS2TJ222	C 2.2KOHM, J,1/4W
R1148	ERDS2TJ123	C 12KOHM, J,1/4W
R1149	ERDS2TJ333	C 33KOHM, J,1/4W
R1150	ERDS2TJ123	C 12KOHM, J,1/4W
R1151	ERDS2TJ472	C 4.7KOHM, J,1/4W
R1152	ERDS2TJ101	C 100OHM, J,1/4W
R1153	ERDS2TJ222	C 2.2KOHM, J,1/4W
R1154	ERDS2TJ123	C 12KOHM, J,1/4W
R1155	ERDS2TJ182	C 1.8KOHM, J,1/4W
R1157	ERDS2TJ183	C 18KOHM, J,1/4W
R1158	ERDS2TJ822	C 8.2KOHM, J,1/4W
R1159	ERDS2TJ101	C 100OHM, J,1/4W
R1160	ERDS2TJ101	C 100OHM, J,1/4W
R1161	ERDS2TJ102	C 1KOHM, J,1/4W
R1162	ERDS2TJ101	C 100OHM, J,1/4W
R1164	ERDS2TJ102	C 1KOHM, J,1/4W
R1165	ERDS2TJ101	C 100OHM, J,1/4W
R1166	ERDS2TJ153	C 15KOHM, J,1/4W
R1167	ERDS2TJ103	C 10KOHM, J,1/4W
R1168	ERDS2TJ103	C 10KOHM, J,1/4W
R1169	ERDS2TJ103	C 10KOHM, J,1/4W
R1170	ERDS2TJ123	C 12KOHM, J,1/4W
R1175	ERDS2TJ101	C 100OHM, J,1/4W
R1176	ERDS2TJ103	C 10KOHM, J,1/4W
R1181	ERDS2TJ100	C 10OHM, J,1/4W
R1182	ERD25TJ100	C 10OHM, J,1/4W
R1183	ERDS2TJ100	C 10OHM, J,1/4W
R1184	ERDS2TJ222	C 2.2KOHM, J,1/4W
R1185	ERDS2TJ222	C 2.2KOHM, J,1/4W
R1186	ERDS2TJ332	C 3.3KOHM, J,1/4W
R1187	ERDS2TJ512	C 5.1KOHM, J,1/4W
R1188	ERDS2TJ912	C 9.1KOHM, J,1/4W

Ref.No.	Part No.	Description
R1189	ER025CKF2102	M 21KOHM, F,1/4W
R1190	ERDS2TJ222	C 2.2KOHM, J,1/4W
R1191	ERDS2TJ222	C 2.2KOHM, J,1/4W
R1192	ERDS2TJ332	C 3.3KOHM, J,1/4W
R1193	ERDS2TJ512	C 5.1KOHM, J,1/4W
R1194	ERDS2TJ912	C 9.1KOHM, J,1/4W
R1196	ERDS2TJ101	C 100OHM, J,1/4W
R1198	ERDS2TJ101	C 100OHM, J,1/4W
R1201	ER0S2CKF1373	M 137KOHM, F,1/4W MTV
R1202	ERDS2TJ4R7	C 4.7OHM, J,1/4W
R1203	ERDS2TJ562	C 5.6KOHM, J,1/4W
R1204	ERDS2TJ470	C 47OHM, J,1/4W
R1210	ERDS2TJ182	C 1.8KOHM, J,1/4W
R1211	ERDS2TJ222	C 2.2KOHM, J,1/4W
R1212	ERDS2TJ182	C 1.8KOHM, J,1/4W
R3101	ERD25TJ750	C 75OHM, J,1/4W
R3102	ERDS2TJ102	C 1KOHM, J,1/4W
R3103	ERDS2TJ222	C 2.2KOHM, J,1/4W
R3104	ERDS2TJ821	C 820OHM, J,1/4W
R3105	ERDS2TJ103	C 10KOHM, J,1/4W
R3106	ERDS2TJ104	C 100KOHM, J,1/4W
R3107	ERDS2TJ331	C 330OHM, J,1/4W
R3108	ERD25TJ182	C 1.8KOHM, J,1/4W
R3109	ERDS2TJ391	C 390OHM, J,1/4W
R3110	ERDS2TJ560	C 56OHM, J,1/4W
R3111	ERQ14AJ270P	F 27OHM, J,1/4W ⚠
R3112	ERDS2TJ332	C 3.3KOHM, J,1/4W
R3114	ERDS2TJ123	C 12KOHM, J,1/4W
R3117	ERDS2TJ101	C 100OHM, J,1/4W
R3118	ERDS2TJ182	C 1.8KOHM, J,1/4W
R3119	ERDS2TJ152	C 1.5KOHM, J,1/4W
R3120	ERDS2TJ101	C 100OHM, J,1/4W
	CAPACITORS	
C101	ECKF1H103ZF	C 0.01UF, Z, 50V
C104	ECKF1H103ZF	C 0.01UF, Z, 50V
C105	ECKF1H103ZF	C 0.01UF, Z, 50V
C106	ECEA1CU471	E 470UF, 16V
C109	ECEA1CU100	E 10UF, 16V
C110	ECKF1H103ZF	C 0.01UF, Z, 50V
C111	ECEA50ZR47	E 0.47UF, 50V
C112	ECEA1CU470	E 47UF, 16V
C113	ECEA1HU3R3	E 3.3UF, 50V
C114	ECEA16Z10	E 10UF, 16V

Ref.No.	Part No.	Description
C115	ECEA50ZR33	E 0.33UF, 50V
C116	ECEA1CU101	E 100UF, 16V
C118	ECCF1H080DC	C 8PF, D, 50V
C119	ECCF1H080DC	C 8PF, D, 50V
C120	ECCF1H270JC	C 27PF, J, 50V
C121	ECCF1H100DC	C 10PF, D, 50V
C122	ECCF1H180JC	C 18PF, J, 50V
C123	ECCF1H470JC	C 47PF, J, 50V
C124	ECCF1H220JC	C 22PF, J, 50V
C125	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C131	ECCF1H180JC	C 18PF, J, 50V
C132	ECKF1H103ZF	C 0.01UF, Z, 50V
C133	ECEA1CU330	E 33UF, 16V
C134	ECCF1H050CC	C 5PF, C, 50V
C136	ECEA1CU330	E 33UF, 16V
C137	ECKF1H103ZF	C 0.01UF, Z, 50V
C138	ECEA1CU330	E 33UF, 16V
C139	ECKF1H103ZF	C 0.01UF, Z, 50V
C141	ECUX1H151JX	C 150PF, J, 50V MTV
C142	ECEA1HUR47	E 0.47UF, 50V
C147	ECEA1HUR47	E 0.47UF, 50V
C148	ECEA1HN010S	E 1UF, 50V
C149	ECQB1H103JF	P 0.01UF, 50V
C150	ECQV1H104JZ	P 0.1UF, J, 50V
C151	ECKF1H103ZF	C 0.01UF, Z, 50V
C160	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C163	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C212	ECCF1H121JP	C 120PF, J, 50V
C213	ECKF1H103ZF	C 0.01UF, Z, 50V
C214	ECCF1H180JC	C 18PF, J, 50V
C218	ECEA1CU100	E 10UF, 16V
C219	ECEA1HGE0R1	E 0.1UF, 50V MTV
C220	ECEA1CU471	E 470UF, 16V
C223	ECEA1EGE101	E 100UF, 25V
C224	ECEA1CU101	E 100UF, 16V
C226	ECQV1H184JZ	P 0.18UF, J, 50V
C227	ECEA1EU222	E 2200UF, 25V
C230	ECQB1H273JF	P 0.027UF, J, 50V
C231	ECEA1HN3R3S	E 3.3UF, 50V
C232	ECEA1CU101	E 100UF, 16V
C234	ECEA1HN3R3S	E 3.3UF, 50V
C235	ECKF1H103ZF	C 0.01UF, Z, 50V
C236	ECQV1H154JZ	P 0.15UF, J, 50V

Ref.No.	Part No.	Description
C237	ECEA1CU100	E 10UF, 16V
C238	ECEA1CU100	E 10UF, 16V
C239	ECEA1EU471	E 470UF, 25V
C302	ECKF1H103ZF	C 0.01UF, Z, 50V
C303	ECEA1HUR33	E 0.33UF, 50V
C304	ECEA1CN330S	E 33UF, 16V
C305	ECEA1HU4R7	E 4.7UF, 50V
C350	ECCF1H331J	C 330PF, J, 50V
C351	ECCF1H391J	C 390PF, J, 50V
C352	ECCF1H391J	C 390PF, J, 50V
C353	ECCF1H391J	C 390PF, J, 50V
C354	ECKD3D821KBN	C 820PF, K, 2KV
C356	ECKD2H103PU	C 0.01UF, P,500V
C410	ECQB1H153KF	P 0.015UF, K, 50V
C411	ECKF1H103ZF	C 0.01UF, Z, 50V
C412	ECSF1EE105V	T 1UF, 25V MTV
C415	ECEA1VGE471	E 470UF, 35V
C416	ECEA1EU222	E 2200UF, 25V
C417	ECEA1HU010	E 1UF, 50V
C419	ECCF1H100FC	C 10PF, F, 50V MTV
C420	ECEA1VGE101	E 100UF, 35V
C421	ECEA1HUR22	E 0.22UF, 50V
C450	ECQV1H104JZ	P 0.1UF, J, 50V
C451	ECEA1CU221	E 220UF, 16V
C452	ECEA1AU330	E 33UF, 10V
C453	ECQB1H103KF	P 0.01UF, K, 50V
C502	ECQB1H223JF	P 0.022UF, J, 50V
C503	ECCF1H221JU	C 220PF, J, 50V
C505	ECEA1HU010	E 1UF, 50V
C506	ECQB1H183KF	P 0.018UF, K, 50V
C507	ECEA1HU010	E 1UF, 50V
C508	ECEA1AU221	E 220UF, 10V
C509	ECKD3D561JBN	C 560PF, J, 2KV
C510	ECQB1H473JF	P 0.047UF, J, 50V
C511	ECWH12H682JY	P 6800PF,J,1.2KV MTV
C512	ECKD3D471JBN	C 470PF, J, 2KV
C513	ECEA1VU101	E 100UF, 35V
C514	ECKD2H471KB2	C 470PF, K,500V
C515	ECKD3D561JBN	C 560PF, J, 2KV
C516	ECQB1H682KF	P 6800PF, K, 50V
C517	ECKD3D331KBN	C 330PF, K, 2KV
C518	ECQM4103JZ	P 0.01UF, J,400V MTV
C519	ECEA2CNR47S	E 0.47UF, 160V

Ref.No.	Part No.	Description
C520	ECEA2EU100	E 10UF, 250V
C521	ECKD2H821KB2	C 820PF, K,500V
C522	ECWF2H334JNY	P 0.33UF, J,200V
C524	ECQM4103JZ	P 0.01UF, J,400V MTV
C525	ECKD2H821KB2	C 820PF, K,500V
C526	ECEA1JU100	E 10UF, 63V
C527	ECKD2H821KB2	C 820PF, K,500V
C529	ECKF1H103ZF	C 0.01UF, Z, 50V
C535	ECKD2H821KB2	C 820PF, K,500V
C538	ECQB1H333KF	P 0.033UF, K, 50V
C539	ECKD3D102JBN	C 1000PF, J, 2KV
C550	ECEA1HU2R2	E 2.2UF, 50V
C551	ECEA1HU100	E 10UF, 50V
C581	ECKD2H331KB2	C 330PF, K,500V
C582	ECEA1VU101	E 100UF, 35V
C593	ECEA1HU220	E 22UF, 50V
C602	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C603	ECEA1AU220	E 22UF, 10V
C604	ECCF1H471J	C 470PF, J, 50V
C606	ECKF1H103ZF	C 0.01UF, Z, 50V
C607	ECKF1H103ZF	C 0.01UF, Z, 50V
C608	ECKF1H103ZF	C 0.01UF, Z, 50V
C610	ECEA0JN330S	E 33UF, 6.3V
C615	ECKF1H221KB	C 220PF, K, 50V
C616	ECKF1H221KB	C 220PF, K, 50V
C619	ECCF1H100DC	C 10PF, D, 50V
C620	ECQB1H563JF	P 0.056UF, J, 50V
C621	ECCF1H180JC	C 18PF, J, 50V
C622	ECEA1HU3R3	E 3.3UF, 50V
C623	ECEA1HU2R2	E 2.2UF, 50V
C624	ECEA1CU101	E 100UF, 16V
C625	ECKF1H103ZF	C 0.01UF, Z, 50V
C627	ECEA0JN330S	E 33UF, 6.3V
C636	ECKF1H472KB	C 4700PF, K, 50V
C637	ECCF1H330J	C 33PF, J, 50V
C638	ECCF1H330J	C 33PF, J, 50V
C639	ECCF1H330J	C 33PF, J, 50V
C640	ECKF1H103ZF	C 0.01UF, Z, 50V
C641	ECQV1H104JZ	P 0.1UF, J, 50V
C642	ECEA1CU101	E 100UF, 16V
C643	ECKF1H103ZF	C 0.01UF, Z, 50V
C644	ECKF1H103ZF	C 0.01UF, Z, 50V
C645	ECEA1HUR47	E 0.47UF, 50V

Ref.No.	Part No.	Description
C646	ECEA1CU101	E 100UF, 16V
C647	ECUX1H102JX	C 1000PF, J, 50V MTV
C648	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C649	ECEA1HU010	E 1UF, 50V
C651	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C653	ECUX1H560JTX	C 56PF, J, 50V MTV
C654	ECQV1H104JZ	P 0.1UF, J, 50V
C655	ECQV1H104JZ	P 0.1UF, J, 50V
C656	ECUX1H271JCX	C 270PF, J, 50V MTV
C657	ECEA1HUR33	E 0.33UF, 50V
C658	ECUX1H330JCX	C 33PF, J, 50V MTV
C659	ECUX1H561JX	C 560PF, J, 50V MTV
C665	ECUX1H220JCX	C 22PF, J, 50V MTV
C667	ECUX1H331JPX	C 330PF, J, 50V MTV
C668	ECEA0JU101	E 100UF, 6.3V
C669	ECUX1H103ZFX	C 0.01UF, Z, 50V MTV
C670	ECKF1H103ZF	C 0.01UF, Z, 50V
C673	ECUX1H151JCX	C 150PF, J, 50V MTV
C674	ECUX1H221JCX	C 220PF, J, 50V MTV
C690	ECEA1HN2R2S	E 2.2UF, 50V
C801	ECKDNS471MBJ	C 470PF, M,
C802	ECQE10823MU	P 0.082UF, M, 1KV
C803	ECQE10683MU	P 0.068UF, M, 1KV
C804	ECQV1H224JZ	P 0.22UF, J, 50V
C805	ECKD2H472PU	C 4700PF, P,500V
C806	ECKD2H472PU	C 4700PF, P,500V
C807	ECKD2H472PU	C 4700PF, P,500V
C808	ECKD2H472PU	C 4700PF, P,500V
C809	EC0S2GP331DA	E 330UF, 400V MTV
C810	ECKD3D122JBN	C 1200PF, J, 2KV
C811	ECQB1H333JF	P 0.033UF, J, 50V
C812	ECA1VFQ560	E 56UF, 16V MTV
C813	ECEA1EU220	E 22UF, 25V
C814	ECKF1H152KB	C 1500PF, K, 50V
C815	ECES2DU221E	E 220UF, 200V
C816	ECEA1EGE102	E 1000UF, 25V
C817	ECES2DU151D	E 150UF, 200V MTV
C818	ECKD3A821KBN	C 820PF, K, 1KV
C819	ECEA1EU102	E 1000UF, 25V
C820	ECEA1VU331	E 330UF, 35V
C821	ECKD3A122KBP	C 1200PF, K, 1KV MTV
C822	ECKD2H391KB2	C 390PF, K,500V
C823	ECKD2H122KB2	C 1200PF, K,500V

Ref.No.	Part No.	Description
C824	ECKD2H122KB2	C 1200PF, K,500V
C825	ECKCNS152MEJ	C 1500PF, M, MTV
C826	ECEA0JU101	E 100UF, 6.3V
C827	ECEA1EGE102	E 1000UF, 25V
C828	ECEA1CGE102	E 1000UF, 16V
C829	ECEA1CU101	E 100UF, 16V
C830	ECEA0JU102	E 1000UF, 6.3V
C831	ECQV1H104JZ	P 0.1UF, J, 50V
C832	ECEA1CU100	E 10UF, 16V
C833	ECEA1HGE100	E 10UF, 50V
C834	ECKD2H471KB2	C 470PF, K,500V
C835	ECEA2AU100	E 10UF, 100V
C837	ECQV1H104JZ	P 0.1UF, J, 50V
C838	ECKD2H472PU	C 4700PF, P,500V
C839	ECKD3D391JBN	C 390PF, J, 2KV
C843	ECEA1HU2R2	E 2.2UF, 50V
C845	ECKDNS471MBJ	C 470PF, M,
C851	ECKD2H122KB2	C 1200PF, K,500V
C852	ECKD2H391KB2	C 390PF, K,500V
C1101	ECCF1H820J	C 82PF, J, 50V
C1102	ECKF1H103ZF	C 0.01UF, Z, 50V
C1103	ECKF1H103ZF	C 0.01UF, Z, 50V
C1104	ECKF1H561KB	C 560PF, K, 50V
C1105	ECCF1H330JP	C 33PF, J, 50V
C1106	ECCF1H330JP	C 33PF, J, 50V
C1107	ECEA0JU101	E 100UF, 6.3V
C1108	ECCF1H101J	C 100PF, J, 50V
C1118	ECKF1H101KB	C 100PF, K, 50V
C1119	ECEA0JU101	E 100UF, 6.3V
C1120	ECEA1HU330	E 33UF, 50V
C1121	ECEA1HU2R2	E 2.2UF, 50V
C1124	ECKF1H101KB	C 100PF, K, 50V
C1126	ECKF1H103ZF	C 0.01UF, Z, 50V
C1127	ECEA1CU100	E 10UF, 16V
C1128	ECKF1H101KB	C 100PF, K, 50V
C1129	ECKF1H103ZF	C 0.01UF, Z, 50V
C1130	ECEA0JU222	E 2200UF, 6.3V
C1131	ECEA50ZR33	E 0.33UF, 50V
C1132	ECEA50ZR47	E 0.47UF, 50V
C1133	ECEA50ZR33	E 0.33UF, 50V
C1134	ECKF1H221KB	C 220PF, K, 50V
C1135	ECEA0JU471	E 470UF, 6.3V
C1136	ECCF1H101J	C 100PF, J, 50V

Ref.No.	Part No.	Description
C1137	ECQB1H223KF	P 0.022UF, K, 50V
C1144	ECEA1CU220	E 22UF, 16V
C1145	ECKF1H103ZF	C 0.01UF, Z, 50V
C1176	ECKF1H101KB	C 100PF, K, 50V
C1177	ECKF1H221KB	C 220PF, K, 50V
C1178	ECCF1H101JC	C 100PF, J, 50V
C1179	ECCF1H101J	C 100PF, J, 50V
C1180	ECKF1H151KB	C 150PF, K, 50V
C1190	ECKF1H103ZF	C 0.01UF, Z, 50V
C1201	ECEA0JKS470	E 47UF, 6.3V
C1202	ECEA1HKS010	E 1UF, 50V
C1203	ECKF1H103ZF	C 0.01UF, Z, 50V
C1204	ECCF1H561J	C 560PF, J, 50V
C3101	ECEA1HN3R3S	E 3.3UF, 50V
C3102	ECQB1H222KF	P 2200PF, K, 50V
C3103	ECEA1CU221	E 220UF, 16V
C3105	ECQV1H104JZ	P 0.1UF, J, 50V
C3106	ECEA1CN470S	E 47UF, 16V
C3107	ECEA1CU471	E 470UF, 16V
C3108	ECKF1H471KB	C 470PF, K, 50V
C3109	ECKF1H103ZF	C 0.01UF, Z, 50V
C3113	ECKF1H103ZF	C 0.01UF, Z, 50V
C3117	ECEA1CN470S	E 47UF, 16V
C3118	ECEA1CU470	E 47UF, 16V
C3120	ECKF1H103ZF	C 0.01UF, Z, 50V
C3122	ECEA1HN3R3S	E 3.3UF, 50V
C3123	ECEA1CN330S	E 33UF, 16V
C3124	ECEA1CU100	E 10UF, 16V
	COILS	
L101	EIV7ES005B	TUNING COIL
L103	TLTACC8R2K	PEAKING COIL 8.2U
L109	TLI151761	COIL
L125	TLTACC151K	PEAKING COIL
L130	EIV7ES004B	IF TRANS
L132	TLI157051	FILTER
L134	TLTACC151K	PEAKING COIL
L135	EIV7EN035B	COIL
L137	TLTACC151K	PEAKING COIL
L138	TLTACC151K	PEAKING COIL
L139	EIV7EN034B	COIL
L140	TLTACC180K	PEAKING COIL 18U
L142	TLTACC180K	PEAKING COIL 18U
L143	TLTACC180K	PEAKING COIL 18U

Ref.No.	Part No.	Description
L145	TLTACC100K	PEAKING COIL 10U
L147	TLTACC150K	PEAKUNG COIL 15U
L228	EIS7ES002B	COIL
L501	EXCELSA35T	BEADS CORE MTV
L502	TLH6622P	LINEARITY COIL
L505	EXCELSA35T	BEADS CORE MTV
L506	EXCELSA35T	BEADS CORE MTV
L507	TSC930-4	CHOKE COIL
L511	TSK1002	COIL
L512	TSK1002	COIL
L603	EIK7ES002B	COIL
L617	TLTACC100K	PEAKING COIL 10U
L634	EIK7ES007B	COIL
L635	EIK7ES014B	I.F. TRANSFORMER MTV
L641	ELEXH100KA	PEAKING COIL
L642	ELEXH100KA	PEAKING COIL
L643	ELEXH100KA	PEAKING COIL
L655	EFDEN645A11G	DELAY LINE
L658	TLTACC100K	PEAKING COIL 10U
L667	TLTACC121K	PEAKING COIL
L801	ELF18D850H	LINE FILTER MTV
L802	ELF18D650W	LINE FILTER MTV
L804	TLP15154Q	COIL MTV
L805	TSC930-4	CHOKE COIL
L806	TSC930-4	CHOKE COIL
L807	TSC930-4	CHOKE COIL
L808	EXCELSA35T	BEADS CORE MTV
L809	EXCELSA35T	BEADS CORE MTV
L810	EXCELSA35T	BEADS CORE MTV
L811	EXCELSA35T	BEADS CORE MTV
L812	TSC930-4	CHOKE COIL
L814	TSC930-4	CHOKE COIL
L815	TSC930-4	CHOKE COIL
L816	EXCELDR25V	CORE
L818	TLP15154Q	COIL MTV
L827	TSC930-4	CHOKE COIL
L1101	ELEXH100KA	PEAKING COIL
L1102	ELEXH100KA	PEAKING COIL
L1103	ELEXH100KA	PEAKING COIL
L1104	ELEXH100KA	PEAKING COIL
L1105	ELEXH100KA	PEAKING COIL
L1106	EXCELSA35T	BEADS CORE
L1107	EXCELSA35T	BEADS CORE

Ref.No.	Part No.	Description
L1109	EXCELSA35T	BEADS CORE
L1110	TSK1002	COIL
L1111	ELEXH100KA	PEAKING COIL
L1112	ELEXH100KA	PEAKING COIL
L1113	ELEXH100KA	PEAKING COIL
L1114	ELEXH100KA	PEAKING COIL
L1115	ELEXH100KA	PEAKING COIL
L1127	TLTACC101K	PEAKING COIL 100U
L1128	TLTACC180K	PEAKING COIL 18U
L1143	EXCELSA35T	BEADS CORE MTV
L1144	EXCELSA35T	BEADS CORE MTV
LC302	TLK156060E	L-C COMBINATION MTV
LC310	ELB4L152B	COIL MTV
LC602	TAXSAB4250	FILTER MTV
LC670	ELB4K133B	COIL MTV
LC671	TLK160887E	L-C FILTER
	TRANSFORMERS	
T501	TLF15562F	FLYBACK TRANS. MTV⚠
T502	ETH19Y70AY	H DRIVE TRANS ⚠
T801	ETS34K407A	CHOPPER TRANS. MTV
	DIODES	
D114	MA165	DIODE
D115	MA165	DIODE
D152	MA4051M	DIODE
D153	MA165	DIODE
D225	MA165	DIODE
D226	MA165	DIODE
D411	ERA15-01	DIODE
D412	MA162	DIODE
D413	MA165	DIODE
D414	MA29WA	DIODE
D415	MA29WA	DIODE
D449	MA4360M	DIODE
D502	MA4360L	DIODE
D503	MA167	DIODE
D504	TVSEU2	DIODE
D506	TVSRU2AM	DIODE
D507	ERB06-15	DIODE
D508	TVSEU2	DIODE
D509	TVSEU2	DIODE
D522	MA4108J	DIODE
D523	MA171	DIODE
D531	TVSEU2	DIODE

Ref.No.	Part No.	Description
D634	MA165	DIODE
D635	MA1062M	DIODE
D801	TRPW5B0N120D	POSISTOR MTV
D802	TVSEG01A	DIODE
D803	TLP621GR-LF2	PHOTO COUPLER
D804	TVSEU1Z	DIODE
D805	TVSEU1Z	DIODE
D806	ENC621D-10A	RESISTOR MODULAT. MTV
D807	TVSRU2AM	DIODE
D808	TVSRU1	DIODE
D809	TVSEU2Z	DIODE MTV
D810	MA171	DIODE
D811	TVSRG2Z	DIODE
D812	MA182	DIODE
D813	MA4108J	DIODE
D814	TVSEU1Z	DIODE
D815	MA4108J	DIODE
D816	MA4108J	DIODE
D817	D4SB80Z	DIODE
D819	MA162	DIODE
D820	MA4360L	DIODE
D822	TVSEU1Z	DIODE
D823	MA182	DIODE
D1111	LN21RPHCF2	LED MTV
D1112	MA165	DIODE
D1117	MA4036H	DIODE
D1120	MA4068M	DIODE
D1121	MA4068M	DIODE
D1132	MA4082H	DIODE
D1176	MA165	DIODE
D1201	PH310	DIODE MTV
	INTEGRATED CIRCUITS	
IC101	M52034SP	IC MTV
IC102	TVSUPD4066BC	C-MOS LOGIC IC
IC201	AN5265	LINEAR IC
IC203	M52317SP	LINEAR IC MTV
IC401	LA7837	LINEAR IC MTV
IC601	AN5606K	LINEAR IC MTV
IC602	AN5636K	LINEAR IC MTV
IC802	STR-S6307	LINEAR IC MTV
IC803	SE140N	IC
IC804	AN78M05LB	LINEAR IC
IC805	AN78M12LB	LINEAR IC

Ref.No.	Part No.	Description
IC806	AN78M09LB	LINEAR IC
IC807	AN78M05LB	LINEAR IC
IC1102	MN152810TTC3	MOS IC MTV
IC1103	AN5071	LINEAR IC
IC1104	24C01AIPB21	IC MTV
IC1106	MN1280R	IC (MOS IC)
IC1201	UPC2801AHA	IC MTV
IC3110	M51320P	LINEAR IC
	TRANSISTORS	
Q101	2SC2188	TRANSISTOR
Q108	UN4214	TRANSISTOR
Q115	2SB709ATX	TRANSISTOR MTV
Q116	UN4214	TRANSISTOR
Q117	2SD601ATX	TRANSISTOR MTV
Q151	2SC1685-R	TRANSISTOR
Q218	2SC1685-R	TRANSISTOR
Q219	UN421E	TRANSISTOR MTV
Q220	UN421D	TRANSISTOR
Q233	2SA564AR	TRANSISTOR
Q301	2SC1685-R	TRANSISTOR
Q302	2SC1685-R	TRANSISTOR
Q303	2SA564AR	TRANSISTOR
Q351	2SC2258	TRANSISTOR
Q352	2SC2258	TRANSISTOR
Q354	2SC2258	TRANSISTOR
Q451	2SA564AR	TRANSISTOR
Q501	2SD1555	TRANSISTOR MTV
Q502	2SC3941H	TRANSISTOR MTV
Q503	2SA564AR	TRANSISTOR
Q511	2SC1685-R	TRANSISTOR
Q655	2SD601ATX	TRANSISTOR MTV
Q670	2SA564AR	TRANSISTOR
Q691	2SD601ATX	TRANSISTOR MTV
Q801	2SA564AR	TRANSISTOR
Q802	2SB1438	TRANSISTOR MTV
Q803	2SC1473	TRANSISTOR
Q805	2SA564AR	TRANSISTOR
Q806	TVSAC03EGMYH	THYRISTOR
Q1101	2SC1685-R	TRANSISTOR
Q1111	2SC1685-R	TRANSISTOR
Q1112	UN4212	TRANSISTOR
Q1113	UN4212	TRANSISTOR
Q1115	2SC1685-R	TRANSISTOR

Ref.No.	Part No.	Description
Q1136	2SC1685-R	TRANSISTOR
Q1160	2SC1685-R	TRANSISTOR
Q3110	2SC1685-R	TRANSISTOR
	OTHERS	
E1	TJS5A9900	6P CONNECTOR
E.22	TJS118610	4P CONNECTOR
E.32	TJS118620	5P CONNECTOR
E.33	TJS118610	4P CONNECTOR
F801	XBA2C31TR0	FUSE 250V 3.15A ⚠
JA.1	ERJ6GEY0R00	M 0OHM,J,1/10W
JA.2	ERJ6GEY0R00	M 0OHM,J,1/10W
JA.3	ERJ6GEY0R00	M 0OHM,J,1/10W
JA.4	ERJ6GEY0R00	M 0OHM,J,1/10W
JA.5	ERJ6GEY0R00	M 0OHM,J,1/10W
JA.6	ERJ6GEY0R00	M 0OHM,J,1/10W
JA.7	ERJ6GEY0R00	M 0OHM,J,1/10W
JA.8	ERJ6GEY0R00	M 0OHM,J,1/10W
JSE.1	ERJ6GEY0R00	M 0OHM,J,1/10W
JSE.2	ERJ6GEY0R00	M 0OHM,J,1/10W
JSE.3	ERJ6GEY0R00	M 0OHM,J,1/10W
JSE.4	ERJ6GEY0R00	M 0OHM,J,1/10W
S401	EVQRAAL10	SWITCH
S801	ESB99902S	SWITCH
S1101	EVQ-PBD05	SWITCH MTV
S1102	EVQQKH06K	SWITCH
S1103	EVQQKH06K	SWITCH
S1104	EVQQKH06K	SWITCH
S1106	EVQQKH06K	SWITCH
S1107	EVQQKH06K	SWITCH
S1108	EVQQKH06K	SWITCH
S1109	EVQQKH06K	SWITCH
S1110	EVQQKH06K	SWITCH
S1111	EVQQKH06K	SWITCH
S1112	EVQQKH06K	SWITCH
S1113	EVQQKH06K	SWITCH
SE.1	TJS1A9640	CONNECTOR
SE.2	TJS1A9640	CONNECTOR
SE.3	TJS1A9640	CONNECTOR
X101	TFCH38MVK03	SAW FILTER ⚠
X103	EFCS6R0MW5	CERAMIC FILTER
X105	EFCS4R5MW5	
X120	EFCS6R5MW5	CERAMIC FILTER
X136	EFCS5R5MW3	CERAMIC TRAP

Ref.No.	Part No.	Description
X208	EFCS5R5MS5	CERAMIC FILTER
X209	EFCS4R5MS5	FILTER
X210	EFCS6R5MS5	CERAMIC FILTER
X211	SFSH6R0MDB	CERAMIC FILTER MTV
X212	CSB1000J527	CRYSTAL OSC MTV
X506	CSB500F48	CRYSTAL OSC MTV
X632	TS116M20	CRYSTAL OSC MTV
X634	TS816M32	CRYSTAL OSC MTV
X1102	TAF10020	CERAMIC FILTER MTV