

Service Manual

Projection Television



TX-51P950M
TX-51P950X
TX-43P950M
TX-43P950X
 GP11N-VP

Specifications

	TX-43P950M / TX-51P950M	TX-43P950X/TX-51P950X
Power Source	AC 220 - 240 V, 50 / 60 Hz	AC 220 - 240 V, 50 / 60 Hz
Power Consumption	Stand-by condition: less than 1W Normal viewing: 165 W(43"),170W(51")	Stand-by condition: 0.5 W Normal viewing : 165W(43"),170W(51")
	TX-43P950M / X	TX-51P950M/X
Dimensions (W × H × D)	1095 mm × 1267.5 mm × 518 mm	1298 mm × 1394 mm × 518 mm
Mass (Weight)	58 kg (Net)	68 kg (Net)
Remote control Transmitter	N2QAJB000109 R6 (AA) Battery × 2	
Receiving System		

Panasonic

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21 Systems		Function
1	PAL B, G, H	Reception of broadcast transmissions and Playback from Video Cassette Tape Recorders.
2	PAL I	
3	PAL D, K	
4	SECAM B, G	
5	SECAM D, K	
6	SECAM K1	
7	NTSC M (NTSC 3.58/4.5 MHz)	

21 Systems		Function
15	PAL 60 Hz/5.5 MHz	Playback from Special Disc Players and Special VCR's
16	PAL 60 Hz/6.0 MHz	
17	PAL 60 Hz/6.5 MHz	
18	SECAM 60 Hz/5.5 MHz	
19	SECAM 60 Hz/6.0 MHz	
20	SECAM 60 Hz/6.5 MHz	
21	NTSC 50 Hz/ 4.5 MHz	

21 Systems		Function
8	NTSC 4.43/5.5 MHz	Playback from Special VCR's
9	NTSC 4.43/6.0 MHz	
10	NTSC 4.43/6.5 MHz	
11	NTSC 3.58/5.5 MHz	
12	NTSC 3.58/6.0 MHz	
13	NTSC 3.58/6.5 MHz	
14	SECAM I	

Receiving Channels

Regular TV

VHF BAND

2-12 (PAL/SECAM B, K1)

0-12 (PAL B AUST.)

1-9 (PAL B N.Z)

1-12 (PAL/SECAM D)

1-12 (NTSC M Japan)

2-13 (NTSC M U.S.A)

UHF BAND

21-69 (PAL G, H, I/SECAM G, K, K1)

28-69 (PAL AUST.)

13-57 (PAL D, K)

13-62 (NTSC M Japan)

14-69 (NTSC M U.S.A)

CATV

S1-S20 (OSCAR)

1-125 (U.S.A CATV)

C13-C49 (JAPAN)

S21-S41 (HYPER)

Z1-Z37 (CHINA)

5A, 9A (AUST.)

Receiving Stereo System

NICAM I, NICAM B/G, NICAM D, A2 (German)

Tuning System

Frequency synthesizer

Auto Search Tuning

POSITION: 100 Position

DIRECT: 125 Position

Audio Output

24W [12 W +12 W] (10 % THD)

Speaker System

Woofer × 2 + Squawker × 2

Headphones

3.5 mm Plug × 1

Aerial Impedance

75 Ω Unbalanced coaxial

Video / Audio / Component Terminals

AV 1, 2, 3, 4,

S Video In

Y: 1 V p-p, 75 Ω

C: 0.3 V p-p, 75 Ω

DVD (Y/ P_B/ P_R)

Video In

1 V p-p, 75 Ω

Audio In

Approx. 0.5 V 47 KΩ

Monitor Out

Video Out

1 V p-p, 75 Ω

Audio Out

Approx. 0.5 V, 1 KΩ

AV1 IN (Rear): S Video, Video, Audio L/R terminals

AV2 IN (Rear): Video or Y/ P_B/ P_R, Audio L/R terminals

AV3 IN (Front): S Video, Video, Audio L/R terminals

AV4 IN (Rear): Video or Y/ P_B/ P_R, Audio L/R terminals

Applicable signal to AV2, AV4 Y/ P_B/ P_R input terminals: 480i (525i), 576i (625i), 480P (525P) and 576P (625P)

Notes: Design and Specifications are subject to change without notice. Weight and Dimensions shown are approximate.

WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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1 Safety Precautions

1.1. General Guide Lines

1. It is advisable to insert an isolation transformer in the AC supply before servicing a hot chassis.
2. When servicing, observe the original lead dress, especially the lead dress in the high voltage circuits.
If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
3. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers, shields, and isolation R-C combinations, are properly installed.
4. When the receiver is not to be used for a long period of time, unplug the power cord from the AC outlet.
5. Potential, as high as **30.0kV**, is present when this monitor is in operation. Operation of the Projection Monitor without the rear cover involves the danger of a shock hazard from the power supply. Servicing should not be attempted by anyone who is not thoroughly familiar with the precautions necessary when working on high voltage equipment. Always discharge the anode of the projection tube to the Projection Monitor chassis before handling the tube.
6. After servicing make the following leakage current checks to prevent the customer from being exposed to shock hazards.

1.2. Leakage Current Cold Check

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Turn on the Projection Monitor's power switch.
3. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the projection monitor, such as screw heads, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between 4 M Ω and 20 M Ω .

When the exposed metal does not have a return path to the chassis, the reading must be ∞ .

1.3. Leakage Current Hot Check (See Fig.1)

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a 2k Ω , 10W resistor, in series with an exposed metallic part on the projection monitor and an earth such as a water pipe.
3. Use an AC voltmeter, with high impedance type, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet and repeat each of the above measurements.
6. The potential at any point should not exceed 1.0V rms. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the projection monitor should be repaired and rechecked before it is returned to the customer.

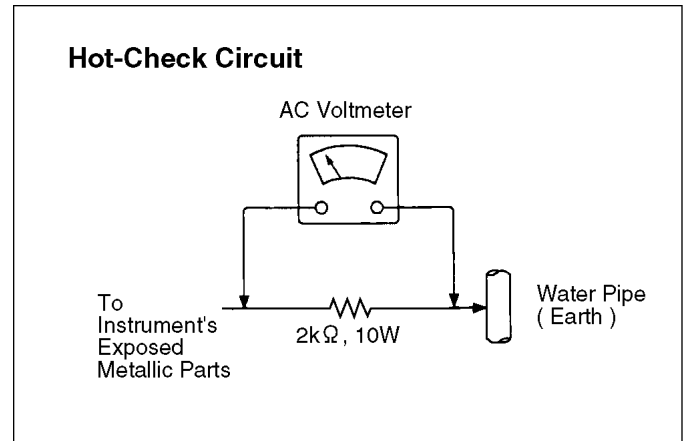


Fig. 1

1.4. X-Radiation

Warning :

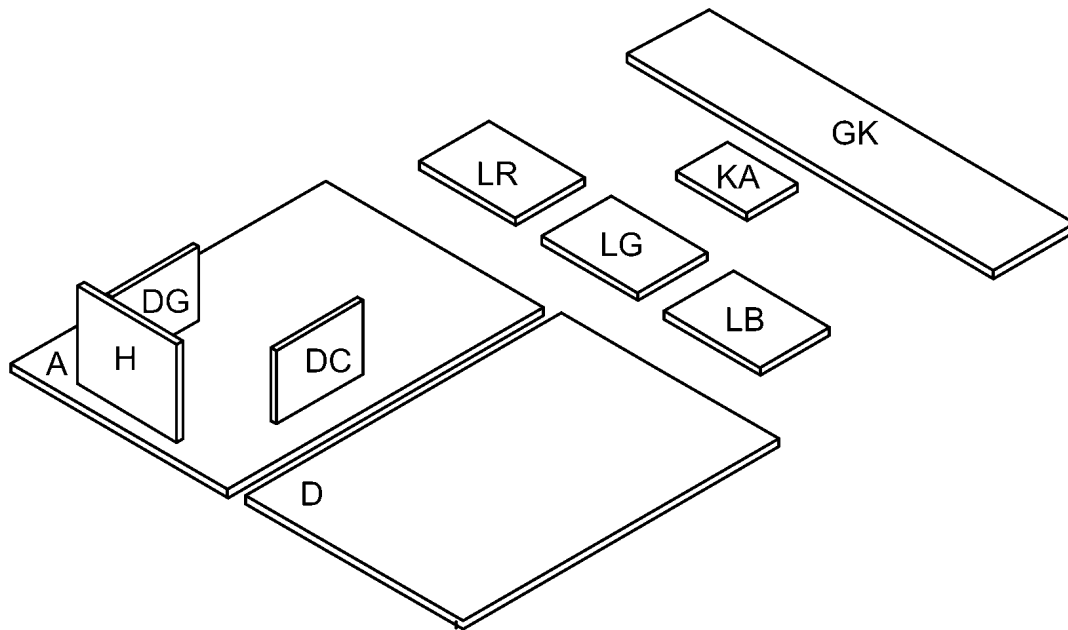
1. The potential sources of X-Radiation in projection monitor are the High Voltage section and the projection tube.
2. When using a projection tube test jig for service, ensure that jig is capable of handling **31.5kV** without causing X-Radiation.

Note:

It is important use an accurate periodically calibrated high voltage meter.

1. Set the brightness to minimum.
2. Set the service switch to the service position.
3. Measure the High Voltage. The meter reading should indicate **31.5(+1.0,-1.5kV)**. If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure.
4. To prevent an X-Radiation possibility, it is essential to use the specified projection tube.

2 Chassis Board Layout

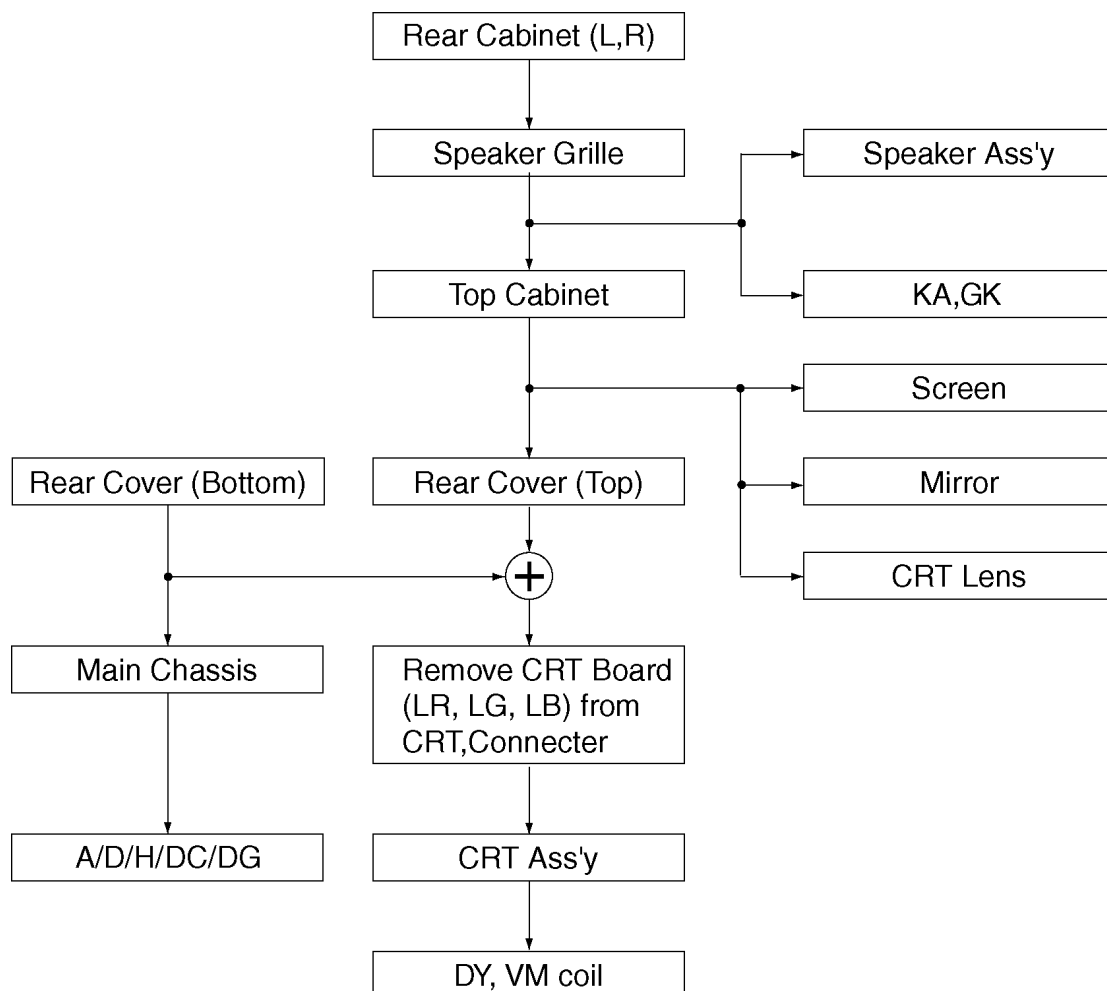


Board-Name	Function
A-Board	Main Signal, Digital Converter, Line Filter
D-Board	Deflection, High Voltage
LR-Board	CRT Drive (R)
LG-Board	CRT Drive (G)
LB-Board	CRT Drive (B)
H-Board	Rear terminal
DG-Board	Digital Core, MPU, AV Switch
DC-Board	Convergence
GK-Board	Front Terminal, Power Switch, Front Control panel
KA-Board	Blue light

3 Disassembly for Service

This flowchart indicates disassembly items of the cabinet parts and circuit boards in order to find the items necessary for servicing, when reassembling, perform the procedures in the reverse order.

3.1. Disassembly Flowchart

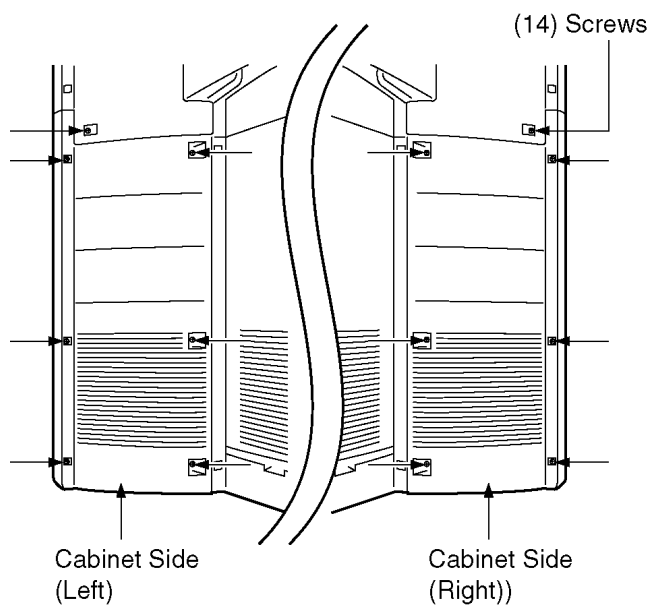


Note:

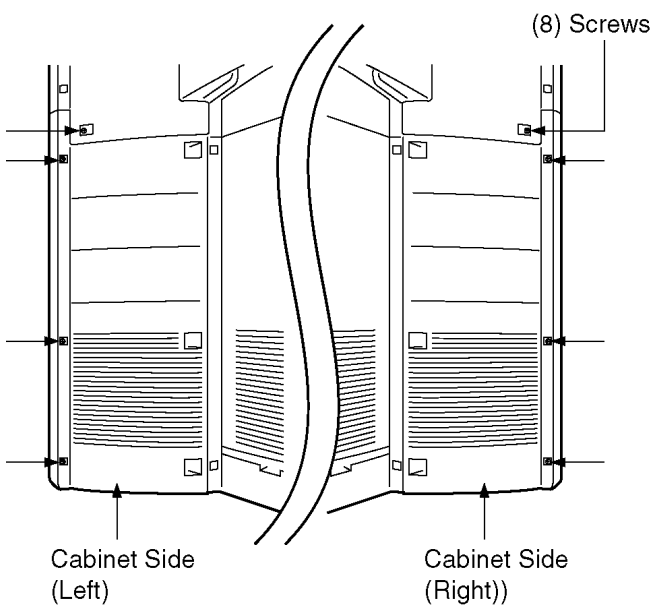
Board ground wires may have to be disconnected to disassemble some boards. All ground wires must be reconnected using jumper leads if necessary before power is applied to Receiver for service.

3.2. Cabinet Side (L, R)

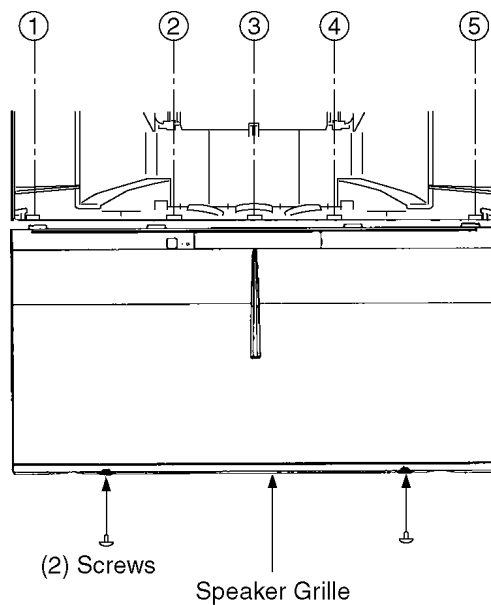
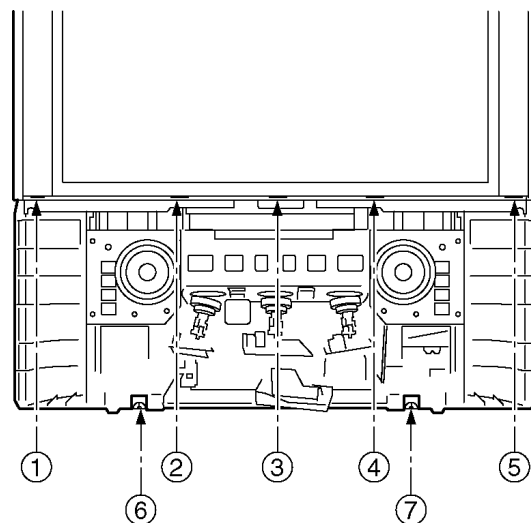
1. Remove (14) screws.

**3.3. Speaker Grille**

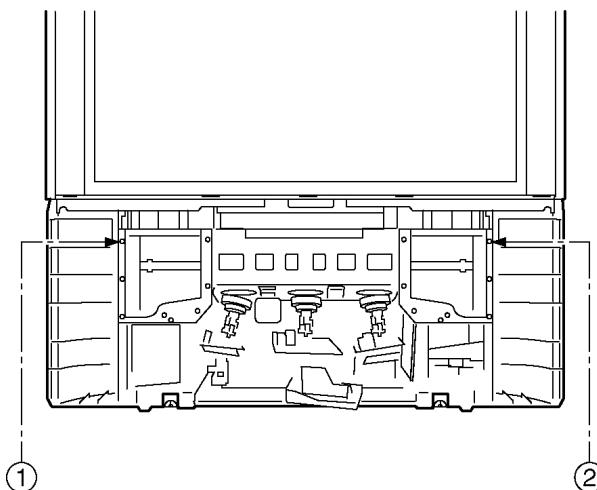
1. Remove (8) screws.

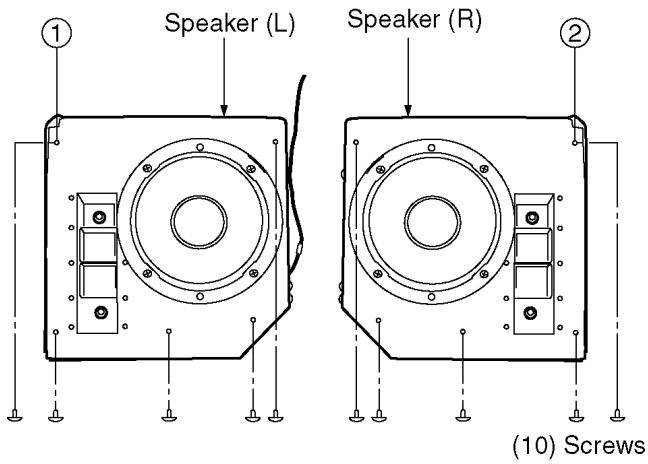


2. Remove (2) screws.

**3.4. Speaker Ass'y**

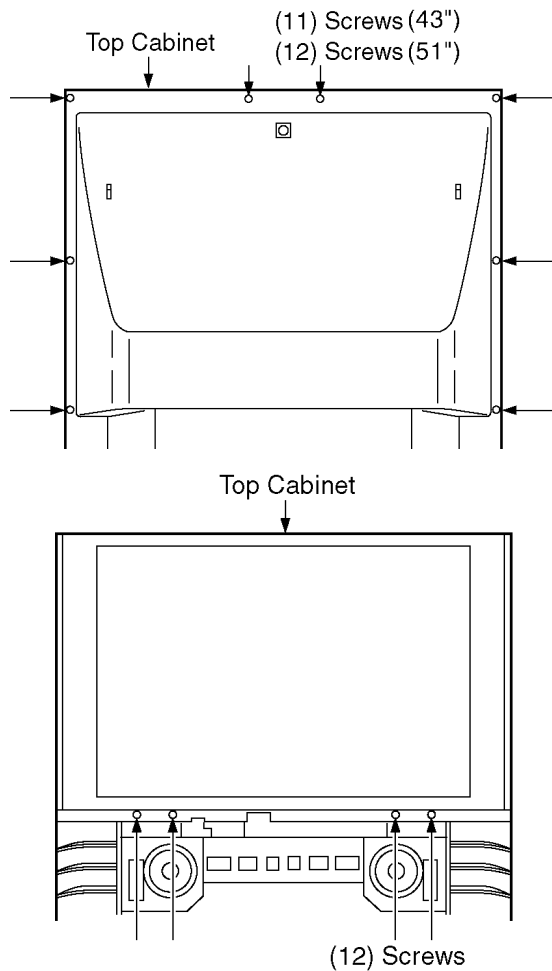
1. Remove (10) screws.



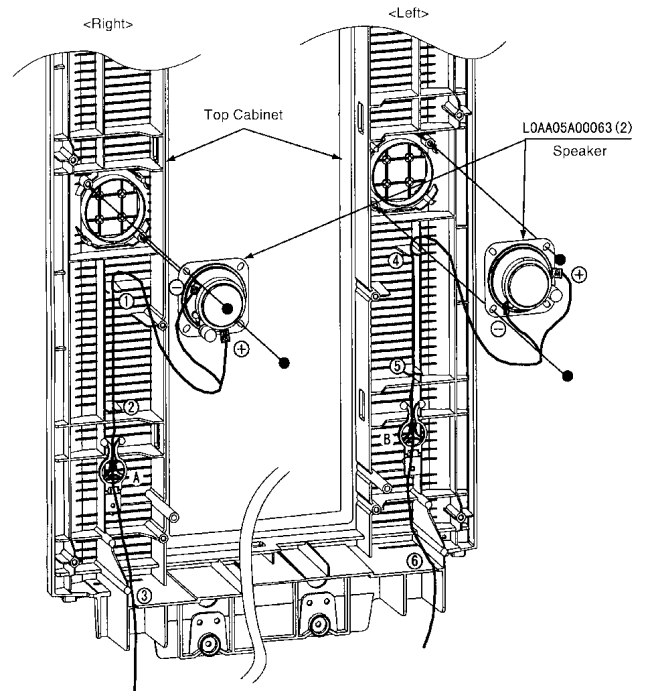


3.5. Cabinet (Top)

1. Remove (12) Screws.

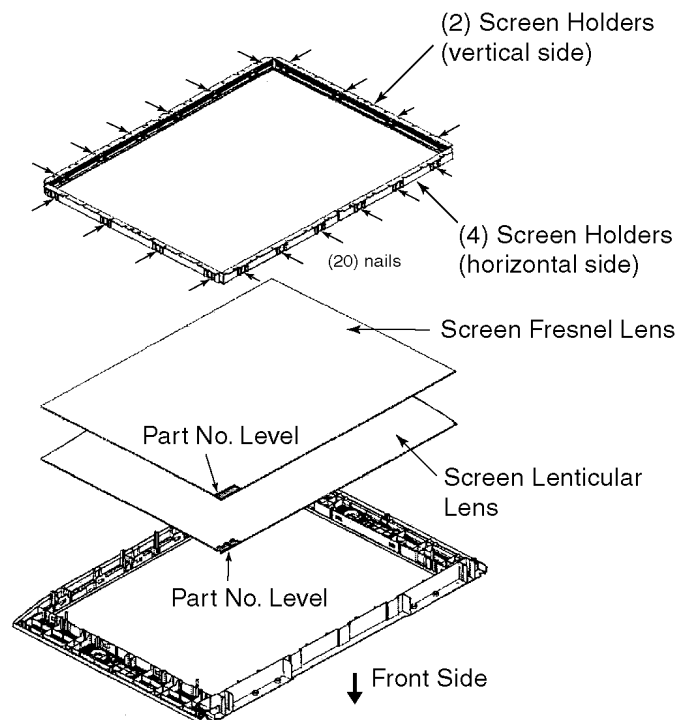


3.6. Speaker (Top Cabinet)



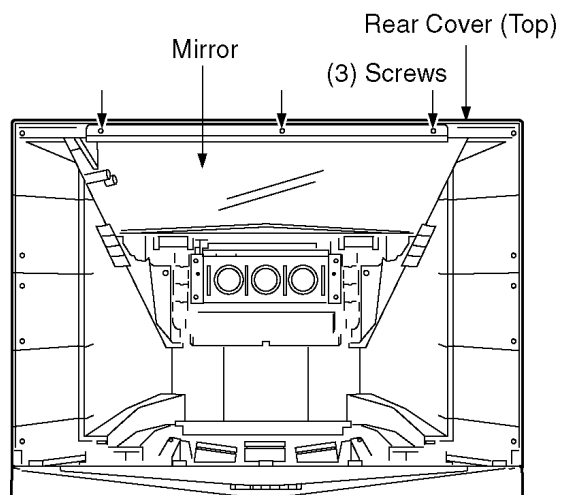
3.7. Screen

1. Remove (20) nails, and remove (2) Screen Holders (vertical side) and (4) Screen Holders (horizontal side).



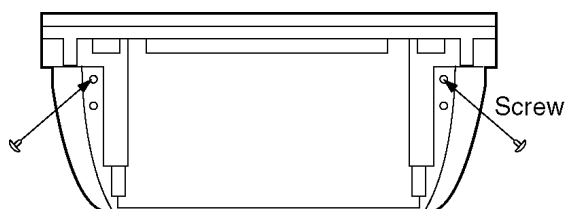
3.8. Mirror

1. Remove (3) screws.



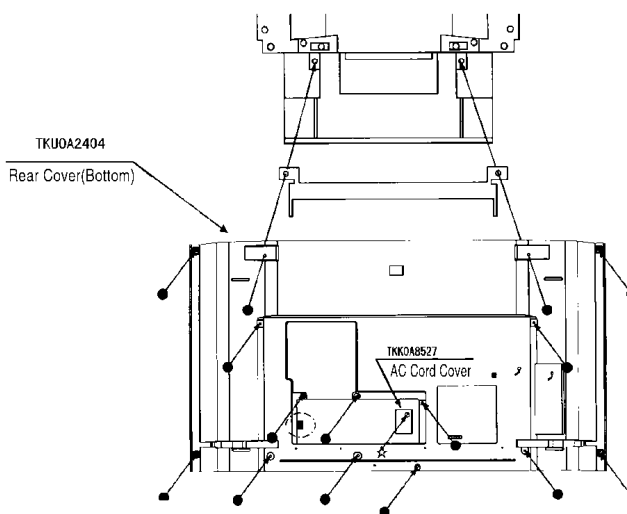
3.9. Rear Cover (Top)

1. Remove the Top Cabinet.
2. Remove (2) screws.



3.10. Rear Cover (Bottom)

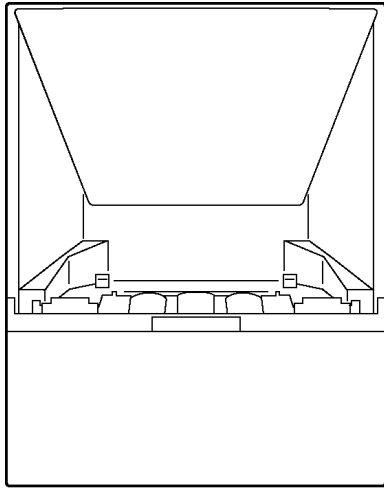
1. Remove (15) screws.
2. Remove (1) screw.



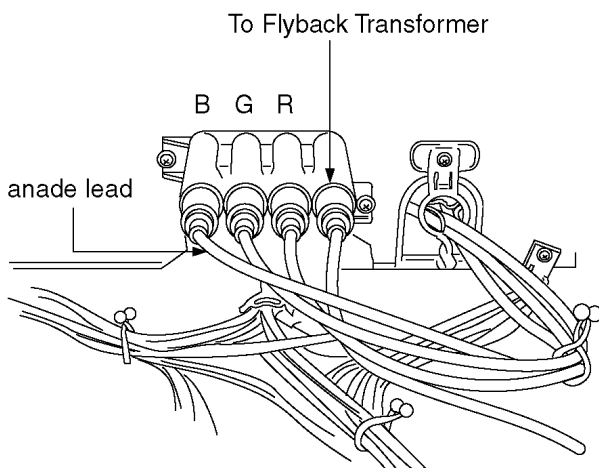
3.11. Disassembly For CRT Removal

To facilitate CRT replacement, the complete CRT mounting chassis does not need to be removed.

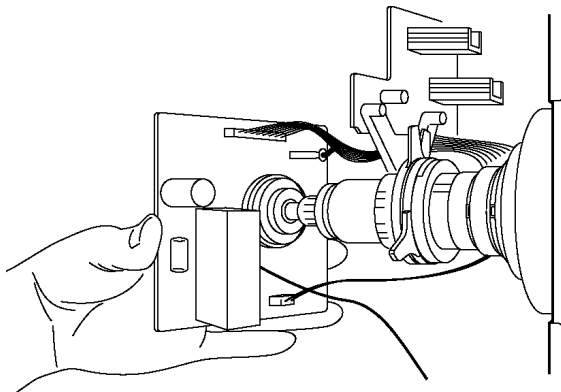
1. Remove the Screen Frame Ass'y, Decorative Panel and the Bottom Rear Cover Ass'y. (See Disassemble for Service).



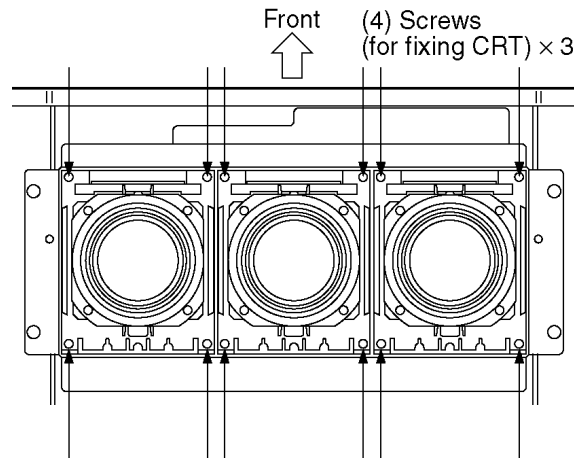
2. Unplug the defective CRT Dag (GND), from the CRT Board, LBGND for LB, LGGND for LG, LRGND for LR.
3. Remove lead wires (DY, VM coil) and anode lead wire from holders as necessary.



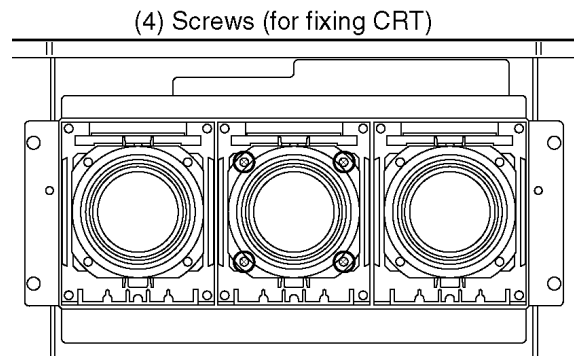
4. Remove the CRT Board from the defective CRT neck.



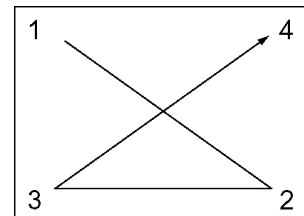
5. Note position of yoke with centering tabs and remove from defective CRT.
6. From the Top, remove (2) screws from the defective CRT.



7. Release CRT anode lead from CRT chassis wire clamp and all other wires from holders.
8. Wire the anode lead wire.
9. Lift out CRT assembly with lens assembly and other CRT neck assemblies.
10. Lay CRT face down on a soft cloth.
11. Remove CRT lens by removing (4) screws.



12. Install yoke and VM coil with other CRT neck assemblies on CRT neck in the same order and position as removed from the defective CRT.
13. Push yoke against bell of CRT and tighten the clamp just snug enough so it will not easily shift.
14. Assemble CRT focus lens assembly to new CRT with (4) screws. Make sure focus lens adjustment nut is in the same location as on other CRT focus lens.



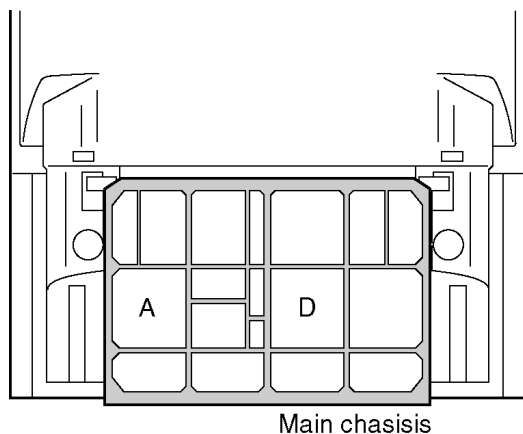
Note:

Please assemble with screws in the order shown in detail and tighten with same torque.

4 Service Hints

4.1. Service position for Main chassis

1. Remove the Rear Cover (Bottom) by removing (15) screws and (1) screws around its perimeter.
2. Remove lead wires and bundles from holders as necessary.
3. Pull out main chassis and stand it.



PART No. :GP11(N)-2



PART No. :GP11(N)-3

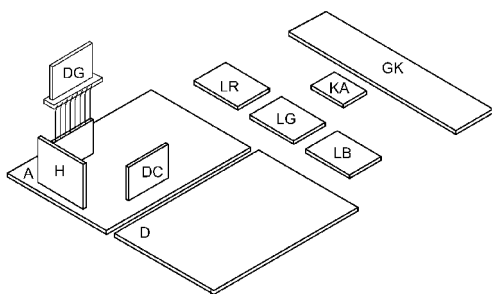


4.2. Service Position for DG-Board

1. Remove the each circuit board from A or D-Board.
2. Connect extension cables between individual circuit board and A or D-Board.

Note:

Extension cable kit is supplied as service fixtures and tools.

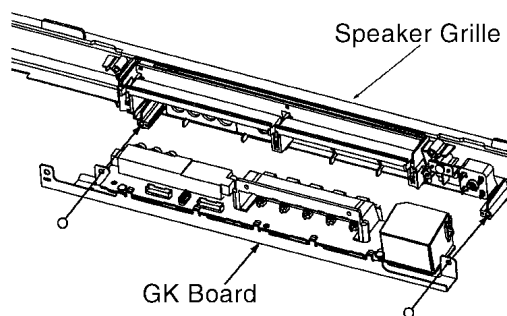


PART No. :GP11(N)-1



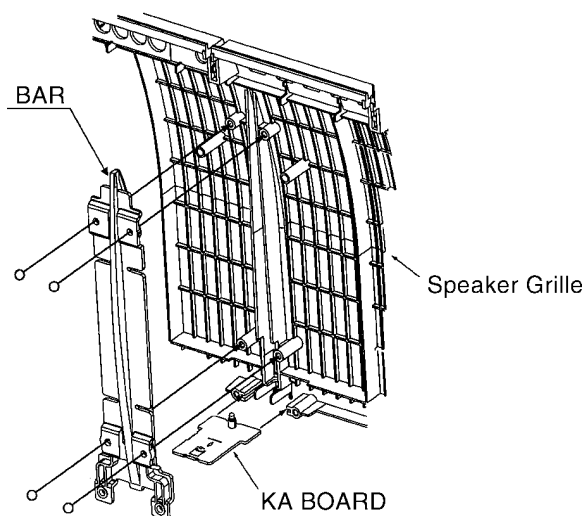
4.3. Service Position for K-Board

1. Remove the Speaker Grille.
2. Remove the K-Board by (4) screws.



4.4. Service Position for KA-Board

1. Remove the Speaker Grille.
2. Remove the Terminal Door by (4) screws.



3. Remove the KA-Board.

4.5. VOLTAGE CHART

D-BOARD

+/-B	Measuring point	GND	Specification
+5 V	D1 ①②	D1 ⑥⑨⑩	+5.1 V ± 0.4 V
+139 V	D5 ⑧		+139.0 V ± 1.5 V
-18 V	D3 ①②		-18.9 V ± 1.2V
+18V	D3 ③④⑤		+18.6 V ± 1.2 V
+9 V	D2 ④⑤⑥	↓	+9.7 V ± 0.7 V
+30 V	D1 ⑭⑮⑯	D1 ⑪⑫⑬	+30.9 V ± 1.5 V

A-BOARD

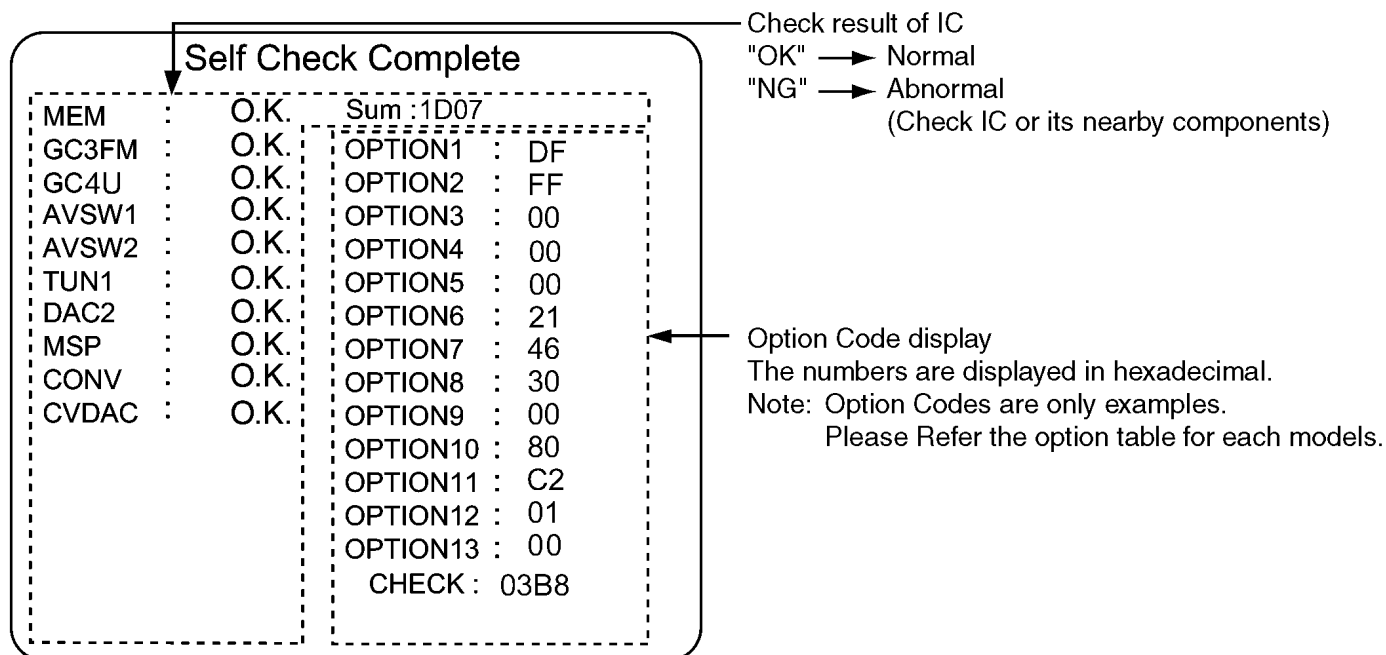
SUPPLY	TEST POINT	VOLTAGE
12V ~ GND	A5 PIN9	11.9 ± 0.45V
TNR-5V ~ GND	IC001 PIN3	5.0V ± 0.4V
9V ~ GND	IC058 PIN3	9.0V ± 0.4V
8V ~ GND	IC2000 PIN2	8.0V ± 0.4V
5V ~ GND	IC2002 PIN3	5.0V ± 0.4V
3.3V ~ GND	IC065 PIN2	3.2V ± 0.2V
2.5V ~ GND	IC1402 PIN4	2.5V ± 0.25V

Heater Voltage And High Voltage

TPLB3(+) ~ TPLB2(-)	6.3 ± 0.24VRMS
High Voltage	31.5+1.0KV, -1.5KV

5 Self Check

1. Self-Check is used to automatically check the bus lines and hexadecimal code of the TV set.
2. To get into the Self -Check mode press the down (—/√) button on the customer controls at the front of the set, at the same time pressing the OFF Timer button on the remote control, and the screen will show :



If the CCU ports have been checked and found to be incorrect or not located then "--" will appear in place of "O.K.".

Display	Ref. No.	Description	P.C.B.
MEM	IC1404	Memory	A-Board
GC3FM	IC4001	Grobal Core MAIN	DG-Board
GC4U	IC4401	Grobal Core SUB	DG-Board
AVSW1	IC3001	AV Switch	DG-Board
AVSW2	IC3002	AV Switch	DG-Board
TNU1	TU1	Tuner	A-Board
DAC2	IC1101	DAC Control2	DG-Board
MSP	IC2001	Stereo Decoder	A-Board
CONV	IC7103	Convergence	DC-Board
CVDAC	IC7106	CONV. DAC	DC-Board

6 Service Mode Function

MPU controls the functions switching for each IICs through IIC bus in this chassis. The following setting and adjustment can be adjusted by remote control in Service Mode.

6.1. How to enter SERVICE 1

1. In sound menu, set BASS to MAX, and set TREBLE to MINIMUM.
2. Simultaneously press RECALL button on remote control and VOLUME DOWN button [-] on the TV set.

6.2. How to enter SERVICE 2

1. Set the channel to CH99.
2. Press HOLD button on remote control.

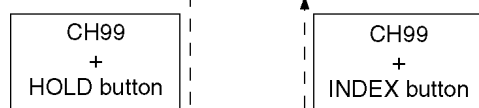
Note:

To exit to Service mode, press N or Power button on remote control.

SERVICE 1

Function	Average Data
H-Pos	438
V-Pos	132
H-Amp	28
V-Amp	119
Parabola	68
Trapezoid	131
H-Parallel	8
V-Linear	134
Top-Corner	180
Bottom-Corner	180
V-S-Correct	55
C-Correct	7
IVBL C	160
G-LIMIT	255
B-LIMIT	255
WB-B-G-ST1	255
R High(Drive)	0128
G High(Drive)	0128
B High(Drive)	0128
R Low(Cut off)	0690
G Low(Cut off)	0640
B Low(Cut off)	0640
Sub-Bright	168
Sub-Contrast	154
Sub-Colour	26
Sub-NTSC Tint	-4
SECAM B-Y	192
SECAM R-Y	70
Sub-NTSC Tint2	129
Sub SECAM B-Y	192
Sub SECAM R-Y	70
Video Gain 2	20
SDRAM-F	-1
DAF-H-PARA	312
DAF V-SAW	9
DAF V-PARA	
Coarse Convergence	Access
Fine Convergence	Access

- Press the RED/GREEN button to step up/down through the functions.
- Press the YELLOW/BLUE button to change the function values.
- Press the STR button after each adjustment has been made to store the required values.

**SERVICE 2**

Function		Function	
Y/C Delay	04	OPTION 8	10
OPTION 1	FF	OPTION 9	40
OPTION 2	FF	OPTION 10	80
OPTION 3	23	OPTION 11	C2
OPTION 4	E2	OPTION 12	01
OPTION 5	DE	OPTION 13	01
OPTION 6	01	Hours	00005
OPTION 7	46		

6.3. Option Description

Options	M	X		ASIA	
option1	5F	5F			
0E0	b0	1	1	Colour system	Auto (1)
	b1	1	1		SECAM (1)
	b2	1	1		NTSC (1)
	b3	1	1		M.NTSC (1)
	b4	1	1	EFC	with EFC(0),without EFC(1)
	b5	0	0	BBE (1)	enable (1)
	b6	1	1	BLUE LEDO (1)	enable (1)
	b7	0	0	CH SEARCH	enable (0)
option2	FF	FF			
0E1	b0	1	1	CH Plan	ASIA / M.E. / HK / UK / CHINA (1)
	b1	1	1		NZ/INDNES (1)
	b2	1	1		AUSTRALIA (1)
	b3	1	1		E.EUROPE (1)
	b4	1	1		SPECIAL (1)
	b5	1	1		AMERICA (1)
	b6	1	1		CATV (1)
	b7	1	1		JAPAN (1)
option3	01	01			
0E2	b0	1	1	sub picture	without sub-picture (0), with sub-picture (1)
	b1	0	0	2tuner	2tuner (1), 1tuner (0)
	b2	0	0	VGA	enable (1)
	b3	0	0	AV5	enable (1)
	b4	0	0	Wide (16:9)	16:9 (1), 4:3 (0) (change multi window / aspect operation)
	b5	0	0	HYPER	UHF only (0), UHF/VHF (1)
	b6	0	0	SIF	4.5 / 5.5 / 6.0 / 6.5 (0), 5.5 / 6.0 / 6.5 (1)
	b7	0	0		5.5 / 6.5 (2), 6.0 / 6.5 (3)
option4	E2	E2			
0E3	b0	0	0	A2 enable	4.5 (1)
	b1	1	1		5.5 (1)
	b2	0	0		6.0 (1)
	b3	0	0		6.5 (1)
	b4	0	0	NICAM enable	4.5 (1)
	b5	1	1		5.5 (1)
	b6	1	1		6.0 (1)
	b7	1	1		6.5 (1)
option5	DE	DE			
0E4	b0	0	0	A2 select 6.5MHz	5.742MHz (0) 6.742MHz (1)
	b1	1	1	NICAM priority	ASIA / M.E. (1)
	b2	1	1		HK / UK (1)
	b3	1	1		CHINA (1)
	b4	1	1		NZ / INDN (1)
	b5	0	0		AUSTRA (1)
	b6	1	1		E.EURO (1)
	b7	1	1		SPECIAL (1)

Options	M	X		ASIA	
option6	20	22			
0E5	b0	0	0	Ext. HV input	Without HV input (0) / with HV input (1)
	b1	0	1	SASO enable	SASO enable (1)
	b2	0	0	Noise mute	Noise mute enable (0)
	b3	0	0	Monitor out AV1 mute	Monitor out AV1 mute (1)
	b4	0	0	Tuner no regresh	Refresh tuner (0), no refresh (1)
	b5	1	1	Tuner	MACO tune r(0), ALPS tuner (1)
	b6	0	0	HYPER	UHF only(0), UHF/VHF(1)
	b7	0	0	IF IIC	IIC controlled Tuner IF moudle(1)
option7	C6	C6			
0E6	b0	0	0	Power up EC-Mode	Power on EC enable (1)
	b1	1	1	CH Blanking	Blanking enable (1)
	b2	1	1	AV Blanking	Blanking enable (1)
	b3	0	0	Auto WIDE	WSS enable only in aspect Auto (0), WSS always enable (1)
	b4	0	0	Volume correction	TV Volume correction enable (1)
	b5	0	0	AVLink	Q-Link on/off selectable in menu (1)
	b6	1	1	MPX/NICAM display	Display NICAM (0), Display MPX (1)
	b7	1	1	Owner ID	enable (1)
option8	70	70			
0E7	b0	0	0	Teletext CH Refrech	enable (1)
	b1	0	0	Geomagnetic Sensor	Geomagnetic sensor enable (1)
	b2	0	0	Geomagnetic Polarity	Geomagnetic polarity +(0), -(1)
	b3	0	0	Rf Attenuater menu	Enable (1)
	b4	1	1	Fine tuning	Enable (1)
	b5	1	1	Search speed	Slow (1) Fast (0)
	b6	1	1	TEXT	enable (1)
	b7	0	0	TEXT TOP	TOP enable (1)
option9	00	00			
0E8	b0	0	0	Jpeg Auto On	Jpeg Auto On Enable(1)/Disable(0)
	b1	0	0	3D Subwoofer	Subwoofer enable(1) Dolby model should be 0.
	b2	0	0	Dolby Virtual	Dolby Virtual enable (1)
	b3	0	0	Amp	with Amp (0) / without Amp (1)
	b4	0	0	Sound Ext. DA	without Sound Ext. DA (0) / with Sound Ext. DA (1)
	b5	0	0	shopping Sound menu	MUSIC (0) / CINEMA (1)
	b6	0	0	Volume curve	Volume curve1 (0), curve2 (1)
	b7	0	0	LIPSYNC	LIPSYNC enable (1)
option10	84	87			
0E9	b0	0	1	OSD language	OSD large font(0)/Small font(1)
	b1	0	1	ACI all country	OSD language :With Arabic(1)
	b2	1	1	ACI auto MP	Lower POS disable(1)
	b3	0	0	ACI offset	not use
	b4	0	0	Blue Back	BLUE BACK on/off selection in menu(0)
	b5	0	0	Aspect AUTO	Disable(1)
	b6	0	0	S1/S2 disable	Disable(1)
	b7	1	1	Protect 5V detect	Protection input enable (1)

Options Model		M	X		ASIA
option11		42	42		
0EA	b0	0	0	Acuity Demo	enable (1)
	b1	1	1	Picture Shift	enable (1)
	b2	0	0	Shop mode	enable (1)
	b3	0	0	User aspect Just	enable (1)
	b4	0	0	User aspect 14:9	enable (1)
	b5	0	0	NICAM C4 bit	enable (1)
	b6	1	1	ID-1	enable (1)
	b7	0	0	1080I	enable (1)
option12		01	01	Area Option	
0EB	b0	1	1	Asia	Asia (1), europe (0)
	b1	0	0	Australia	Australia (1)
	b2	0	0	Ireland/India	India (1)
	b3	0	0	UK/Korea	Korea(1)
	b4	0	0	MELCOA	MELCOA (1)
	b5	0	0	28 inch	28 inch (1) when only Large size=0, Wide=1, PTV=0
	b6	0	0	Large size	(52(1)/42(0) for PTV,36(1)/32(0) for Wide,34(1)/29(0) for 4:3)
	b7	1	1	free	
option13		00	00	Temporary	
0EC	b0	0	0	Jpeg Burn Protection	enable(0),disable(1)
	b1	0	0	Tuner IF 38.9	38.0MHz (0),38.9MHz(1)
	b2	0	0	New ALBD	ALBD 14:9 & Zoom3 disable(1)
	b3	0	0	IDTV	enable(1)
	b4	0	0	Viewing mode	common data for each source(1),separate for each source=GPIE (0)
	b5	0	0	TEXT refresh for Euro	not use
	b6	0	0		
	b7	0	0		

7 CRT Set Up

Caution:

Insure yoke plugs on the A-Board are reconnected before turning the Receiver ON to prevent damage to the horizontal output transistor and/or CRTs.

7.1. Dynamic Focus Adjustment

1. Focus adjustments should be performed after 1 hour of aging.
2. Use oscilloscope with 100 : 1 probe.
3. Apply PAL monoscope pattern.
4. Set scan mode to 100Hz.
5. Set the picture menu to Dynamic.
6. Set the DAF V-SAW data: 7.
7. Adjust the Red, Blue and Green focus VR on the focus block for best focus of overall picture of each CRT. (Fig. 2)

Focus Pack

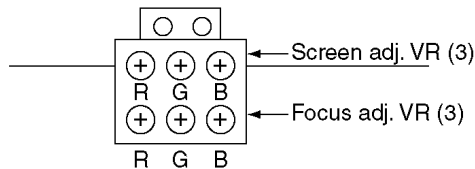


Fig. 2

8. Connect the scope probe to TPD20, GND to TPD21. Scope set at 20V/div & 5m sec./div.
9. Adjust V-PARA (Service mode1) so that waveform (A) is $360V \pm 20V$. (Fig. 3)
10. Adjust H-PARA (Service mode1) so that waveform (B) is $560V + 40V, -60V$. (Fig. 3)

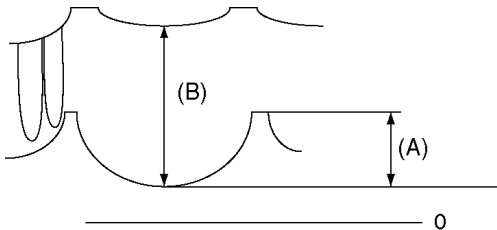


Fig. 3

11. Set scan mode to PAL 100V Comp.
12. Set the picture menu to Dynamic.
13. Adjust V-PARA (Service model) so that waveform (A) is $260V \pm 20V$. (Fig. 3)
14. Adjust H-PARA (Service model) so that waveform (B) is $560V + 40V, -60V$. (Fig. 3)
15. Set scan mode to Progressive.
16. Repeat step 7-10.
17. Apply NTSC monoscope pattern.
18. Set scan mode to Progressive.
19. Repeat step 7-10.
20. Set scan mode to 100Hz.
21. Repeat step 7-10.
22. Proceed with Focus Adjustments.

7.2. Electrical Focus Adjustment

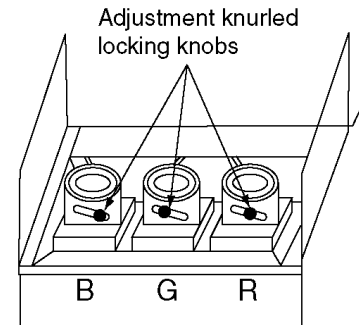
1. Receive a monoscope pattern.
2. Cover the Red and Blue CRT, projecting Green only.
The electrical focus controls are located on the front. Adjust the Green Focus VR for best focus of overall picture. (Fig. 2)
3. Repeat for Red focus VR while projecting Red only.
4. Repeat for Blue. (Best focus at bottom left corner of screen)

7.3. Optical Lens Focus Adjustment

Note:

This adjustment normally should not require resetting unless the lens has been replaced or adjustment has changed.

1. Optical focus adjustment is located on the top of each CRT lens system. Loosen the adjustment knurls locking knob. (Fig. 4)



Optical lens focus adjustment

Fig. 4 (Rear view)

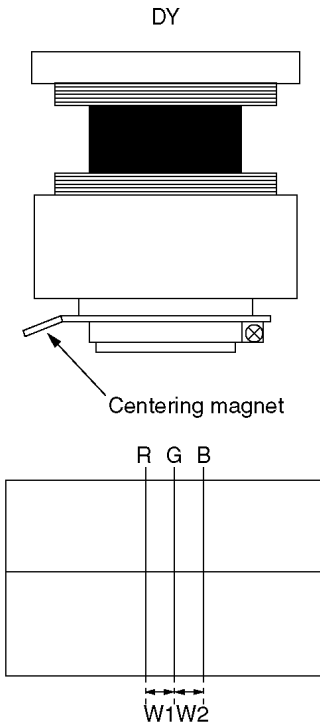
2. Turn the Receiver ON apply and view a monoscope pattern.
3. Adjust each lens focus for best focus while viewing each CRT.
4. Cover the Red and Blue CRT, projecting green only. Rotate the Green lens for best focus around screen center area.
5. Do the same for the Red focus lens while projecting Red only.
6. Repeat for Blue.

7.4. Centering Magnet Adjustment

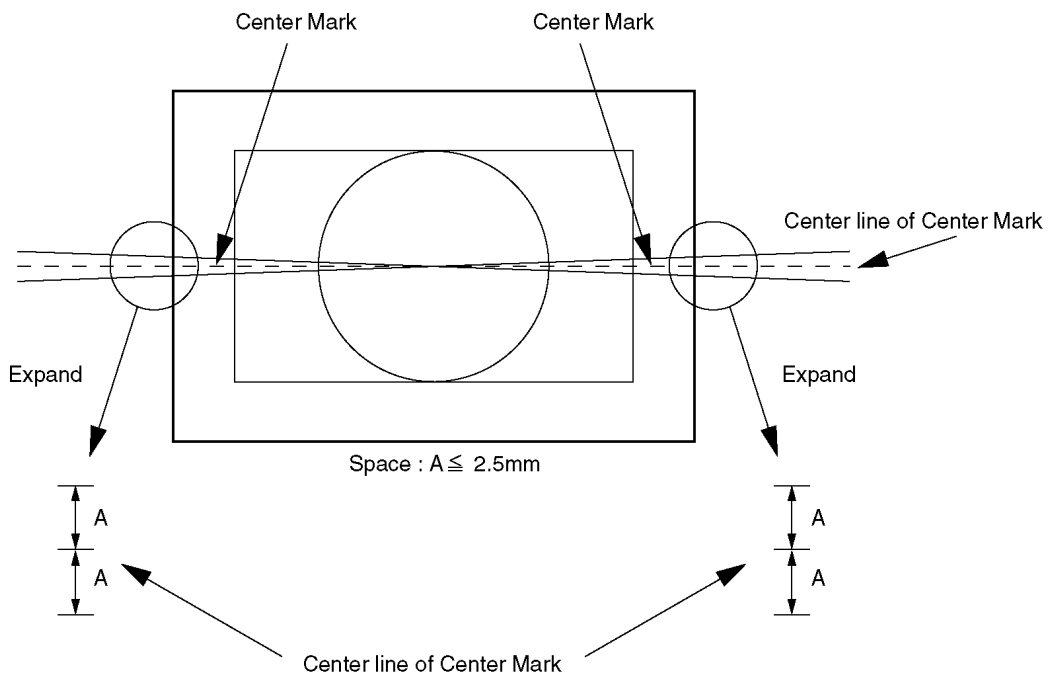
1. Receive a monoscope pattern.
2. Set that Fine convergence data (Service mode1) is clear (no correction).
3. Set that V-Pos data (Service mode1) is [130].
4. Set that H-Pos data (Service mode1) is [954].
5. Set that H-Parallel data (Service mode1) is [16].

Procedure:

1. Cover the Red, Blue CRT lens, projecting Green only.
2. Adjust green centering magnet (DY) if the projected green horizontal/vertical line does not line up with the screen horizontal/vertical center line.
3. Cover the Green, Red CRT lens, projecting Blue only.
4. Repeat step 2. for blue.
5. Cover the Green, Blue CRT lens, projecting Red only.
6. Repeat step 2. for red.
7. Cover the Red, Blue CRT lens, projecting Green only.
8. Adjust green centering magnets until the center of the monoscope pattern line up with the screen center line.
9. Cover the Green, Red CRT lens, projecting Blue only.
10. Adjust blue centering magnets to position the center of the blue raster W2 away from the center of the green raster.
11. Cover the Green, Blue CRT lens, projecting Red only.
12. Adjust red centering magnets to position the center of the red raster W1 away from the center of the green raster.



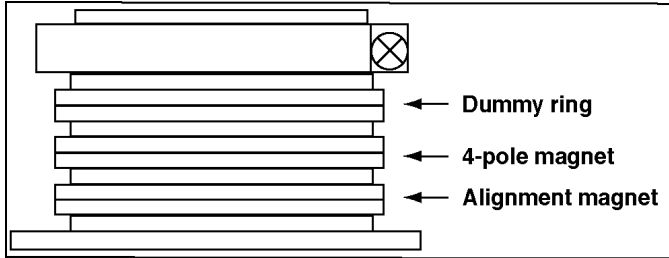
51inch	W1=17.5mm ± 2.5mm W2=40.0mm ± 2.5mm
43inch	W1=10.5mm ± 2.5mm W2=30.0mm ± 2.5mm



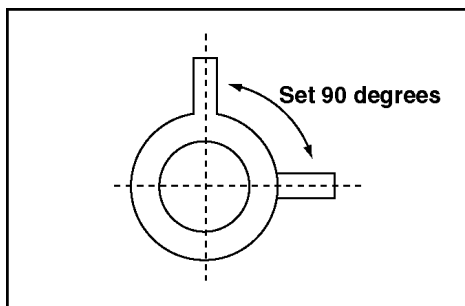
7.5. Alignment magnet Adjustment

Preparation:

1. Receive an cross hatch pattern with dots (pincushion).
2. Loosen the centering magnets screws.
3. Position the longer tab of the four-pole magnet to 90 degrees (uncorrected position).

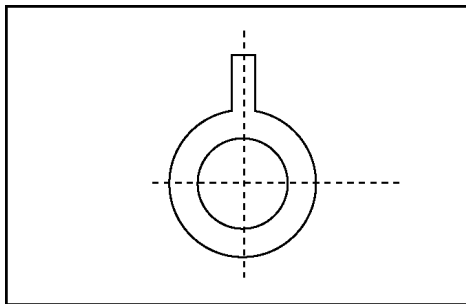


VM Coil with focus correction magnet



4-pole magnet

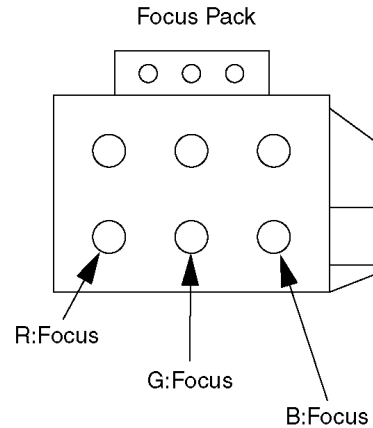
4. Position the long tab of all alignment magnets and of the dummy ring together in an uncorrected position.



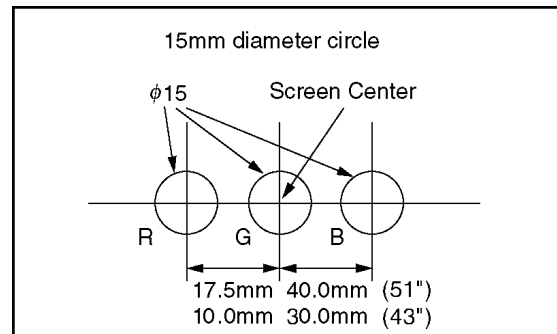
Alignment magnet (or dummy ring)

Procedure:

1. Receive an cross hatch pattern with dots.
2. Cover the Red, Blue CRT lens, projecting Green only.
3. Turn the green electrical focus adjustment VR (on focus pack) fully counterclockwise and note the position of the dots at the center of the picture.
4. Turn the green electrical focus adjustment VR fully clockwise.
5. Adjust the four pole magnets until the shape of the dot at the center of the screen is circular.
6. Adjust for best green electrical focus with green electrical focus adjustment VR.
7. Cover the Green, Red CRT lens, projecting Blue only.
8. Repeat step 4. ~ step 6. for blue electrical focus.
9. Cover the Green, Blue CRT lens, projecting Red only.
10. Repeat step 4. ~ step 6. for red electrical focus.



11. Receive an monoscope pattern.
12. Cover the Red, Blue CRT lens, projecting Green only.
13. If the center of the monoscope pattern is not inside the 15mm circle, shown in below, adjust the centering magnets. Repeat the alignment magnet adjustments and four pole magnet adjustments (step 1. ~ step 6.)



Centering magnet adjustment

14. Cover the Green, Blue CRT lens, projecting Red only.
15. Repeat step 13. for the red.
16. Cover the Green, Red CRT lens, projecting Blue only.
17. Repeat step 13. for the blue.
18. Following adjustments, fix the centering magnets of DY, dummy rings of VM coil, four pole magnets of VM coil and the alignment magnets of VM coil to prevent them from moving.

8 Deflection Adjustment

Caution

1. The following adjustment have to be carried out one with **PAL signal (100i/50p)** and with **NTSC signal (60p/120i)**.
2. Deflection adjustment need to set the Coarse/Fine Convergence to Zero Correction some time.
3. Before Deflection Adjustment are attempted, CRT Set up, Electrical Focus and Optical Lens Focus adjustment must be completed.

8.1. PAL 100Hz mode (100i)

8.1.1. Preparation

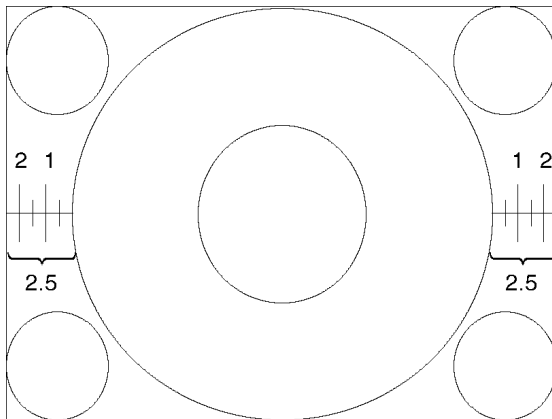
1. Receive PAL monoscope pattern.
2. Set scan mode to 100Hz.
3. Set the Picture Menu to NORMAL.
4. Set the TV to Service Mode 1.
5. Set the Data of Service Mode 1 as follow

H-Pos	954	Top-Corner	186
V-Pos	130	Bottom-Corner	187
H-Parallel	16	V-S-Correct	62
IVBL C	52	C-Correct	16

6. Push [0] button so that set the Data of Coarse/Fine Convergence to Zero Correction.
7. Push [R-TUNE] button so that projecting Green only.

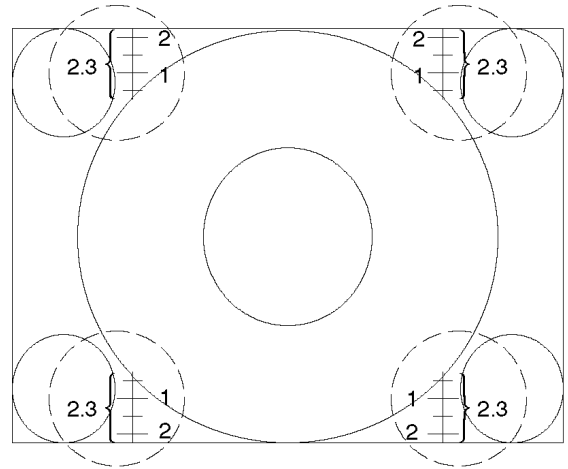
8.1.2. H-Pos and H-Amp Adjustment

1. Adjust Monoscope pattern for center of the screen by H-Pos control.
2. Adjust Horizontal amplitude for 2.5 ± 0.1 division of a scale by H-Amp control.

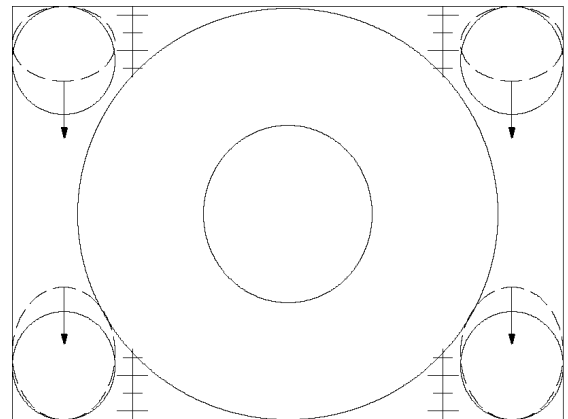


8.1.3. V-Amp, V-Linear and V-Pos Adjustment

1. Adjust Vertical amplitude for 2.3 ± 0.1 division of a scale by V-Amp control.



2. Confirm Vertical Linear as to the balance of circle, if need adjust V-Linear control.



3. Confirm Vertical Center , if it is not correct, adjust Monoscope pattern for center of the screen by V-Pos control.

8.1.4. Parabola and Trapezoid Adjustment

1. Receive PAL cross hatch pattern.
2. Adjust the vertical line to straight line by Parabola control.
After adjustment, the Parabola data will descend 10 DAC.
3. Adjust the vertical line to straight line of both side Vertical line by Trapezoid control.

8.2. PAL 100Hz V Comp mode (100i)

8.2.1. Preparation

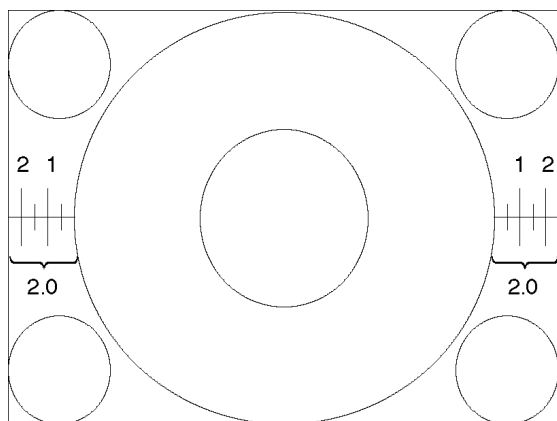
1. Receive PAL monoscope pattern.
2. Set scan mode to 100Hz.
3. Set the Picture Menu to NORMAL.
4. Set the TV to Service Mode 1.
5. Set the Data of Service Mode 1 as follow

H-Pos	954	Top-Corner	185
		Bottom-Corner	195
H-Parallel	16	V-S-Correct	73
IVBL C	26	C-Correct	16

6. Push [0] button so that set the Data of Coarse/Fine Convergence to Zero Correction.
7. Push [R-TUNE] button so that projecting Green only.

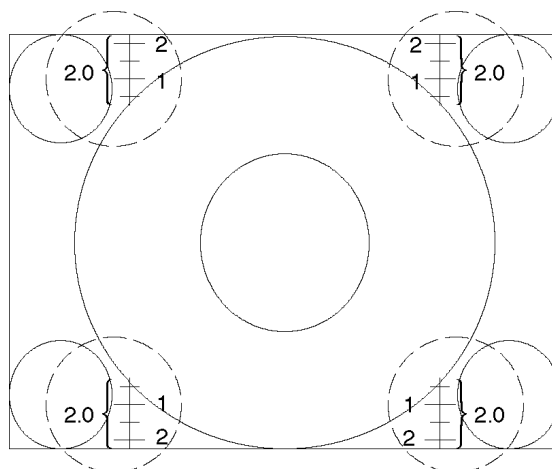
8.2.2. H-Pos and H-Amp Adjustment

1. Adjust Monoscope pattern for center of the screen by H-Pos control.
2. Adjust Horizontal amplitude for 2.0 ± 0.1 division of a scale by H-Amp control.

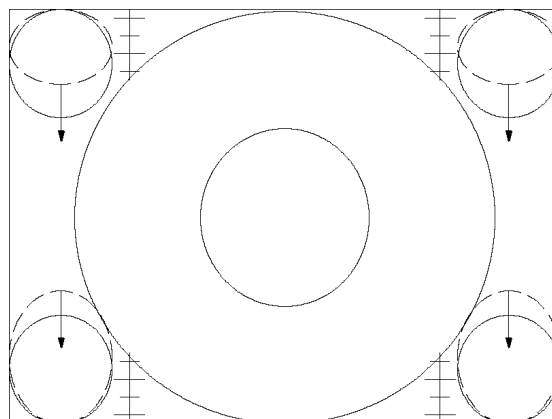


8.2.3. V-Amp, V-Linear and V-Pos Adjustment

1. Adjust Vertical amplitude for 2.0 ± 0.1 division of a scale by V-Amp control.



2. Confirm Vertical Linear as to the balance of circle, if need adjust V-Linear control.



3. Confirm Vertical Center, if it is not correct, adjust Monoscope pattern for center of the screen by V-Pos control.

8.2.4. Parabola and Trapezoid Adjustment

1. Receive PAL cross hatch pattern.
2. Adjust the vertical line to straight line by Parabola control.
After adjustment, the Parabola data will descend 5 DAC.
3. Adjust the vertical line to straight line of both side Vertical line by Trapezoid control.

8.3. PAL Progressive mode (50p)

8.3.1. Preparation

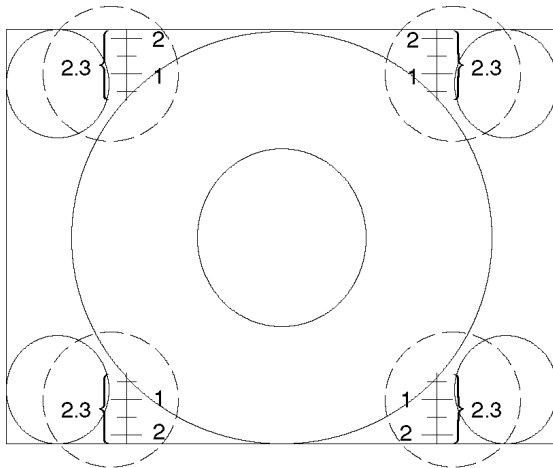
1. Receive PAL monoscope pattern.
2. Set scan mode to progressive.
3. Set the Picture Menu to NORMAL.
4. Set the TV to Service Mode 1.
5. Set the Data of Service Mode 1 as follow

H-Parallel	16	Bottom-Corner	187
IVBL C	62	V-S-Correct	66
Top-Corner	186	C-Correct	16

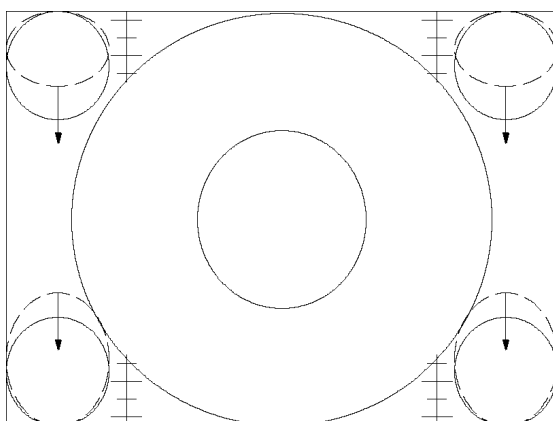
6. Push [0] button so that set the Data of Coarse/Fine Convergence to Zero Correction.
7. Push [R-TUNE] button so that projecting Green only.

8.3.2. V-Amp, V-Linear and V-Pos Adjustment

1. Adjust Vertical amplitude for 2.3 ± 0.1 division of a scale by V-Amp control.



2. Confirm Vertical Linear as to the balance of circle, if need adjust V-Linear control.



3. Confirm Vertical Center, if it is not correct, adjust Monoscope pattern for center of the screen by V-Pos control.

8.4. NTSC Progressive mode (60p)

8.4.1. Preparation

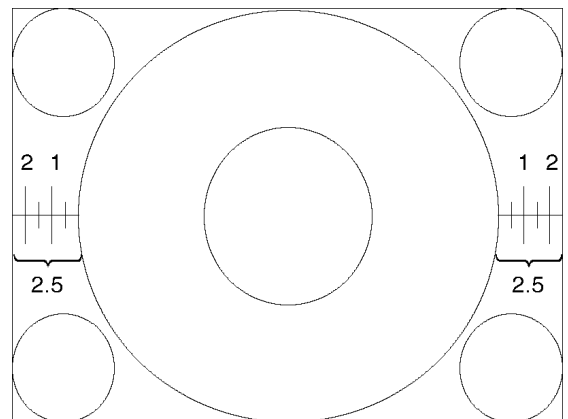
1. Receive NTSC monoscope pattern.
2. Set scan mode to Progressive.
3. Set the Picture Menu to NORMAL.
4. Set the TV to Service Mode 1.
5. Set the Data of Service Mode 1 as follow

H-Parallel	16	Bottom-Corner	188
IVBL C	22	V-S-Correct	46
Top-Corner	188	C-Correct	16

6. Push [0] button so that set the Data of Coarse/Fine Convergence to Zero Correction.
7. Push [R-TUNE] button so that projecting Green only.

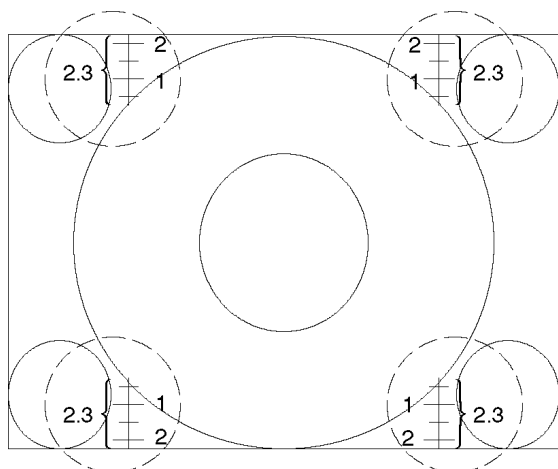
8.4.2. H-Pos and H-Amp Adjustment

1. Adjust Monoscope pattern for center of the screen by H-Pos control.
2. Adjust Horizontal amplitude for 2.5 ± 0.1 division of a scale by H-Amp control.

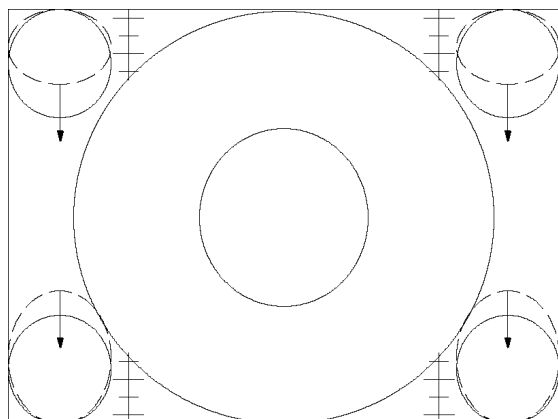


8.4.3. V-Amp, V-Linear and V-Pos Adjustment

1. Adjust Vertical amplitude for 2.3 ± 0.1 division of a scale by V-Amp control.



2. Confirm Vertical Linear as to the balance of circle, if need adjust V-Linear control.



3. Confirm Vertical Center, if it is not correct, adjust Monoscope pattern for center of the screen by V-Pos control.

8.4.4. Parabola and Trapezoid Adjustment

1. Receive NTSC cross hatch pattern.
2. Adjust the vertical line to straight line by Parabola control.
3. Adjust the vertical line to straight line of both side Vertical line by Trapezoid control.

8.5. 525i/525p Deflection Adjustment / Confirmation

8.5.1. V / H-Deflection confirmation

1. Receive 525i or 525p signal.
2. Confirm V / H-Deflection is normal.

8.5.2. H-Pos confirmation / Adjustment

1. Receive 525i or 525p signal.
2. Confirm H-Pos and if need, adjust H-Pos.

8.6. 625i/625p Deflection Adjustment / Confirmation

8.6.1. V / H-Deflection confirmation

1. Receive 625i or 625p signal.
2. Confirm V / H-Deflection is normal

8.6.2. H-Pos confirmation / Adjustment

1. Receive 625i/625p signal.
2. Confirm H-Pos and if need, adjust H-Pos.

9 Adjustment Procedure

9.1. Cut off Adjustment

Preparation

Picture Menu : Dynamic WB-B-G-ST1 : 255

C Temp : Standard High-R/B : 128

AI : ON Low-RGB : 640

P-NR : AUTO

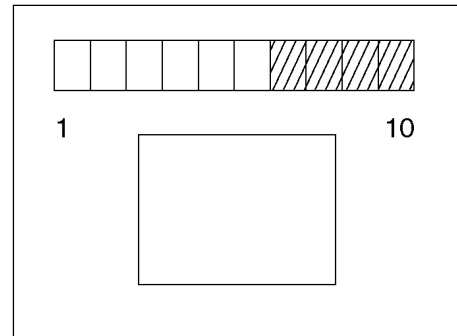
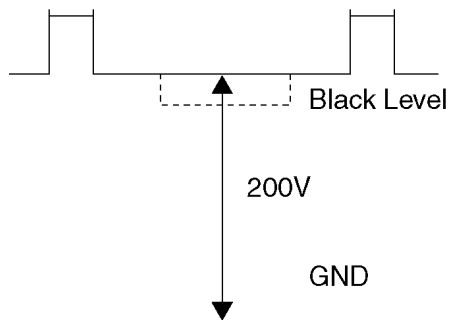
Scan Mode : 100Hz (PAL)

Screen VR : Full Counterclockwise B-Limit : 255

Adjustment

1. Receive a Black Level pattern.
2. Connect an oscilloscope to TPLG1 on LG-Board.
3. Adjust Sub Bright so that the waveform A is $200 \pm 2V$.
4. Connect an oscilloscope to TPLR1 on LR-Board.
5. Adjust Low-R so that the waveform A is $200 \pm 2V$.
6. Connect an oscilloscope to TPLB1 on LB-Board.
7. Adjust Low-B so that the waveform A is $200 \pm 2V$.
8. It pushes and it makes a [R-TUNE] key the project only of GREEN.
9. The 6th paragraph shines faintly with the screen VR of GREEN and the 7th paragraph does to the sinking style.
10. It pushes and it makes a [R-TUNE] key the project only of RED.
11. The 6th paragraph shines faintly with the screen VR of RED and the 7th paragraph does to the sinking style.
12. It pushes and it makes a [R-TUNE] key the project only of BLUE.
13. The 6th paragraph shines faintly with the screen VR of BLUE and the 7th paragraph does to the sinking style.

TPLG1/R1/B1



9.2. Sub Contrast Adjustment

Preparation

Picture Menu : Dynamic

C Temp : Standard High-R/B : 128

AI : ON Low-G : 640

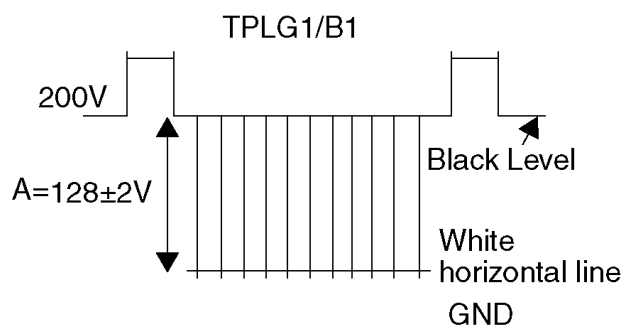
P-NR : AUTO Low-R/B : ***(Adjustment value)

Scan Mode : 100Hz (PAL)

Cut off Adjustment has been adjusted

Adjustment

1. Receive a Cross Hatch pattern.
2. Connect an oscilloscope to TPLG1 on LG-Board.
3. Adjust Sub Contrast so that the waveform A is $128 \pm 2V$.



9.3. Sub Color Adjustment

Preparation

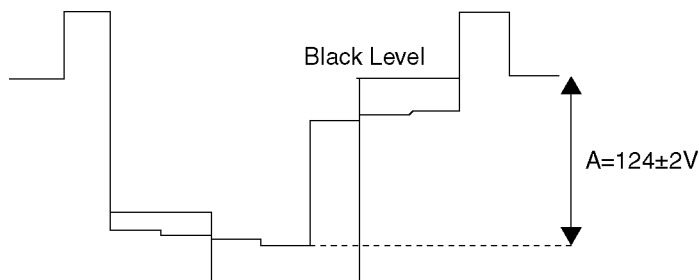
Picture Menu : Dynamic P-NR : AUTO

C Temp : Standard Scan Mode : 100Hz (PAL)

AI : ON ACL : OFF

Adjustment

1. Receive a PAL Colour Bar pattern.
2. Connect an oscilloscope to TPLG1 on LG-Board.
3. Adjust Sub Color so that the waveform A is $124 \pm 2V$.



9.4. Blue Focus / Gamma Adjustment

Preparation

Picture Menu : Dynamic WB-B-G-ST1 : 100

C Temp : Standard B-Limit : 255

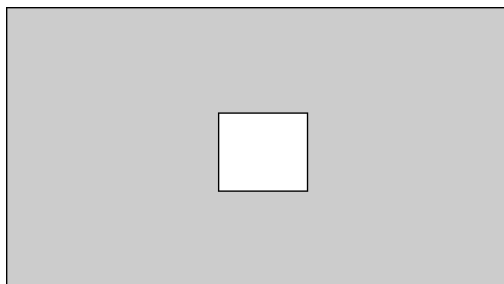
AI : ON

P-NR : AUTO

Scan Mode : 100Hz (PAL)

Adjustment

1. Set the White Balance Meter on Screen center.
2. Receive a Window pattern.
3. Set the Sub Contrast and High-B to Max.
4. It pushes and it makes a [R-TUNE] key the project only of BLUE.
5. Adjust Blue Focus VR so that Y is $7.0 \pm 0.1 \text{cd/m}^2$



9.5. White Balance Adjustment

Preparation

Picture Menu : Dynamic Sub Bright :130

C Temp : Standard High R : 100

AI : ON

P-NR : ON High B : 128

Scan Mode : 100Hz (PAL) WB-B-G-ST1 : 170

Low G : 640

Adjustment

1. Set the White Balance Meter on Screen center.
2. Receive a Window pattern.
3. Adjust Sub Bright so that the 6th paragraph shines faintly and the 7th paragraph does to the sinking style.
4. Adjust High R, WB-B-G-ST1, High B, Low R, and Low B to the table value.

51 inch model

Mode	Bright (cd/m ²)	Controle DAC name		Target (x) (y)
		RED	BLUE	
Hi	100	High R	WB-B-G-ST1	0.282 ± 0.005
				0.243 ± 0.005
Mid	40	---	High B	0.270
				0.216 ± 0.005
Low	3	Low R	Low B	0.280 ± 0.008
				0.230 ± 0.008

43 inch model

Mode	Bright (cd/m ²)	Controle DAC name		Target (x) (y)
		RED	BLUE	
Hi	140	High R	WB-B-G-ST1	0.285 ± 0.005
				0.252 ± 0.005
Mid	50	---	High B	0.270
				0.220 ± 0.005
Low	3	Low R	Low B	0.280 ± 0.008
				0.230 ± 0.008

9.6. Sub Bright Adjustment

Preparation

Picture Menu : Dynamic P-NR : AUTO

C Temp : Dynamic Scan Mode : 100Hz (PAL)

AI : ON

Cut off and White Balance Adjustment has been adjusted

Adjustment

1. Set the White Balance Meter on Screen center.
2. Receive a PAL Window pattern.
3. Adjust Sub Bright so that the 6th paragraph shines faintly and the 7th paragraph does to the sinking style.

9.7. Blue Limit Adjustment

Preparation

Picture Menu : Dynamic

C Temp : Standard

AI : ON

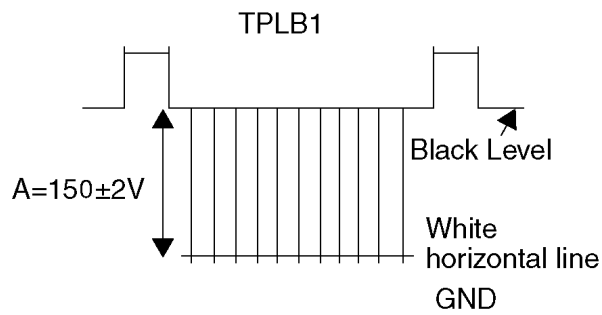
P-NR : ON

Scan Mode : 100Hz (PAL)

White Balance Adjustment has been adjusted

Adjustment

1. Receive a Cross Hatch pattern.
2. Connect an oscilloscope to TPLB1 on LB-Board.
3. Adjust B-LIMIT so that the waveform A is $150 \pm 2V$.



10 Convergence Adjustment

The convergence adjustment is set separately for each 50/100Hz/ 60/100Hz input (NTSC, PAL/ SECAM). The following explanation uses the PAL mode as an example, since the same procedure applies to the convergence adjustment for NTSC mode.

When replacing the following Parts.

IC7104 (EEP-ROM in DC-Board) High Voltage Producing Parts
Other Parts (If change the convergence)

Create an Adjustment Sheet by tracing the following specifications in their actual size on transparent film or tracing paper. Then adjust the convergence.

When replacing one of the CRT's.

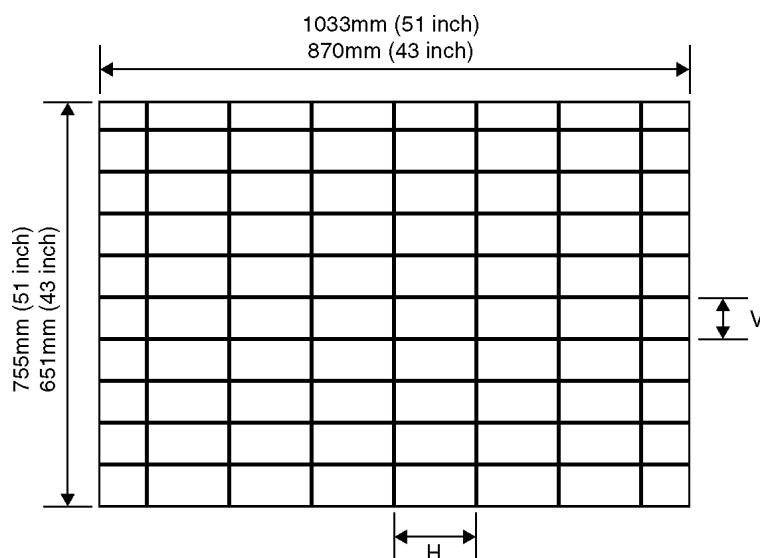
Adjust the convergence for each of the 50/100Hz and 60/120Hz inputs so that they are aligned with the other colours.

Helpful Hint

All positions which have been adjusted are recorded within P-2 for NTSC data and P-3 for PAL data of the memory. This data can be copied to P-4 memory area, allowing you to perform the adjustment of P-2 (NTSC) and P-3 (PAL). To perform these adjustments, push the "1" button on the remote control, and manipulate the position [▲] and [▼] button and the "N" button as instructed by the On Screen Display in Fine Convergence adjustment.

All of the Convergence Control Charts have been listed for the remote control buttons after the Convergence Adjustment Procedure. Please refer to these. (Page 29)

10.1. Convergence Adjustment Sheet



51inch

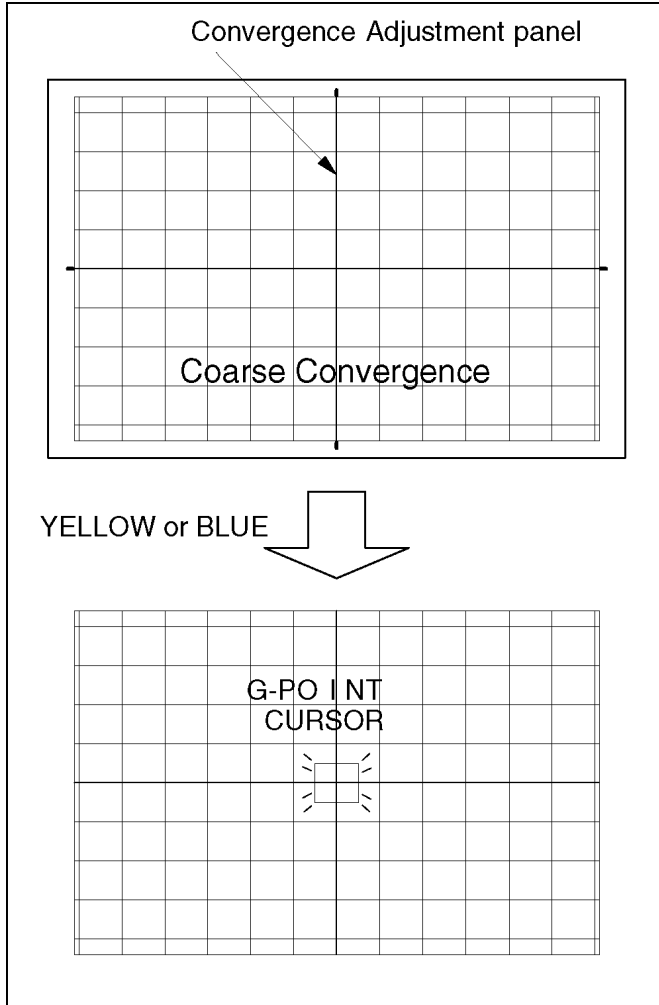
信号	メッシュピッチ(mm)	
	H	V
PAL 100	176.5	100.0
PAL V.Comp	176.5	51.5
PAL Progressive	176.5	100.0
NTSC Progressive	170.5	102.5

43inch

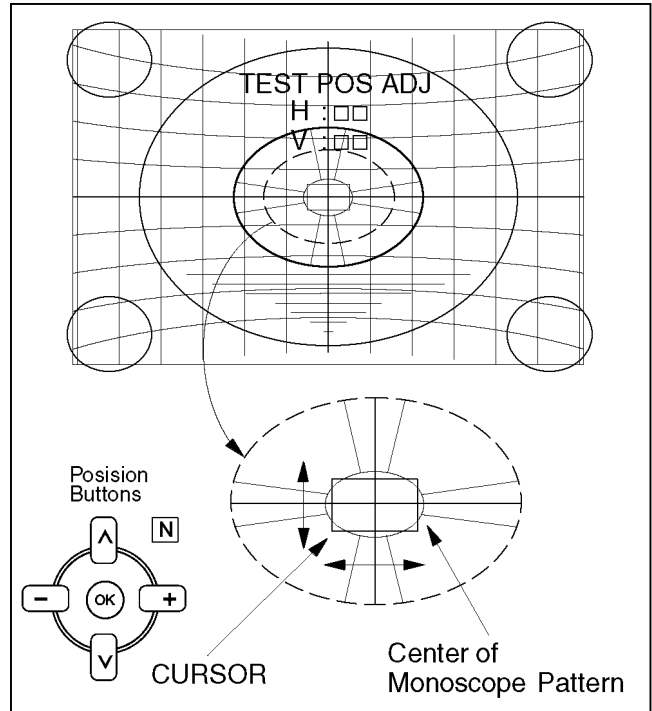
信号	メッシュピッチ(mm)	
	H	V
PAL 100	149.0	84.5
PAL V.Comp	149.0	43.5
PAL Progressive	149.0	84.5
NTSC Progressive	143.5	86.5

10.2. Convergence Adjustment Procedure

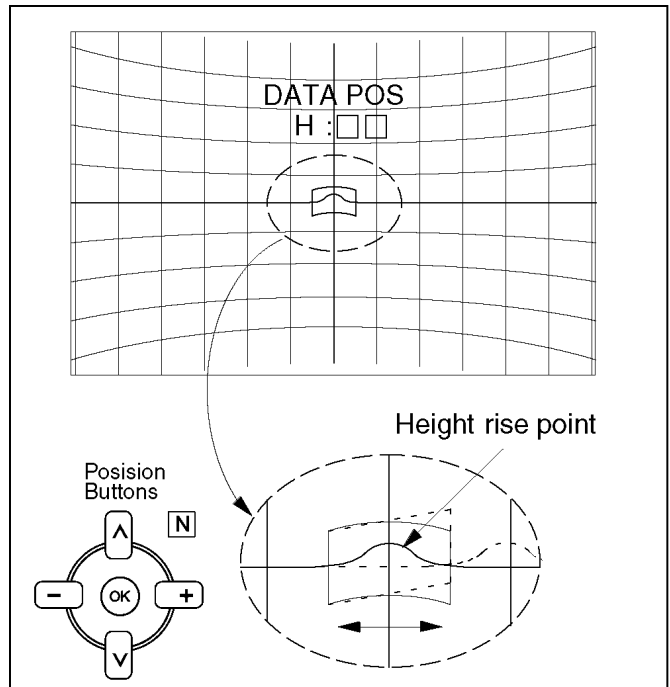
1. Input a monoscope pattern of PAL.
2. Enter the Service Mode1.
3. Select the Coarse Convergence by pushing "RED" or "GREEN" buttons. Then push "YELLOW" button, and push Position and [N] buttons to set the data to zero.
4. Stick the Convergence Adjustment Sheet (PAL 50Hz) onto the screen.
5. Push the "YELLOW" or "BLUE" on the remote control, and enter the Coarse Convergence Adjustment mode.



6. Push the "0" of 10 key buttons, and then push the "N" of position buttons on the remote control.
7. Enter to "TEST POS." mode.
8. Push the "5" button to display the monoscope pattern on the screen.
9. Adjust the position buttons so that the cursor in the center of the test pattern is aligned with the center of the monoscope pattern.



10. Push the "TV/AV" button on the remote control, and enter the "DATA POS." mode.
11. Push the "5" button and close the background image (monoscope pattern).
12. Use the "+" and "-" of the position buttons so that the bump in the screen center line is at the center of the cursor.



13. Push the "TV/AV" button twice, and enter the "OSD POS" mode.
14. Adjust the position buttons so that the cross-cursor is aligned near cross-bar.
15. Push the "MENU" button, and "N" button to store data.
16. Push the "0" of 10 key buttons, and return to Coarse Convergence Adjustment mode.

10.3. Coarse Convergence Adjustment mode

MODE			DAC DATA UP		DAC DATA DOWN	
1	STATIC	H	R			
			G			
			B			
		V	R			
			G			
			B			
2	SIZE	H	R			
			G			
			B			
		V	R			
			G			
			B			
3	SKEW	H	R			
			G			
			B			
		V	R			
			G			
			B			

MODE			DAC DATA UP		DAC DATA DOWN	
4	LINEARITY	H	R			
		G				
		B				
5	KEYSTONE	V	R			
		G				
		B				
6	PIN	H	R			
			G			
			B			
		V	R			
			G			
			B			
7	CORNER	H	R			
		G				
		B				

10.3.1. Green Coarse Convergence Adjustment

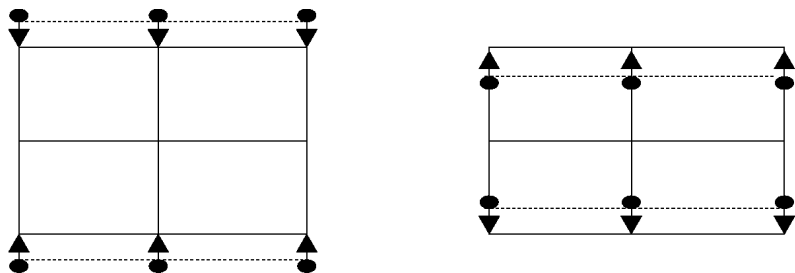
10.3.1.1. Reparation

Push the "SURROUND" button, and select the Green Adjustment mode. Push the "2" button, and select the "Border and Cross" pattern. Push the "R-TUNE" button, and select the "Green" colour.

10.3.1.2. "G-SIZE (V)" adjustment

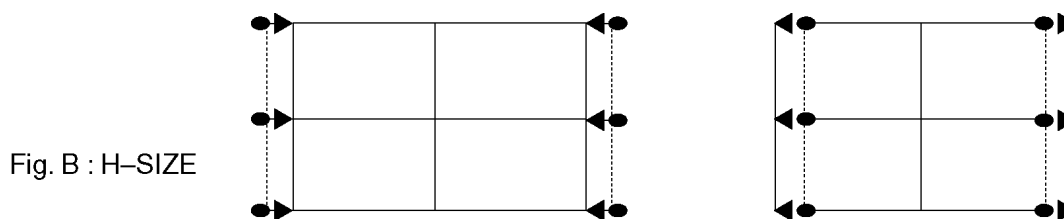
Push the "TV/AV" buttons, and select the "G-SIZE (V)". Push the "Channel up/down" buttons, and adjust the upper and lower border line of test pattern is aligned with the edge of the screen frame.

Fig. A : V-SIZE



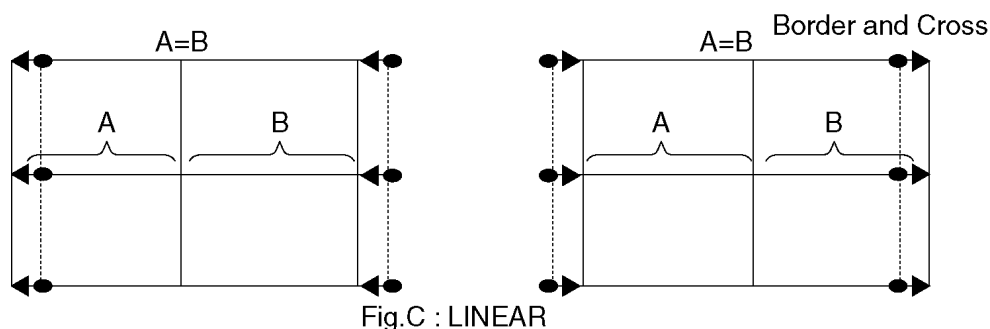
10.3.1.3. "G-SIZE (H)" adjustment

Push the "TV/AV" buttons, and select the "G-SIZE (H)". Push the "Volume up/down" buttons, and adjust the boarder line on either side of test pattern is aligned with the edge of the screen frame.



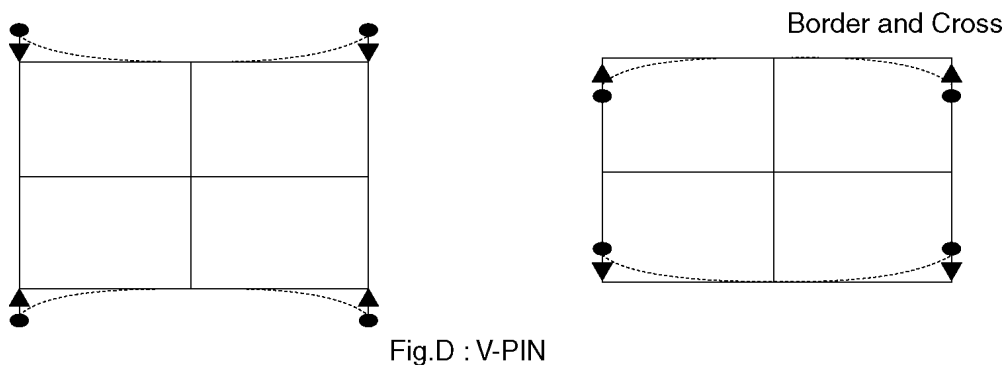
10.3.1.4. "G-LINEAR" adjustment

Push the "TV/AV" buttons, and select the "G-LINEAR". Push the "Volume up/down" buttons, and adjust the "G-LINEAR" to become the following figure.



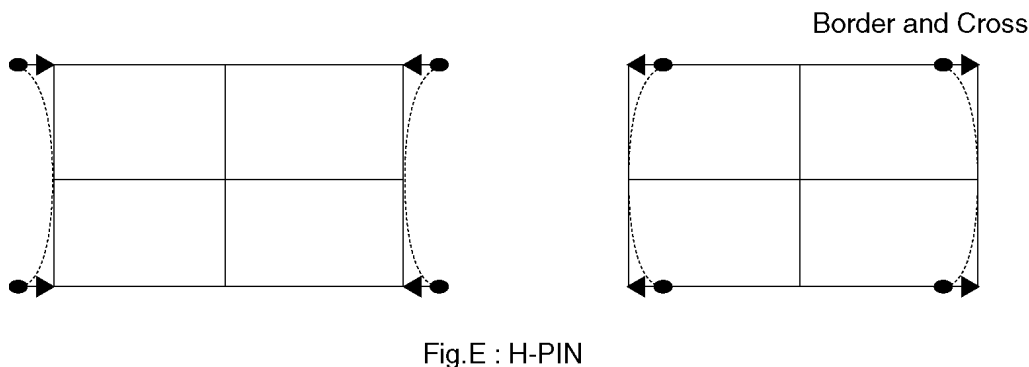
10.3.1.5. "G-PIN (V)" adjustment

Push the "TV/AV" buttons, and select the "G-PIN". Push the "Channel up/down" buttons, and adjust the "G-PIN (V)" to become the following figure.



10.3.1.6. "G-PIN (H)" adjustment

Push the "TV/AV" buttons, and select the "G-PIN". Push the "Volume up/down" buttons, and adjust the "G-PIN (H)" to become the following figure.



10.3.1.7. "G-CORNER" adjustment

Push the "TV/AV" buttons, and select the "G-CORNER".Push the "Volume up/down" buttons, and adjust the "G-CORNER" to become the following figure.

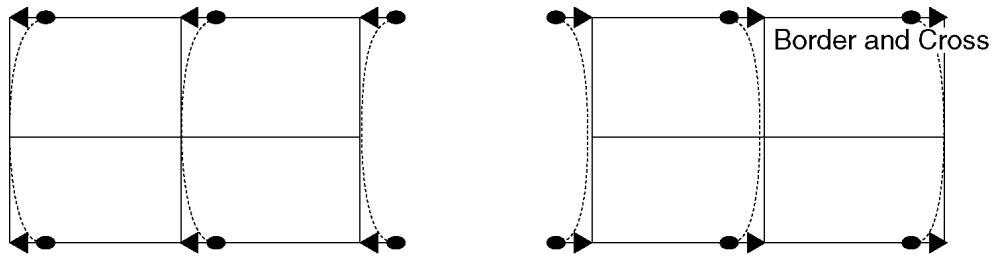


Fig.F : CORNER

10.3.1.8. "G-KEY" adjustment

Push the "TV/AV" buttons, and select the "G-KEY".Push the "Channel up/down" buttons, and adjust the "G-KEY" refer to following figure.

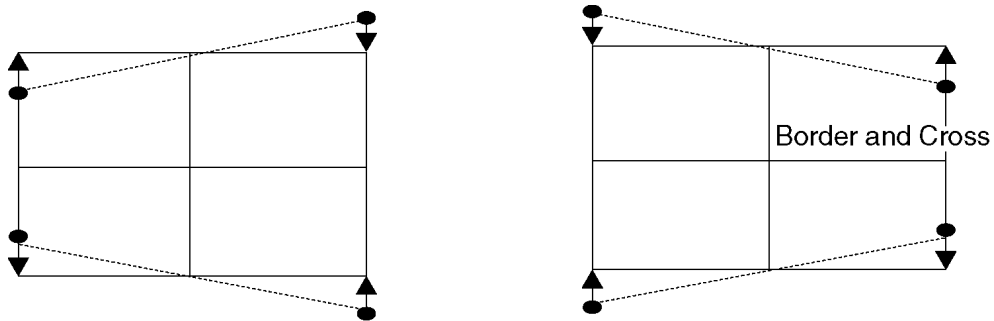


Fig.G : KEY

10.3.1.9. "G-STATIC" adjustment

Push the "TV/AV" buttons, and select the "G-STATIC".Push the "Channel/Volume up/down" buttons, and adjust "G-STATIC" so that Horizontal & Vertical center line is aligned with the bump in the screen center mark.

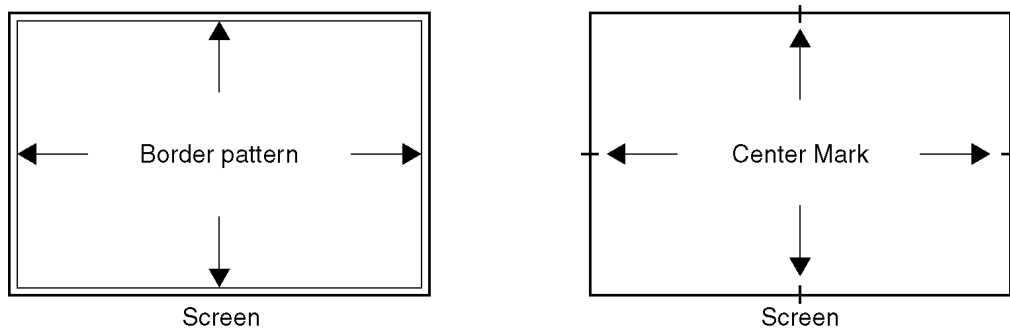


Fig.H STATIC

10.3.2. Red Coarse Convergence Adjustment

10.3.2.1. Reparation

Push the "SURROUND" button, and select the Red Adjustment mode. Push the "2" button, and select the "Border and Cross" pattern. Push the "R-TUNE" button, and select the "Yellow" colour. Push the "POSITION" button, and adjust the "R-STATIC" so that the Red color of pattern is aligned with Green colour of pattern.

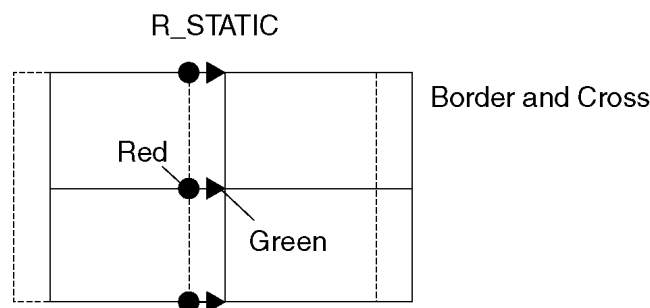


Fig.I : R-STATIC

10.3.2.2. "R-SKEW (V)" adjustment

Push the "TV/AV" buttons, and select the "R-SKEW". Push the "Volume up/down" buttons, and adjust the reference line become a vertical line. (Refer to figure.)

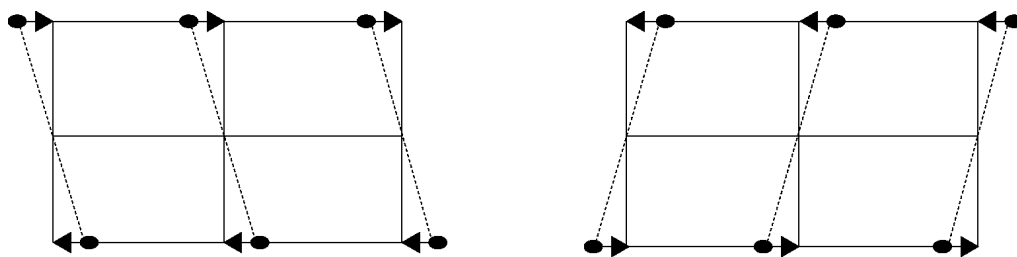


Fig.J : SKEW(V)

10.3.2.3. "R-SKEW (H)" adjustment

Push the "TV/AV" buttons, and select the "R-SKEW". Push the "Channel up/down" buttons, and adjust reference line become a horizontal line. (Refer to figure.)

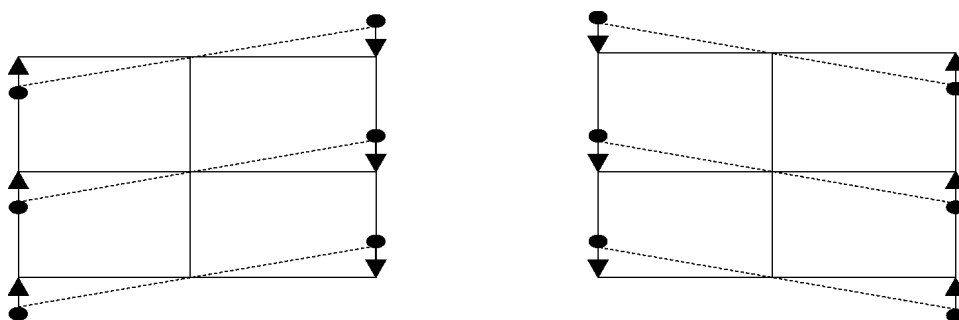


Fig.K : SKEW(H)

10.3.2.4. "R-SIZE (V)" adjustment

Push the "TV/AV" buttons, and select the "R-SIZE". Push the "Channel up/down" buttons, and adjust the upper and lower boarder line of test pattern is aligned with the edge of the screen frame. (Refer to Fig. A.)

10.3.2.5. "R-SIZE (H)" adjustment

Push the "TV/AV" buttons, and select the "R-SIZE". Push the "Volume up/down" buttons, and adjust the boarder line on either side of test pattern is aligned with the edge of the screen frame. (Refer to Fig. B.)

10.3.2.6. "R-LINEAR" adjustment

Push the "TV/AV" buttons, and select the "R-LINEAR". Push the "Volume up/down" buttons, and adjust the "R-LINEAR". (Refer to Fig. C.)

10.3.2.7. "R-PIN (V)" adjustment

Push the "TV/AV" buttons, and select the "R-PIN". Push the "Channel up/down" buttons, and adjust the "R-PIN (V)". (Refer to Fig. D.)

10.3.2.8. "R-PIN (H)" adjustment

Push the "TV/AV" buttons, and select the "R-PIN". Push the "Volume up/down" buttons, and adjust the "R-PIN (H)". (Refer to Fig. E.)

10.3.2.9. "R-CORNER" adjustment

Push the "TV/AV" buttons, and select the "R-CORNER". Push the "Channel up/down" buttons, and adjust the "R-CORNER". (Refer to Fig. F.)

10.3.2.10. "R-KEY" adjustment

Push the "TV/AV" buttons, and select the "R-KEY". Push the "Channel up/down" buttons, and adjust the "R-KEY". (Refer to Fig. G.)

10.3.2.11. "R-STATIC" adjustment

Push the "TV/AV" buttons, and select the "R-STATIC". Push the "Channel/Volume up/down" buttons, and adjust "R-STATIC" so that Horizontal & Vertical Center line is aligned with the bump in the screen center mark. (Refer to Fig. H.)

10.3.3. Blue Coarse Convergence Adjustment

10.3.3.1. Reparation

Push the "SURROUND" button, and select the Blue Adjustment mode. Push the "2" button, and select the "Border and Cross" pattern. Push the "R-TUNE" button, and select the "Cyan" colour. Push the "POSITION" button, and adjust the "B-STATIC" so that the Blue color of pattern is aligned with Green colour of pattern.

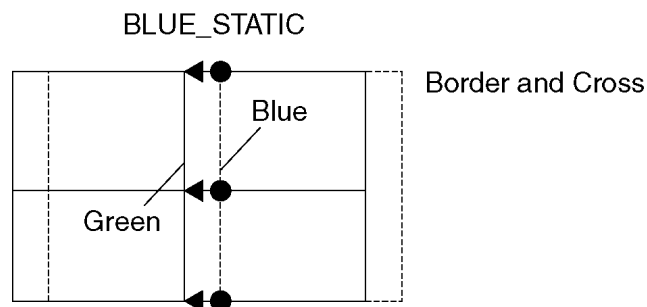


Fig.L : B-STATIC

10.3.3.2. "B-SKEW (V)" adjustment

Push the "TV/AV" buttons, and select the "B-SKEW". Push the "Volume up/down" buttons, and adjust the reference line become a vertical line. (Refer to Fig. J.)

10.3.3.3. "B-SKEW (H)" adjustment

Push the "TV/AV" buttons, and select the "B-SKEW". Push the "Channel up/down" buttons, and adjust reference line become a horizontal line. (Refer to Fig. K.)

10.3.3.4. "B-SIZE (V)" adjustment

Push the "TV/AV" buttons, and select the "B-SIZE". Push the "Channel up/down" buttons, and adjust the upper and lower boarder line of test pattern is aligned with the edge of the screen frame. (Refer to Fig. A.)

10.3.3.5. "B-SIZE (H)" adjustment

Push the "TV/AV" buttons, and select the "B-SIZE". Push the "Volume up/down" buttons, and adjust the boarder line on either side of test pattern is aligned with the edge of the screen frame. (Refer to Fig. B.)

10.3.3.6. "B-LINEAR" adjustment

Push the "TV/AV" buttons, and select the "B-LINEAR". Push the "Volume up/down" buttons, and adjust the "B-LINEAR". (Refer to Fig. C.)

10.3.3.7. "B-PIN (V)" adjustment

Push the "TV/AV" buttons, and select the "B-PIN". Push the "Channel up/down" buttons, and adjust the "B-PIN (V)". (Refer to Fig. D.)

10.3.3.8. "B-PIN (H)" adjustment

Push the "TV/AV" buttons, and select the "B-PIN". Push the "Volume up/down" buttons, and adjust the "B-PIN (H)". (Refer to Fig. E.)

10.3.3.9. "B-CORNER" adjustment

Push the "TV/AV" buttons, and select the "B-CORNER". Push the "Channel up/down" buttons, and adjust the "B-CORNER". (Refer to Fig. F.)

10.3.3.10. "B-KEY" adjustment

Push the "TV/AV" buttons, and select the "B-KEY". Push the "Channel up/down" buttons, and adjust the "B-KEY". (Refer to Fig. G.)

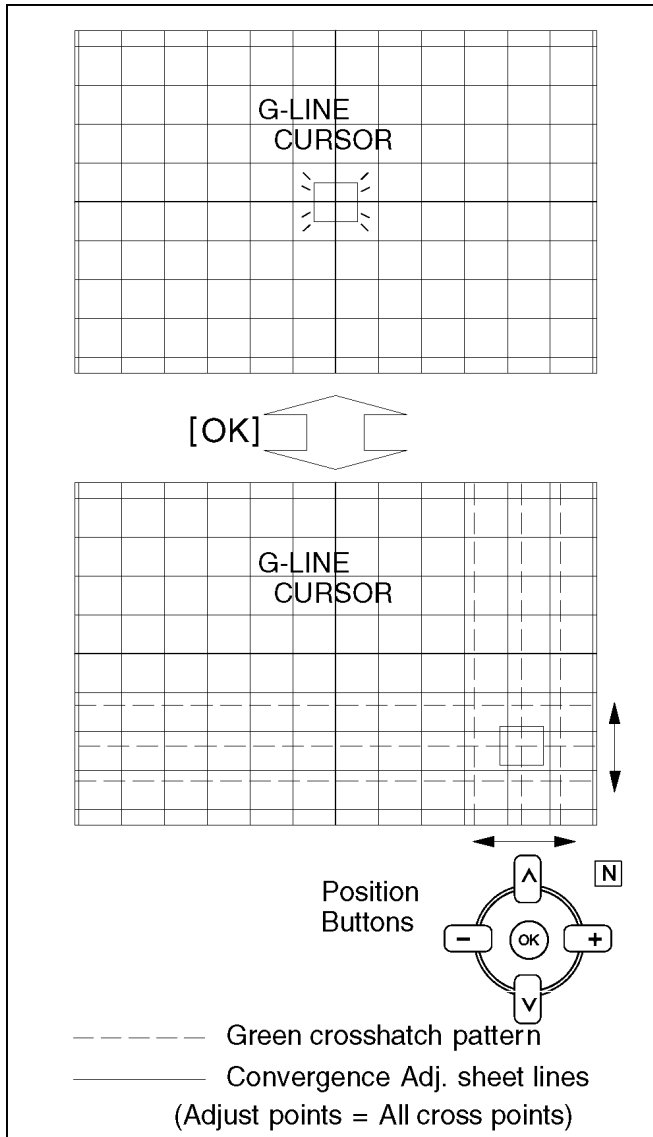
10.3.3.11. "B-STATIC" adjustment

Push the "TV/AV" buttons, and select the "B-STATIC". Push the "Channel/Volume up/down" buttons, and adjust "B-STATIC" so that Horizontal & Vertical Center line is aligned with the bump in the screen center mark. (Refer to Fig. H.)

10.4. Fine Convergence Adjustment

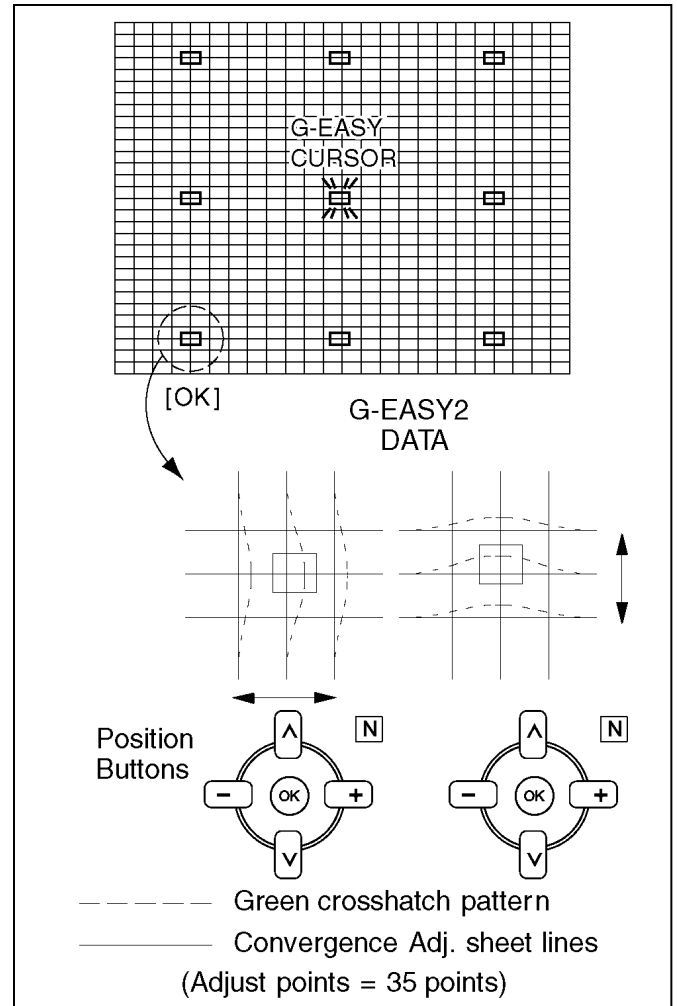
10.4.1. Green Convergence Adjustment

1. Select the "G-LINE CURSOR" mode by pushing "TV/AV" button on the remote control

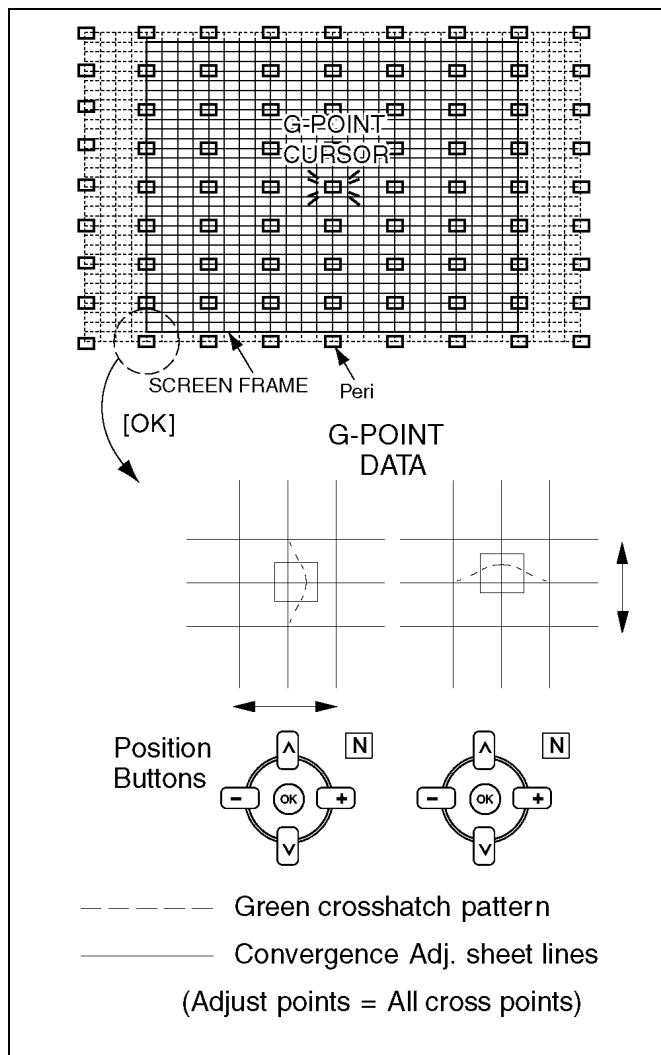


2. Use the Position Buttons to move the cursor to the point where you wish to change the data (adjustment lines). Then use the "OK" to change from "G-LINE CURSOR" to "G-LINE DATA".
3. Use the Position Buttons to adjust each point (line) so that the Green Crosshatch Pattern is aligned with the vertical and horizontal lines of the Convergence Adjustment Sheet.
4. Push the "OK" and switch from "G-LINE DATA" to "G-LINE CURSOR".
5. Repeat step 1~3 to adjust the vertical lines (13) and the horizontal lines (9).
6. Select the "G-EASY CURSOR" mode by pushing "TV/AV" button on the remote control.
7. Use the Position Buttons to move the cursor to the point where you wish to change the data (adjustment point). Then use the "OK" to change from "G-EASY CURSOR" to "G-EASY DATA".

8. Use the Position Buttons to adjust each point so that the Green Crosshatch Pattern is aligned with the vertical and horizontal lines of the Convergence Adjustment Sheet.
9. Push the "MULTI PIP" and with from "G-EASY DATA" to "G-EASY CURSOR".
10. Repeat step 7~9 to adjust the 9 adjustment points.



11. Select the "G-POINT CURSOR" mode by pushing "TV/AV" button on the remote control.
12. Use the Position Buttons to move the cursor to the point where you wish to change the data (adjustment lines). Then use the "OK" to change from "G-LINE CURSOR" to "G-LINE DATA".
13. Use the Position Buttons to adjust each point so that the Green Crosshatch Pattern is aligned with the vertical and horizontal lines of the Convergence Adjustment Sheet.
14. Push the "OK" and switch from "G-POINT DATA" to "G-POINT CURSOR".
15. Repeat step 12-14 to adjust all of adjustment points.



16. Adjust the LINE, EASY and POINT DATA again viewing all over the screen.

If need the adjustment at the around of screen, select the "ORIGINAL" and adjust it.

17. To store the data after the Green Convergence Adjustment has been completed, push the "MENU" button and then push the "N" button (pushing the "N" button will store the data in the E²PROM).

18. Remove the Convergence Adjustment Sheet from the screen.

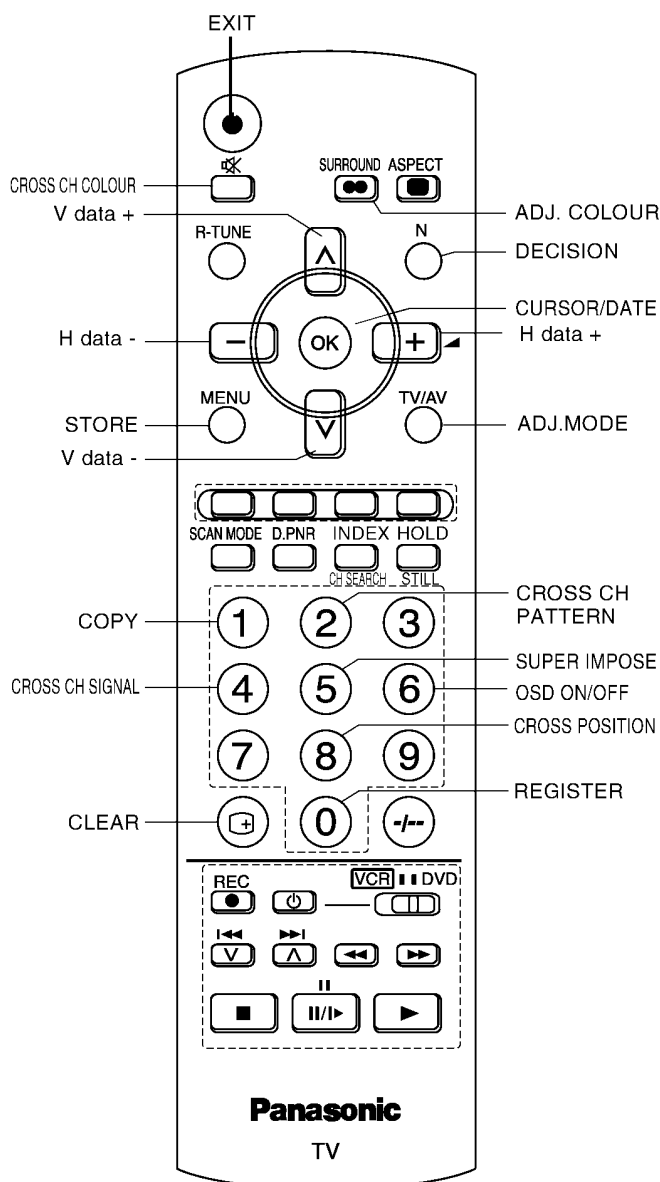
10.4.2. Red Convergence Adjustment

1. Push the "R-TUNE" button twice and change to the Red Adjustment of Yellow Colour.
2. Repeat the same steps described for the Green Conv.Adj. in 1~16 to perform the Red Convergence Adjustment.
3. To store the data after the Red Convergence Adjustment has been completed, push the "MENU" button and then the "N" button.

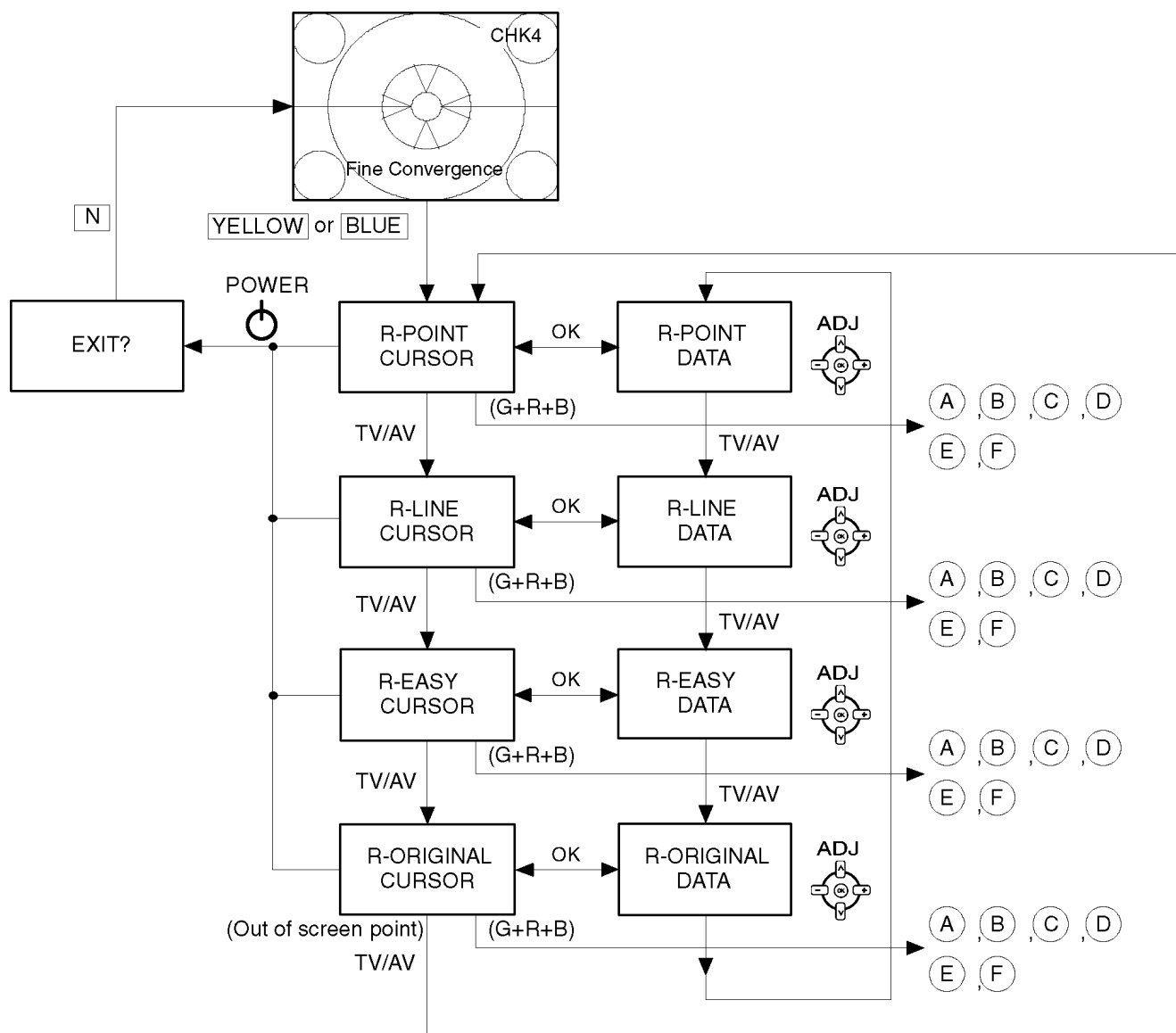
10.4.3. Blue Convergence Adjustment

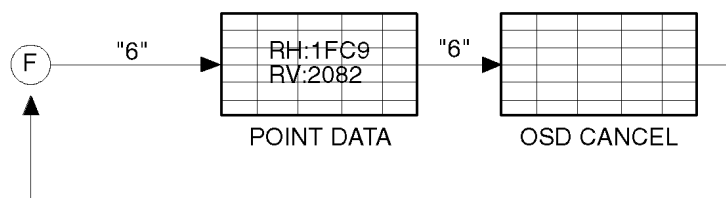
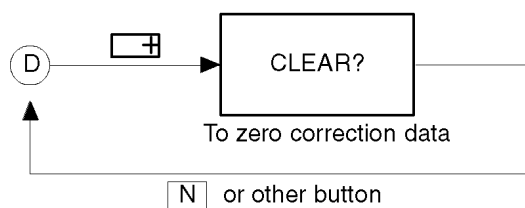
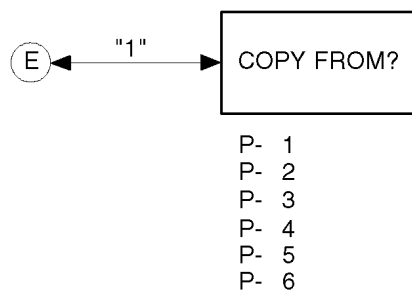
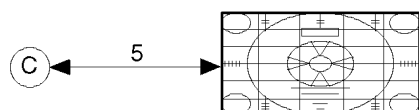
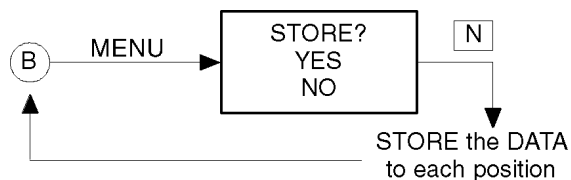
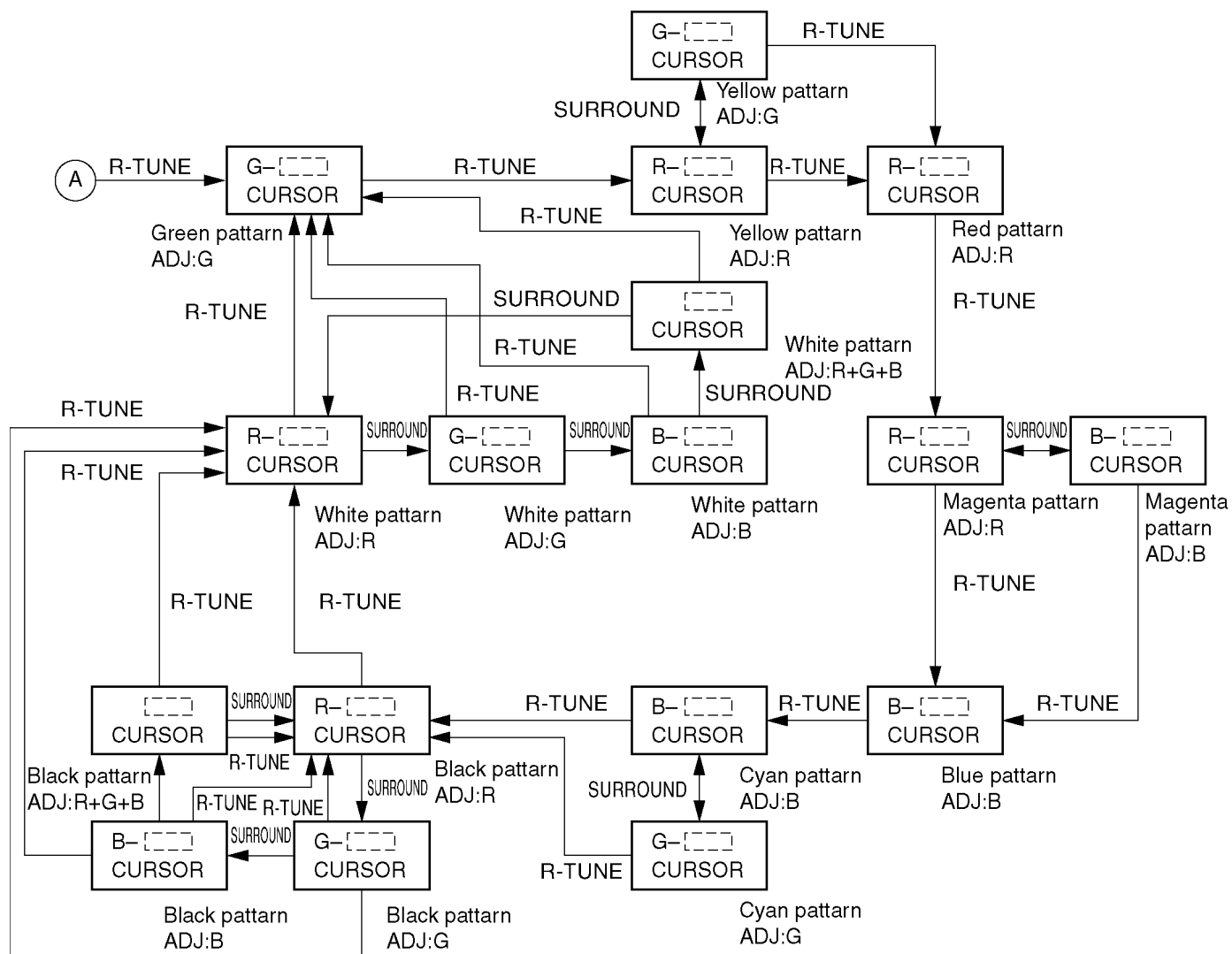
1. Push the "R-TUNE" button twice and change to the Blue Adjustment of cyan Colour.
2. Repeat the same steps described for the Green Conv.Adj. in 1~16 to perform the Blue Convergence Adjustment.
3. To store the data after the Blue Convergence Adjustment has been completed, push the "MENU" button and then push the "N" button.
4. To switch from the Convergence Adjustment Mode to the Service Mode, press the Power button and then push the "N" button.

Repeat the same adjustment after inputting the 60Hz (NTSC) signal.



Fine Convergence Control Chart



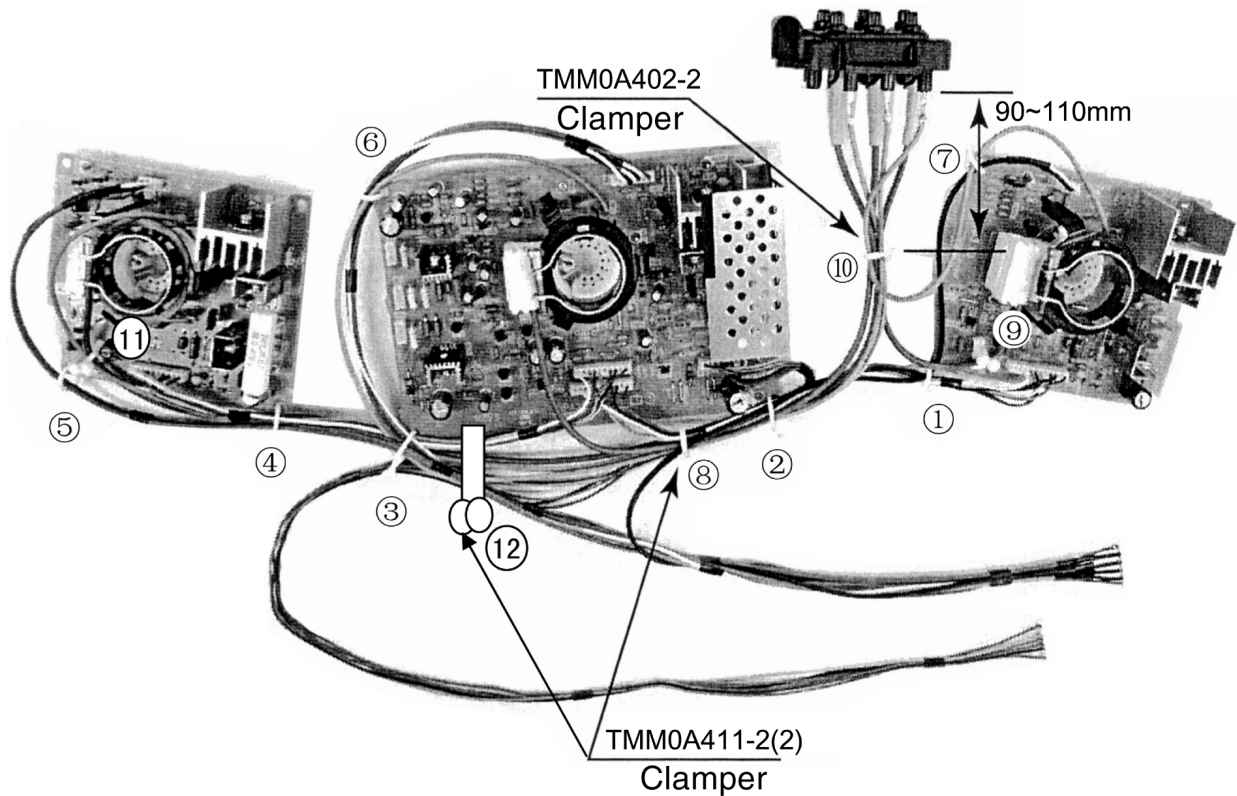


11 Location of Lead Wiring

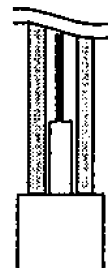
11.1. Location of Lead Wiring (1)

Insertion the connectors

LR1,LR2,LG1,LG2,LG3,LG4,LG5,LG6,LG7,LB1,LB2,LR20,LG20,LB20



Cover FBT (white) tube to the FBT coupler tube.



(Attention)
The lead line doesn't come within 5 millimeters of the neighborhood of the focus block, too.

INSERTION OF CONNECTOR

LR1, LR2, LG1, LG2, LG3, LG4, LG5, LG6, LG7, LB1, LB2,

LR20, LG20, LB20

CLAMP DOUBLE CLAMP : ◎

CLAMPER WIRES	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	⑮
FOCUS(R)									●	●					
FOCUS(G)		●						●		●					
FOCUS(B)		●	●	●				●		●	●	●			
SCREEN(R)							●			●					
SCREEN(G)		●	●			●		●		●		●			
SCREEN(B)		●	●	●				●		●	●	●			
LR1~LG3	●	●						●							
LR2~DG2	●	●					●	●				●			
LG1~DG2			●			●						●			
LG4~LB1			●	●								●			
LG2~D5		●						●							
LB2~DG2			●	●	●										

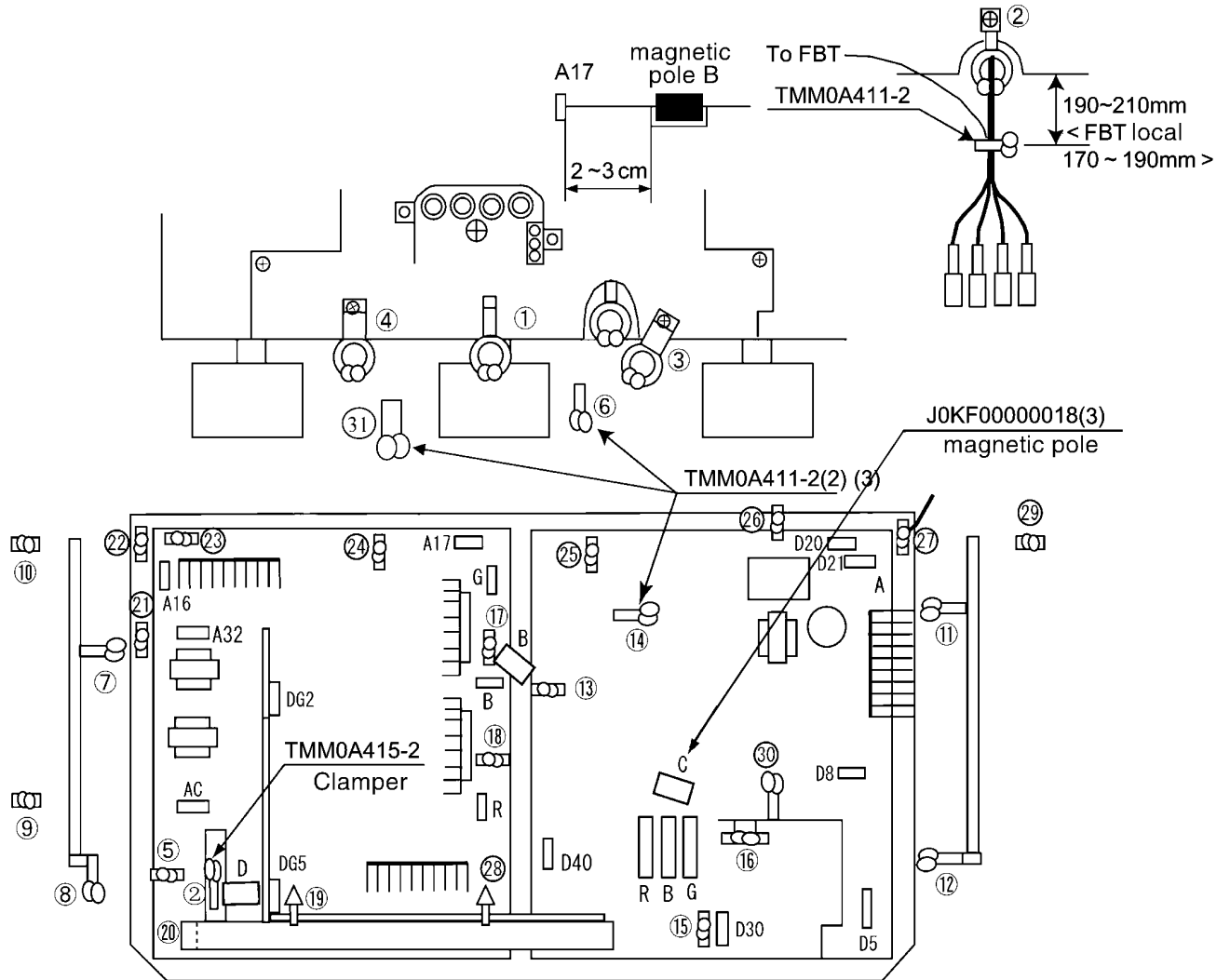
NOTICE FOR WORE DRESSING

1. Confirm that the lead line isn't hitting the metallic part of the neck print after CRT neck print (R, G, B) insertion.
2. It decides to be permitted to insert the lead line (R, G, B) of the VM coil wherever of LG5, LG6, LG7 of the LG print.
3. It decides to be permitted to insert G, B of the DY lead in either.
4. Keep the Fo lead of B clear of components of the LB-Board and IC2301 heat sink of the A-Board.

11.2. Location of Lead Wiring (2)

The Anode Lead

1. It inserts Anode lead tip in the back to FBT (the fly background transformer), and it makes turn on the right and it locks it.
(Three insertion positions are free).
2. Secure a safe space distance from the circumference part by equal to or more than 10 millimeters.



INSERTION OF CONNECTOR

A6, A7, A21, A22, A23, A49, Anode distributor (R, G, B, FBT), D8, D5, DY (R, G, B), CY (R, G, B), D30, P1, P2, P4, Focus Pack (R)

[illegible]

NOTICE FOR WIRE DRESSING

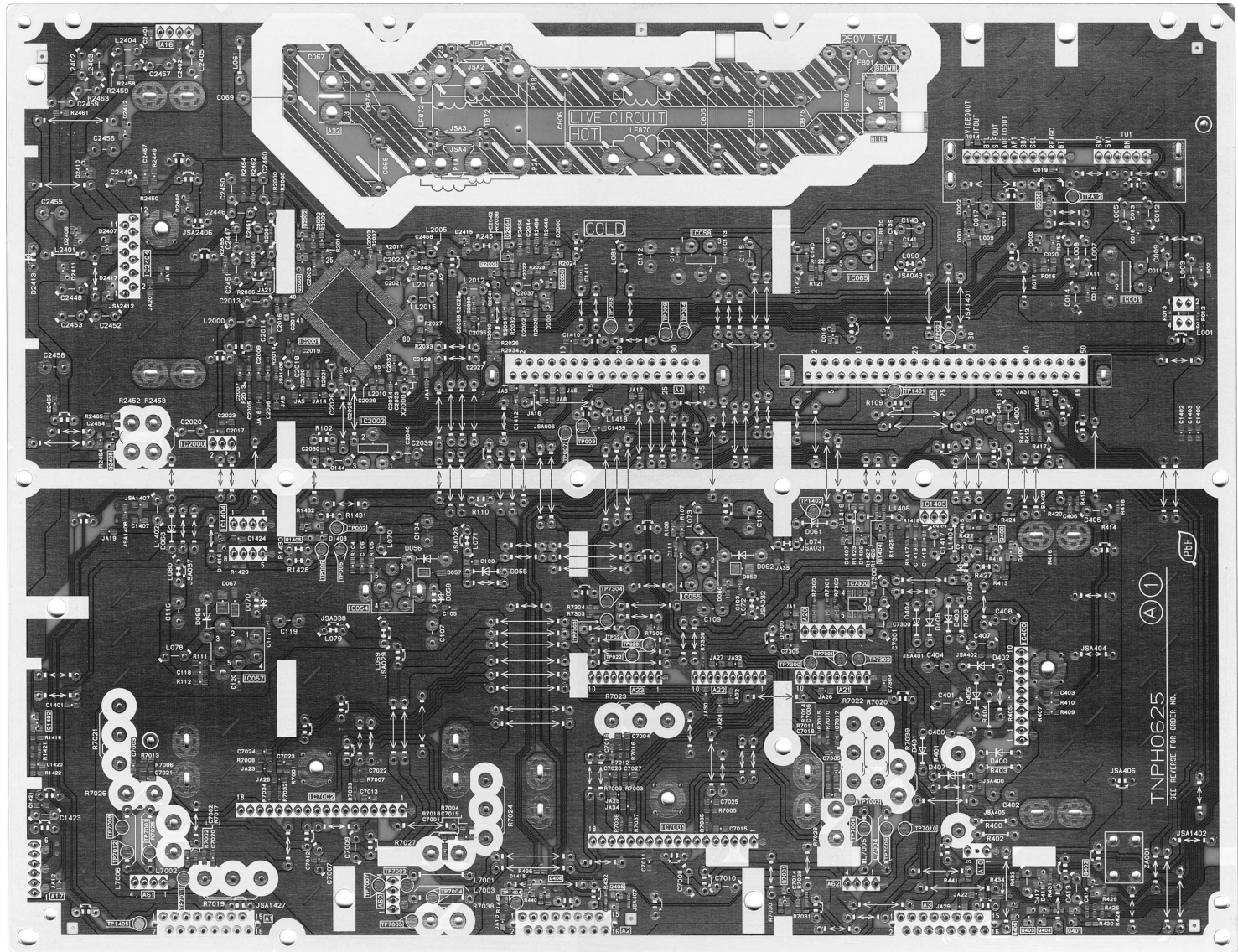
1. After insert R, G, B on CRT-print, confirm that wire should not touch to material parts of CRT-print.

12 Conductor Views

12.1. A-Board

A-Board(FOIL SIDE)

TNPH0625

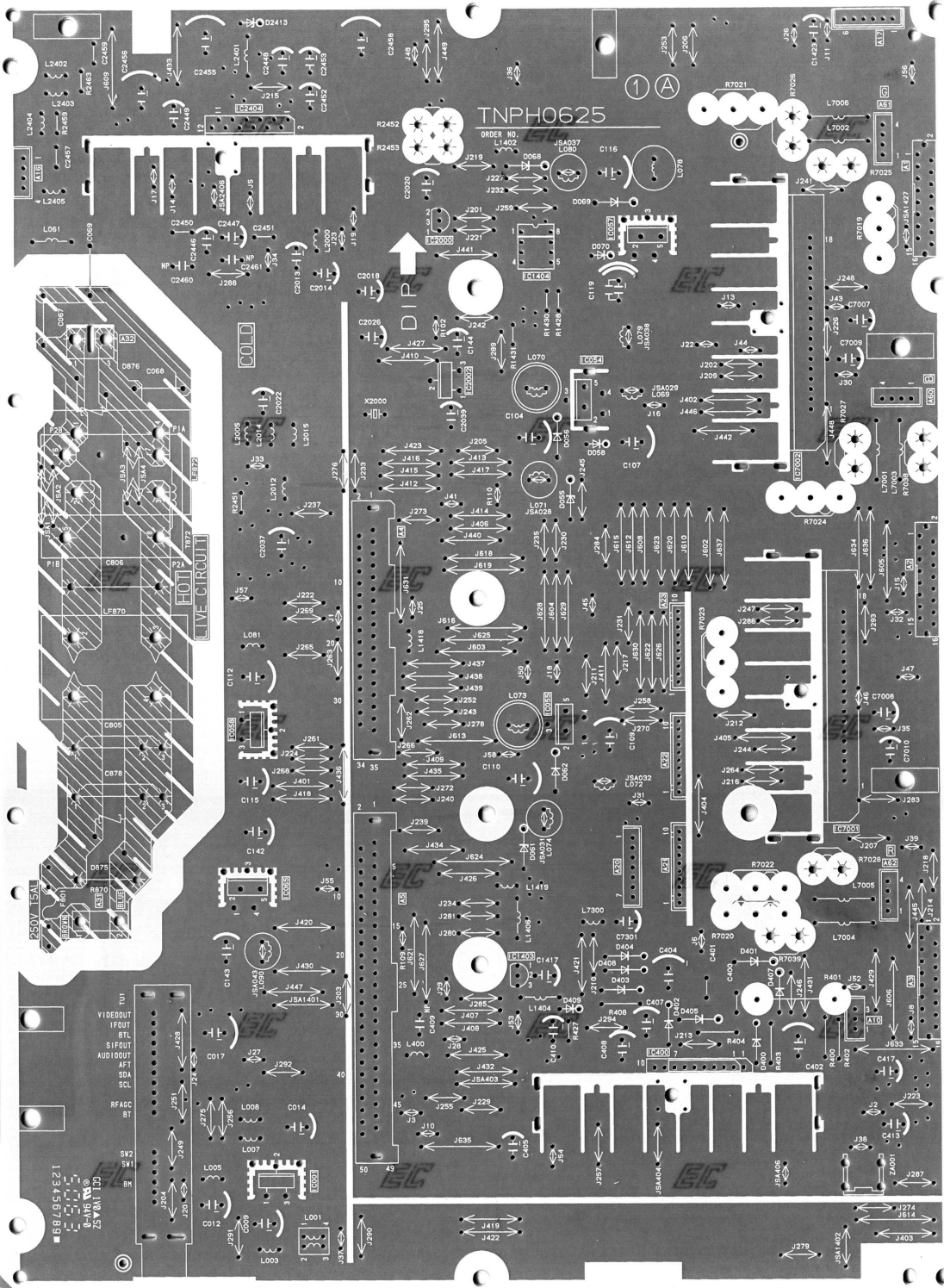


TX-43P950M/X TX-51P950M/X
A-Board TNPH0625

TX-43P950M/X TX-51P950M/X
A-Board TNPH0625

A-Board(Component Side)

TNPH0625



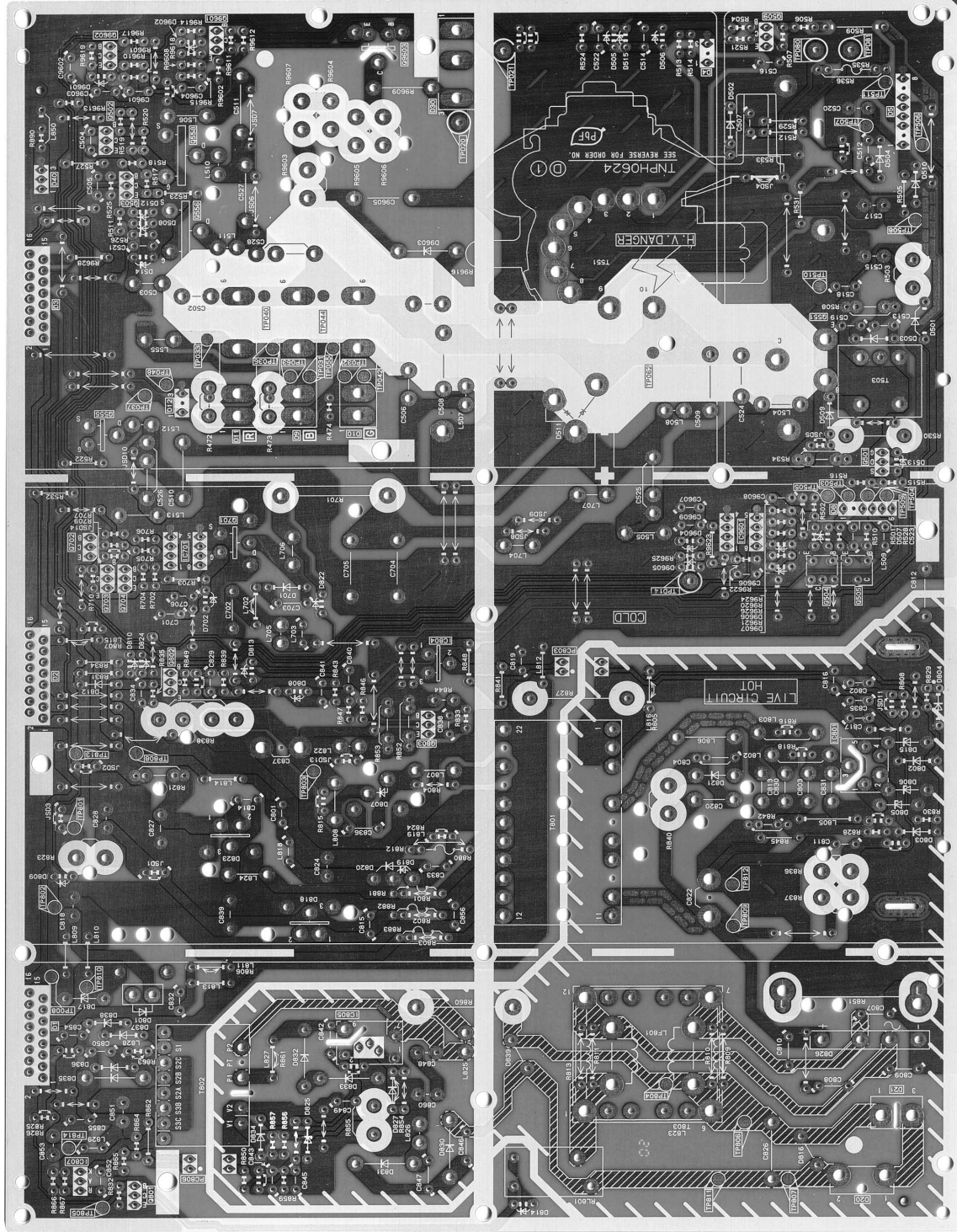
TX-43P950M/X TX-51P950M/X
A-Board TNPH0625

TX-43P950M/X TX-51P950M/X
A-Board TNPH0625

12.2. D-Board

D-Board(FOIL SIDE)

TNPH0624

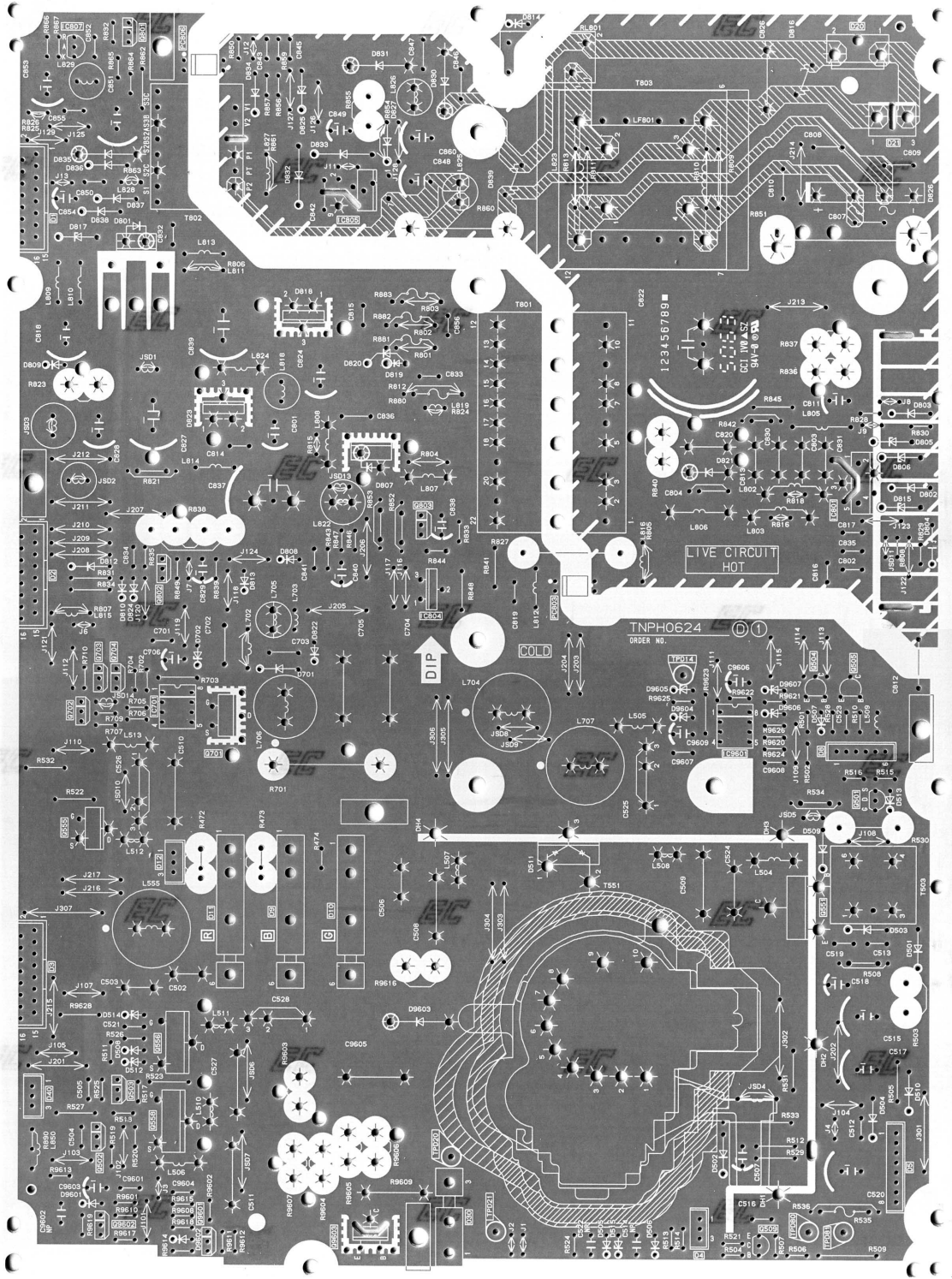


TX-43P950M/X TX-51P950M/X
D-Board TNPH0624

TX-43P950M/X TX-51P950M/X
D-Board TNPH0624

D-Board (COMPONENT SIDE)

TNPH0624

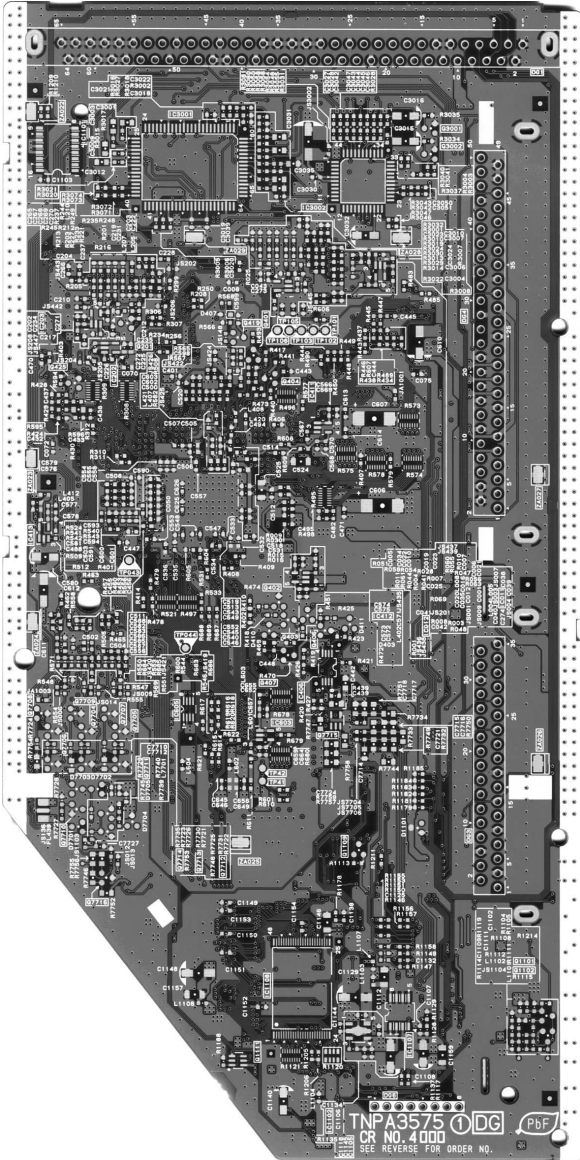


TX-43P950M/X TX-51P950M/X
D-Board TNPH0624

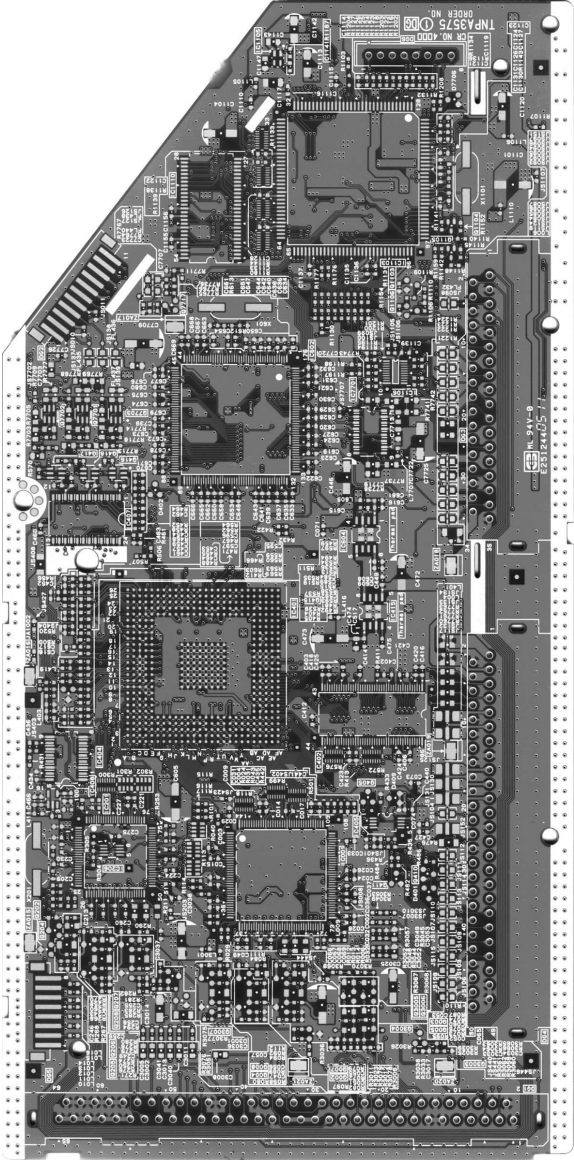
TX-43P950M/X TX-51P950M/X
D-Board TNPH0624

12.3. DG-Board

DG-Board(A SIDE)
TNPA3575



DG-Board(B SIDE)
TNPA3575

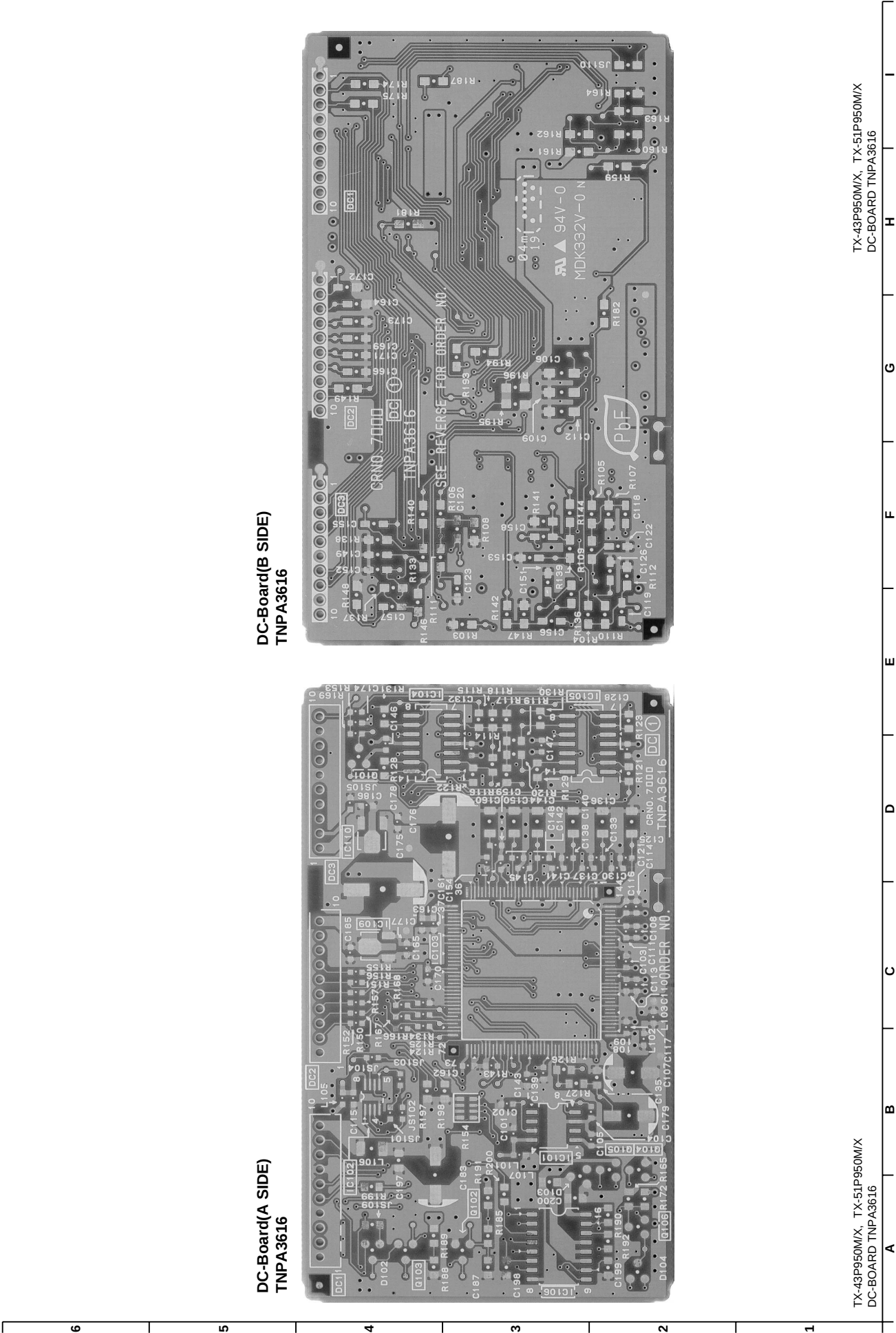


TX-43P950M/X TX-51P950M/X
DG-Board TNPA3575

TX-43P950M/X TX-51P950M/X
DG-Board TNPA3575

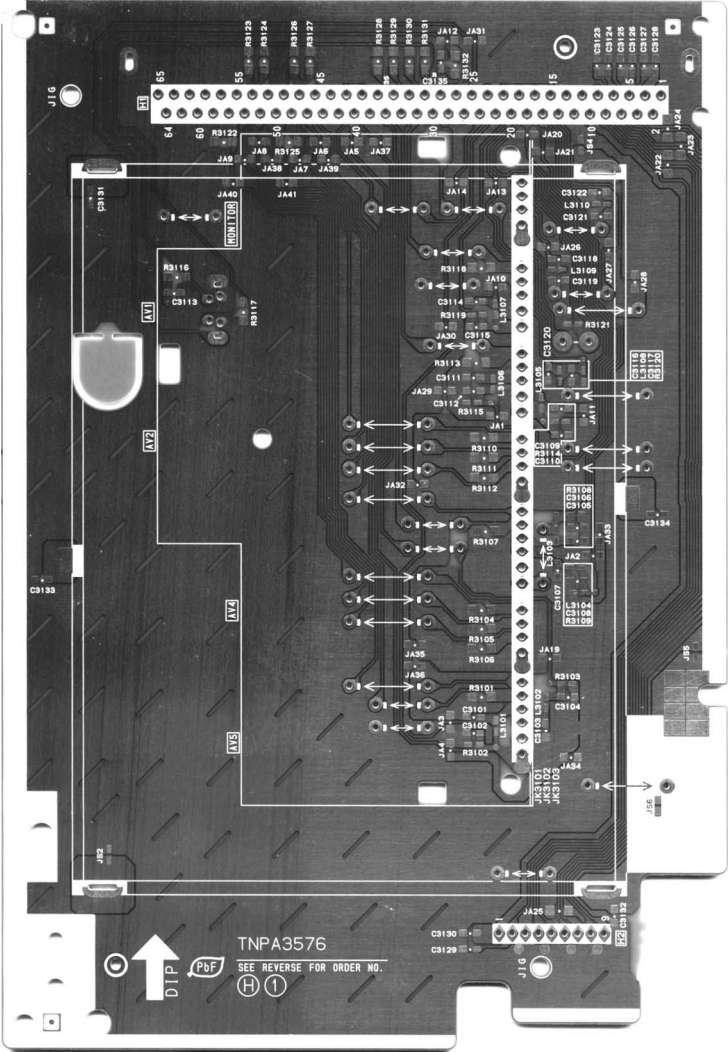
A B C D E F G H

12.4. DC-Board

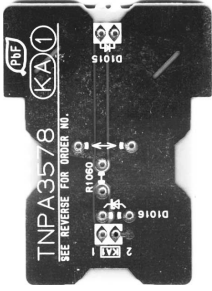


12.5. H-Board & KA-Board

H-Board
TNPA3576



KA-Board
TNPA3578

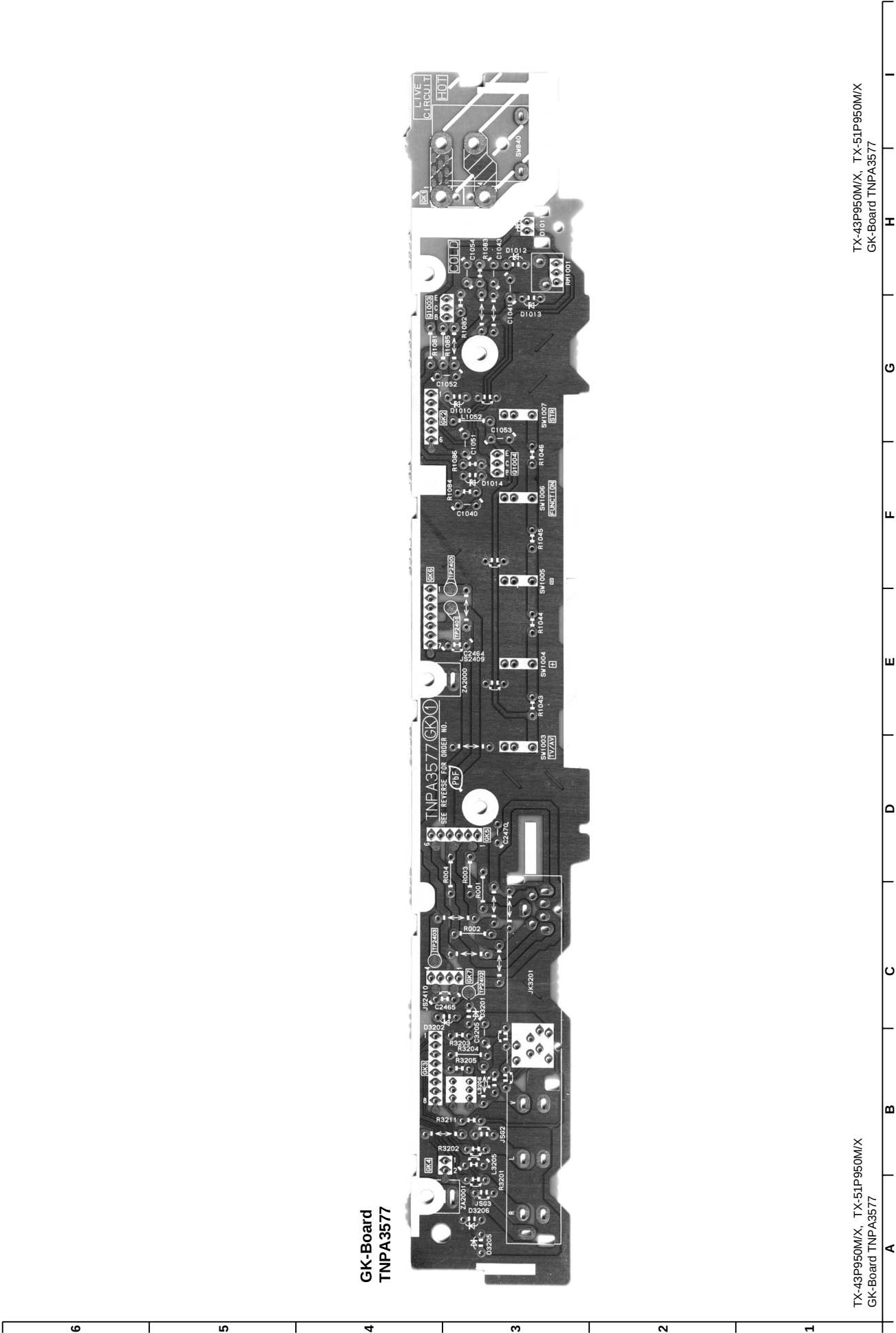


TX-43P950M/X, TX-51P950M/X
H-Board TNPA3576
KA-Board TNPA3578

TX-43P950M/X, TX-51P950M/X
H-Board TNPA3576
KA-Board TNPA3578

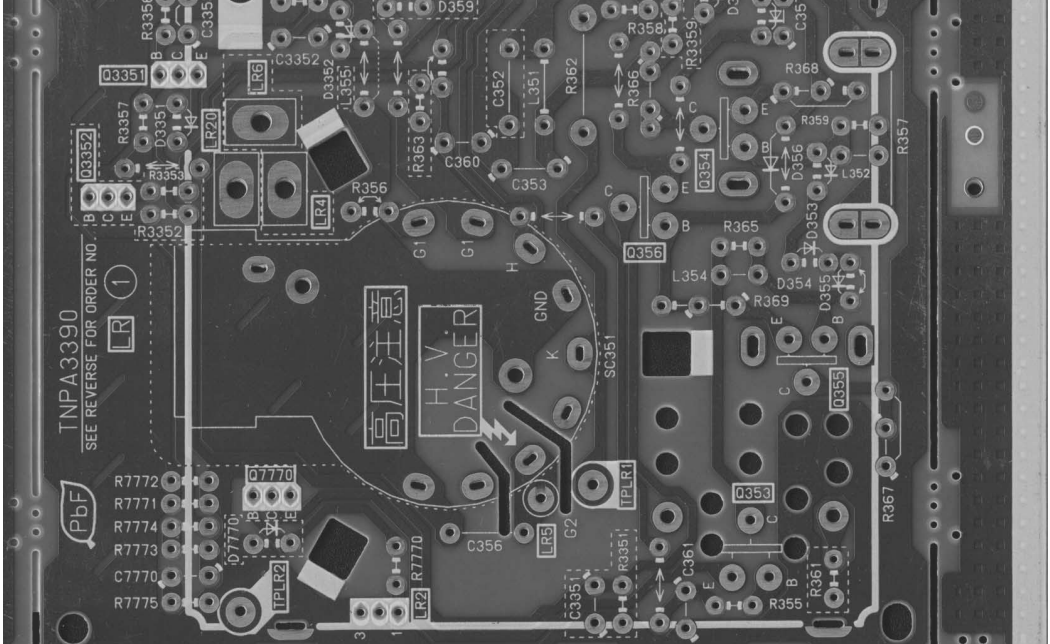
A B C D E F G H

12.6. GK-Board



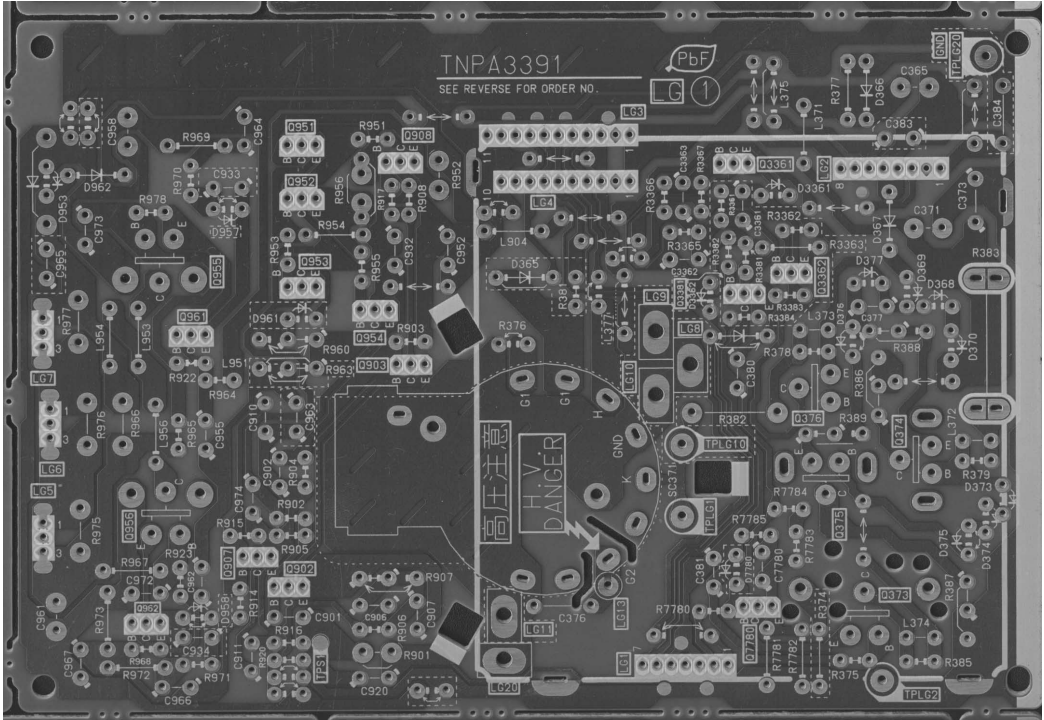
12.8. LR-Board & LG-Board

LR-Board
TNPA3390



TX-43P950M/X, TX-51P950M/X
LR-Board TNPA3390
LG-Board TNPA3391

LG-Board
TNPA3391



TX-43P950M/X, TX-51P950M/X
LR-Board TNPA3390
LG-Board TNPA3391

13 Schematic Diagram

13.1. Schematic Diagram Notes

Important Safety Notice

Components identified by Δ mark have special characteristics important for safety.
When replacing any of these components, use only manufacture's specified parts.

Notes:

1. Resistor

All resistors are cabon 1/4W resistor, unless marked as follows:

Unit of resistance is OHM [Ω] (K=1,000, M=1,000,000).

- $\bigcirc$: Nonflammable
- $\triangle$: Solid
- $\square$: Wire Wound
- $\boxtimes$: Metal Oxide
- $\odot$: Metal Film
- $\otimes$: Fuse:

2. Capacitor

All capacitors are ceramic 50V capacitor, unless marked as follows:

Unit of capacitance is μ F, unless otherwise noted.

- $\otimes$: Temperature Compensation
- $\textcircled{M}$: Polyester
- $\textcircled{B}$: Metalized Polyester
- $\boxtimes$: Polypropylene
- $\textcircled{+H}$: Electrolytic
- $\textcircled{BP}$: Bipolar
- $\textcircled{D}$: Dipped Tantalum
- $\textcircled{Z}$: Z- Type

3. Coil

Unit of inductance is μ F, unless otherwise noted.

4. Test Point

$\bigcirc$: Test Point position

5. Earth Symbol

$\text{---}\nmid\text{---}$: Chassis Earth (Cold)

$\text{---}\nmid\text{---}$: Line Earth (Hot)

6. Voltage Measurement

Voltage is measured by a DC voltmeter.

Conditions of the measurement are the following:

Power Source AC 220V-240V, 50/60Hz

Receiving Signal Colour Bar signal (RF)

All customer's controls Maximum positions

7. Number in red circle indicates waveform number.

(See waveform pattern table.)

8. When arrow mark ($\nearrow$) is found, connection is easily found from the direction of arrow

9. Indicates the major signal flow. : Video $\rightarrow$ Audio $\Leftrightarrow$

10. This schematic diagram is the latest at the time of printing and subject to change without notice.

Remarks:

1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.

The circuit is defined by HOT and COLD indications in the schematic diagram. Take the

following precautions.

All circuits, except the Power Circuit, are cold.

Precautions

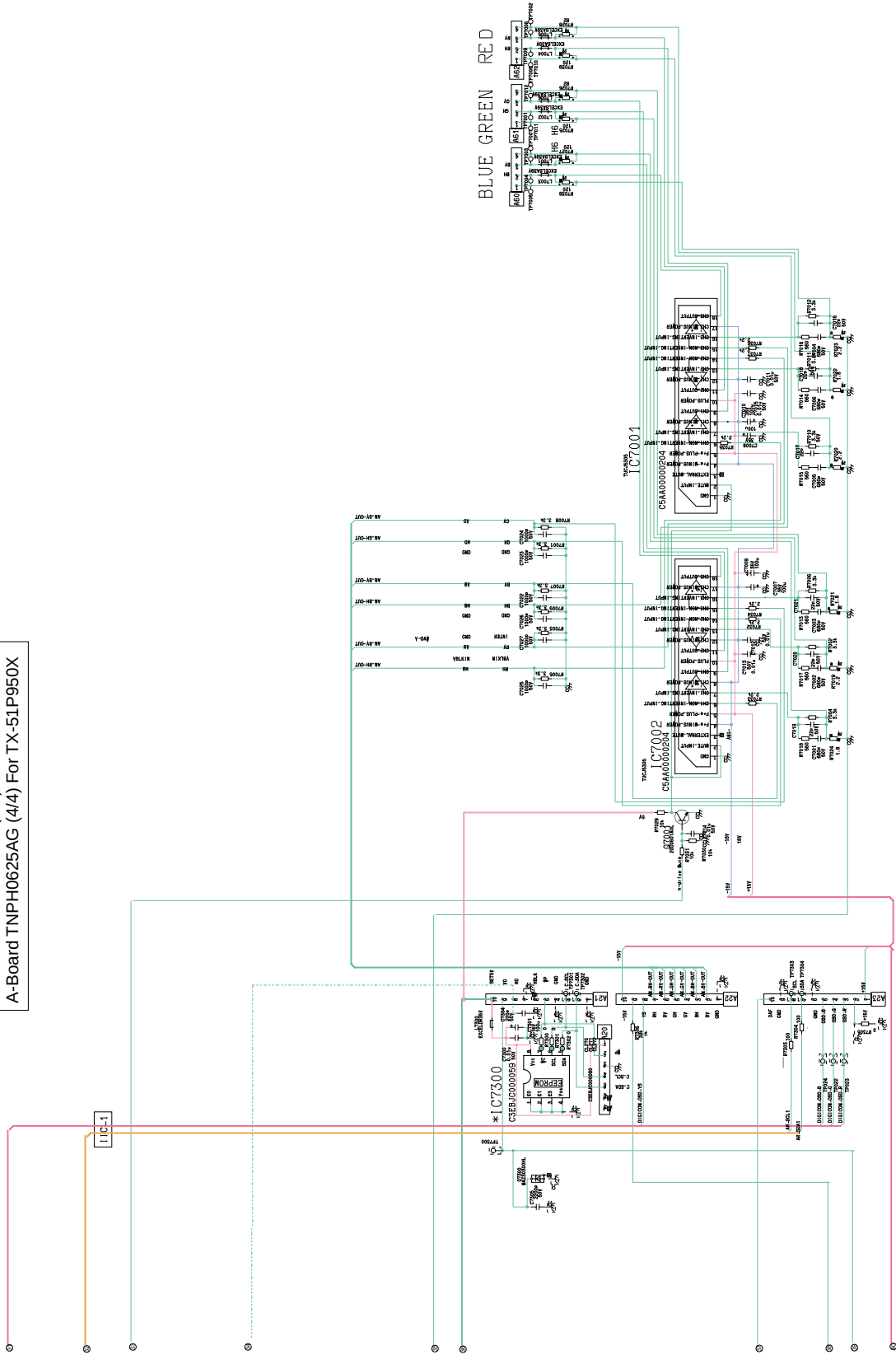
- a. Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.
- b. Do not short- circuit the hot and cold circuits or a fuse may blow and parts may break.
- c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously or a fuse may blow.
- Connect the earth of instruments to the earth connection of the circuit being measured.
- d. Make sure to disconnect the power plug before removing the chassis.
- MA150- MA162 (Replacement part)

2. Following diodes are interchangeable.



13.5. A-Board (4 of 4) Schematic Diagram

A-Board TNPH0625AH (4/4) For TX-43P950M
A-Board TNPH0625AJ (4/4) For TX-43P950X
A-Board TNPH0625AF (4/4) For TX-51P950M
A-Board TNPH0625AG (4/4) For TX-51P950X



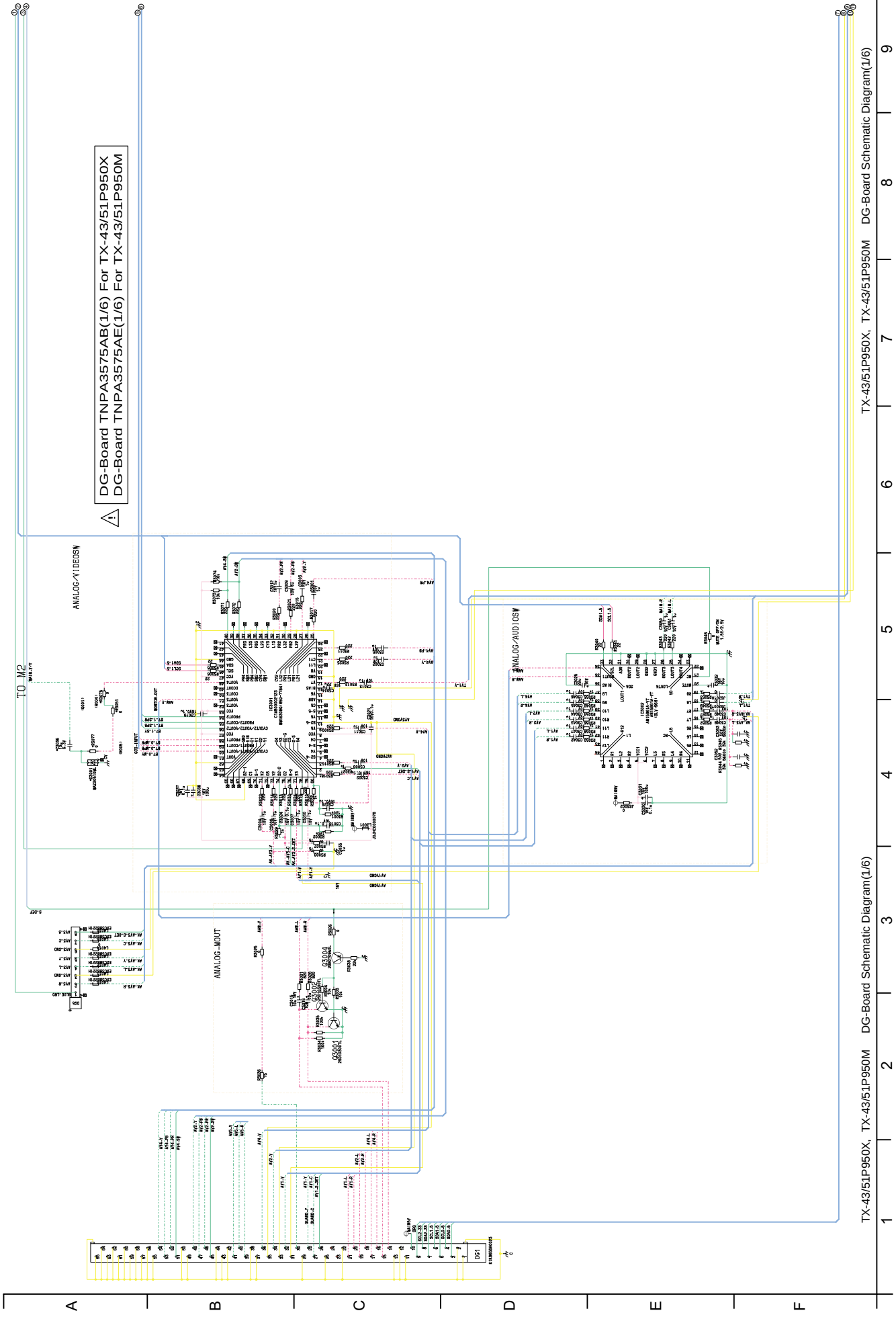
TX-43P950M TX-43P950X TX-51P950M TX-51P950X A-Board Schematic Diagram(4/4)

TX-43P950M TX-43P950X TX-51P950M TX-51P950X A-Board Schematic Diagram(4/4)





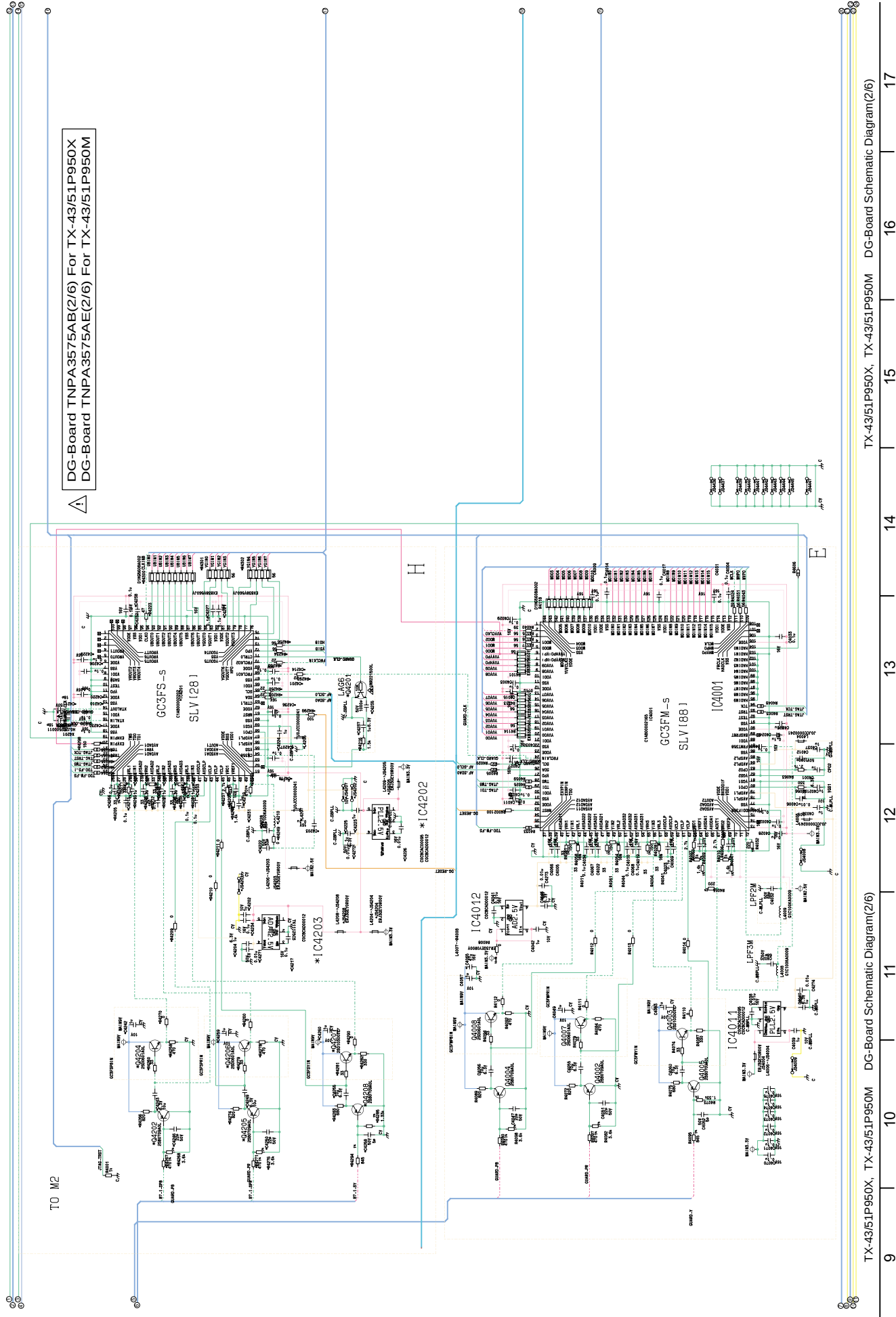
13.9. DG-Board (1 of 6) Schematic Diagram



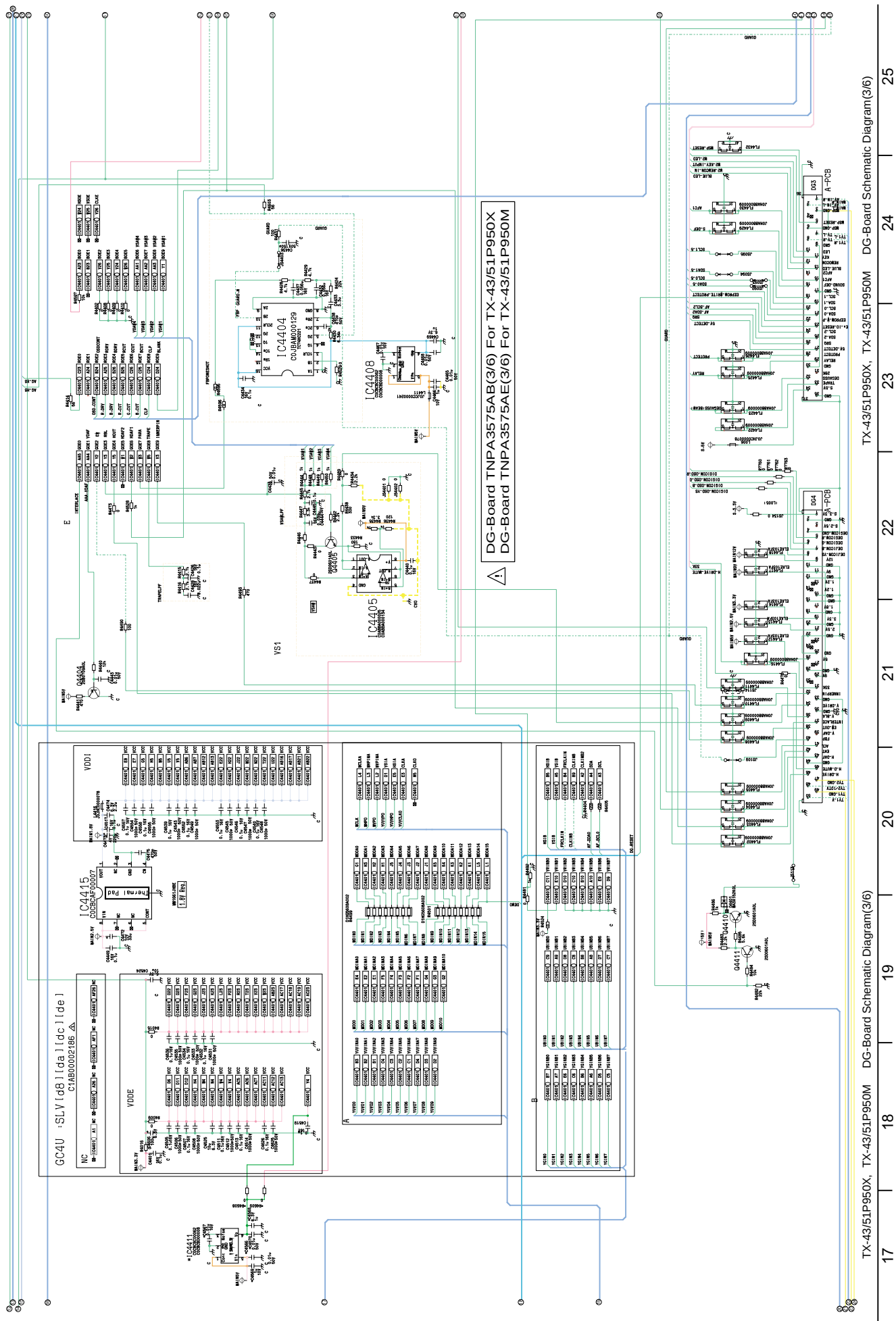
TX-43/51P950X, TX-43/51P950M DG-Board Schematic Diagram(1/6)

TX-43/51P950X, TX-43/51P950M DG-Board Schematic Diagram(1/6)

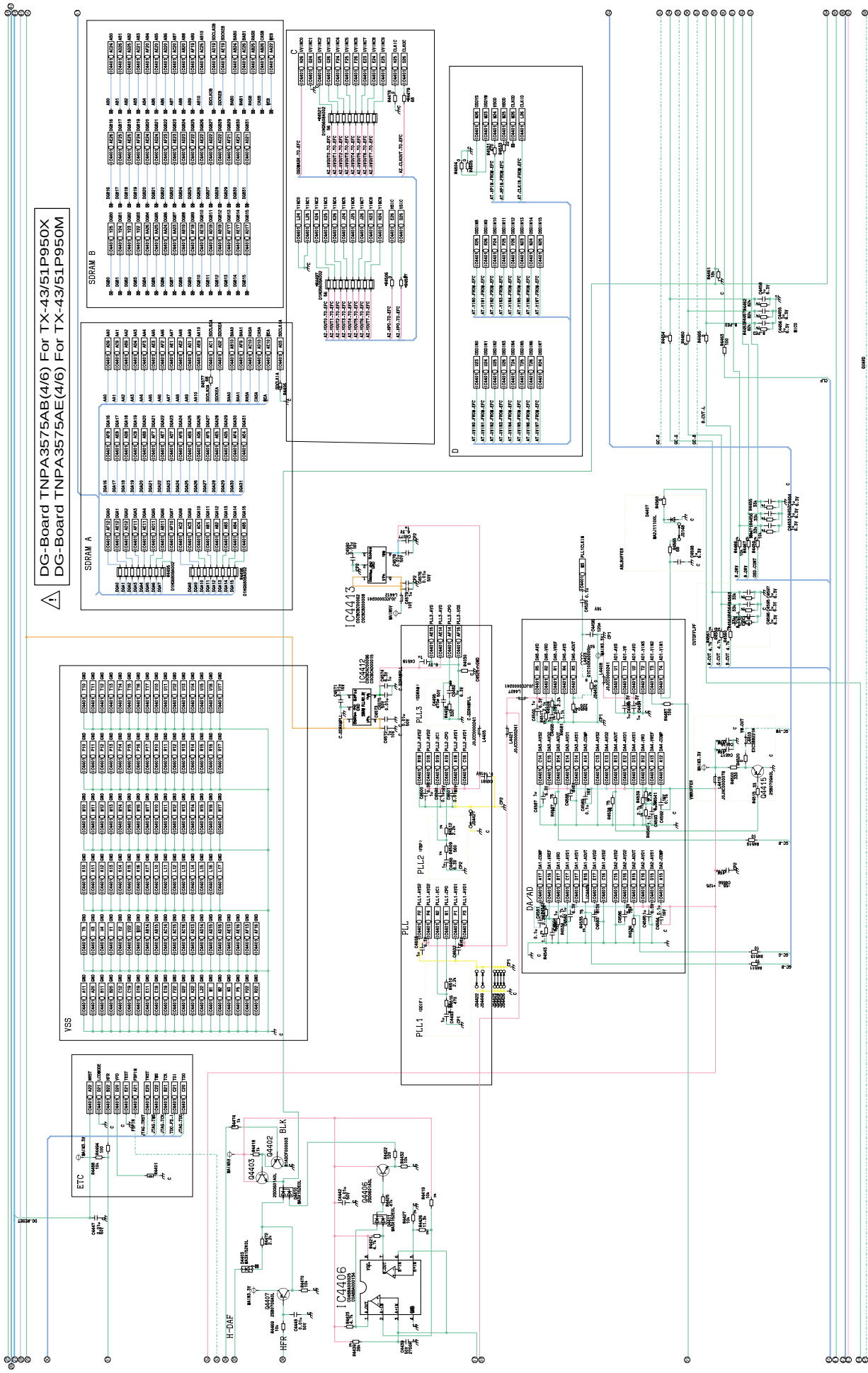
13.10. DG-Board (2 of 6) Schematic Diagram



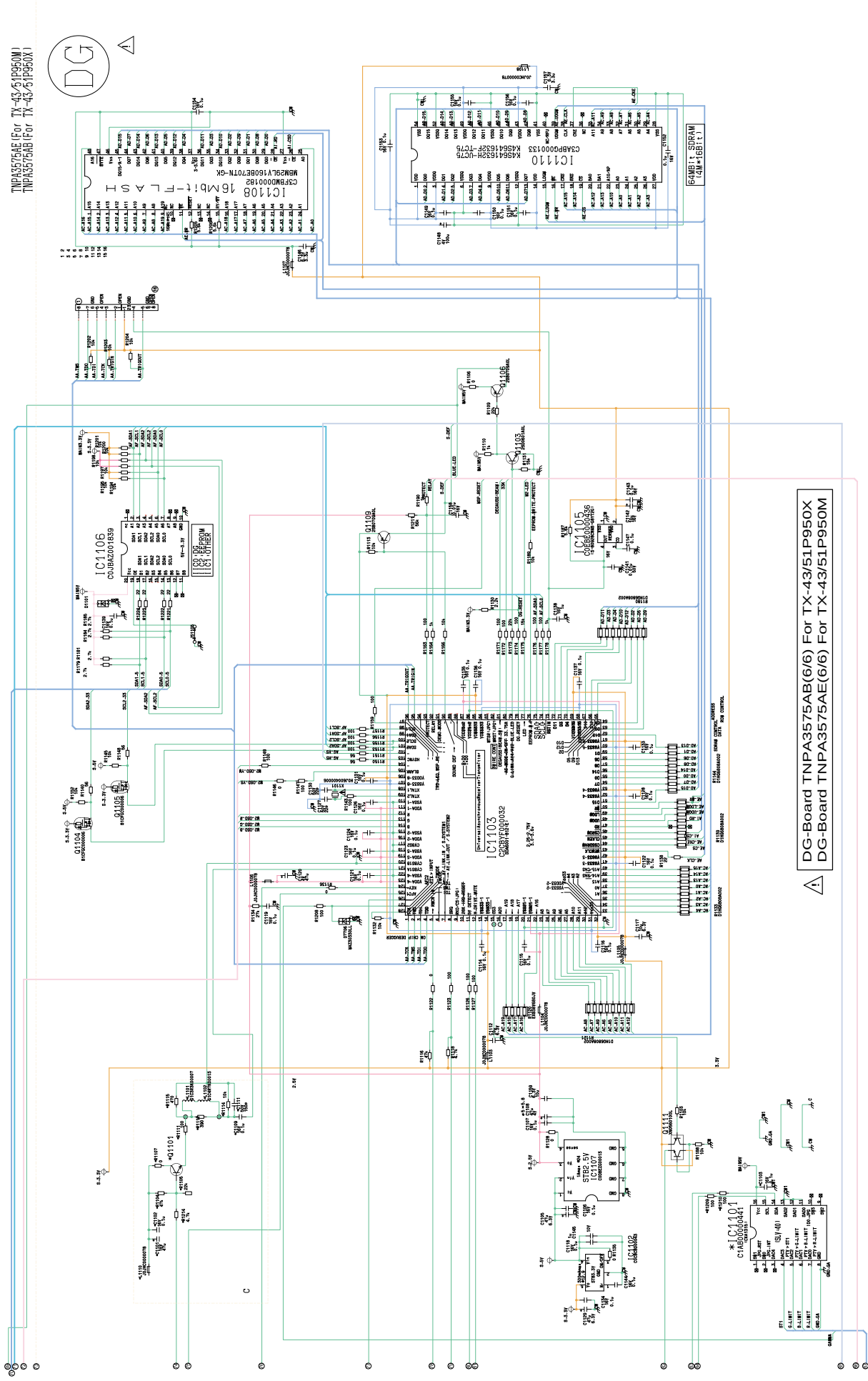
13.11. DG-Board (3 of 6) Schematic Diagram



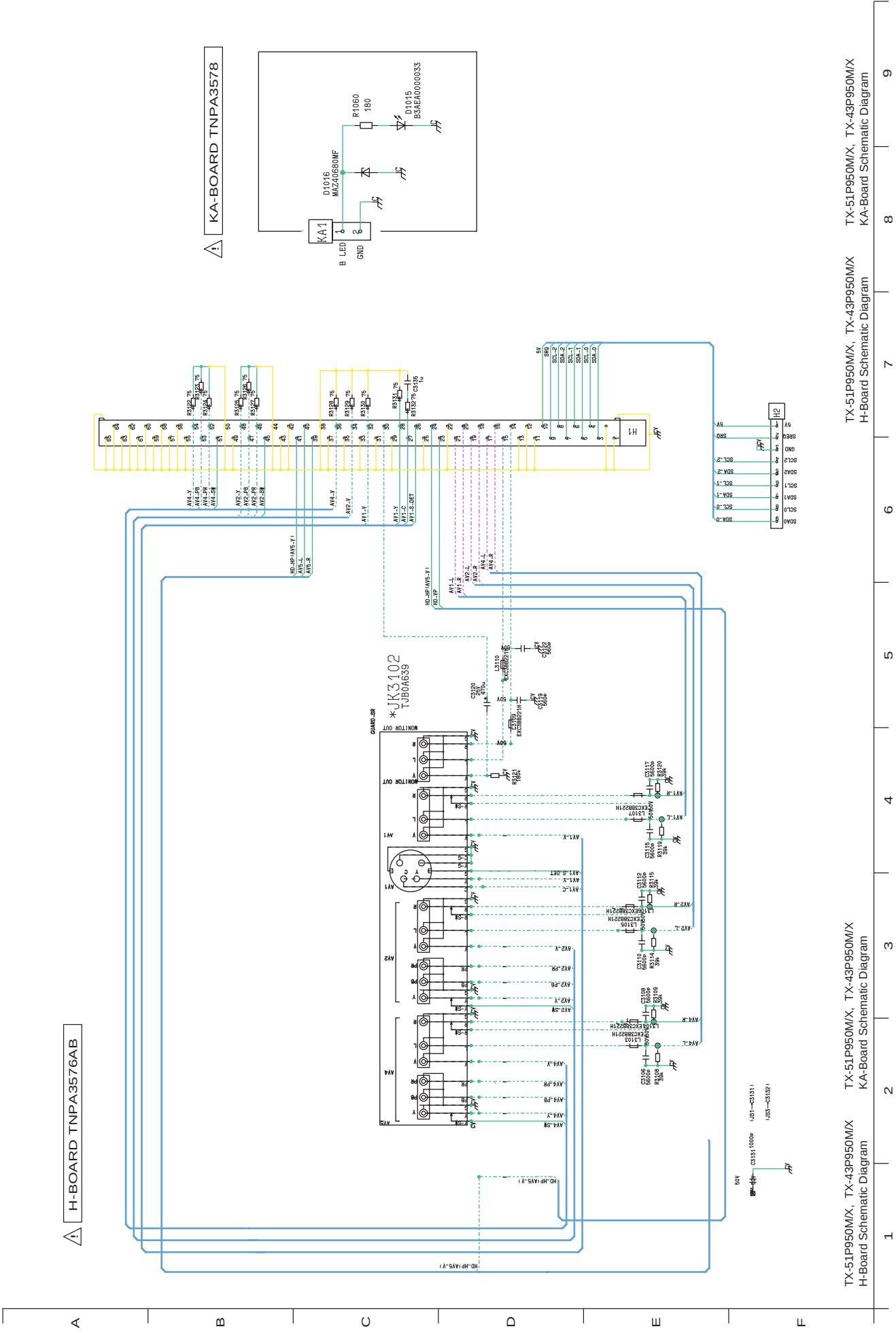
13.12. DG-Board (4 of 6) Schematic Diagram



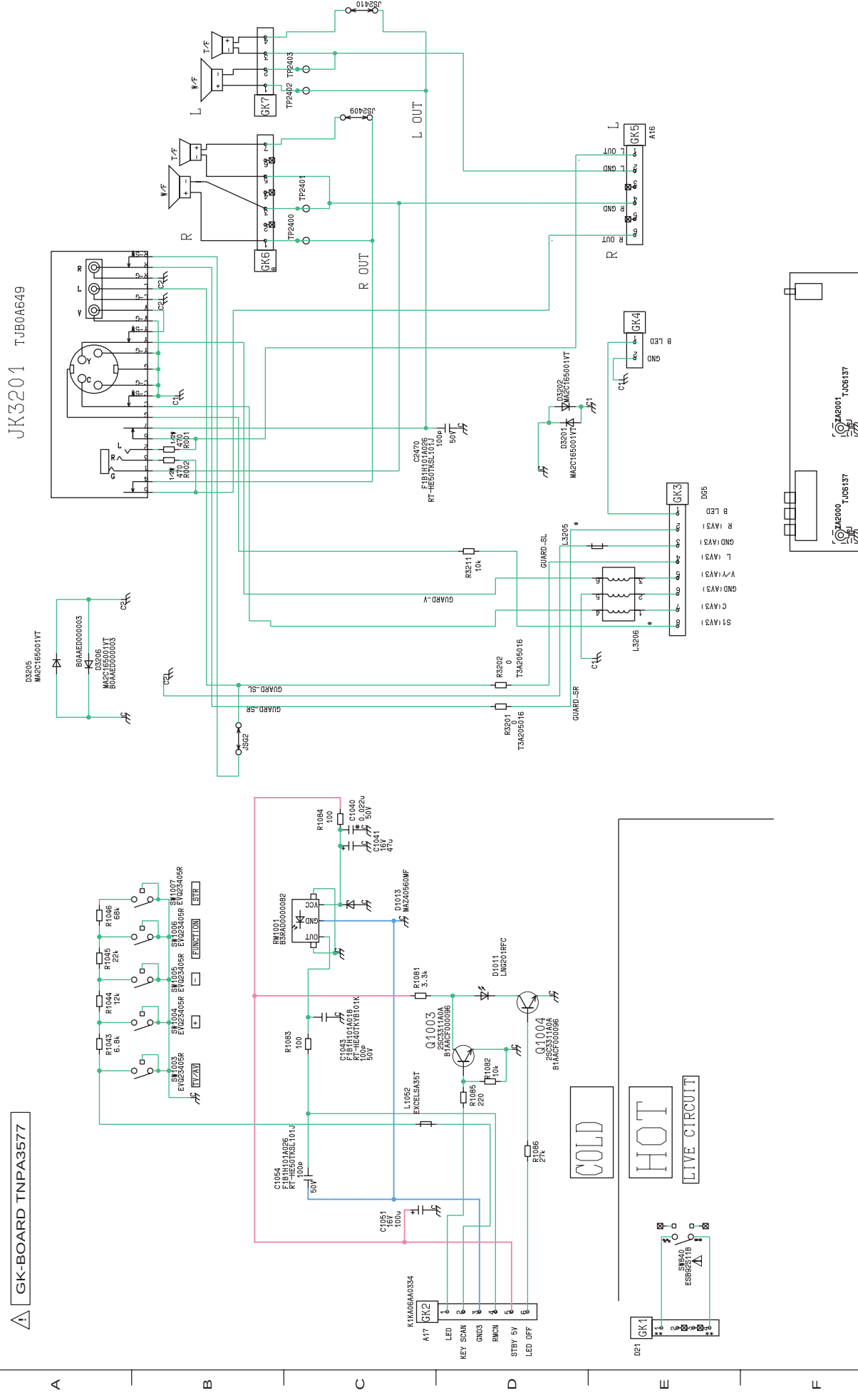
13.14. DG-Board (6 of 6) Schematic Diagram



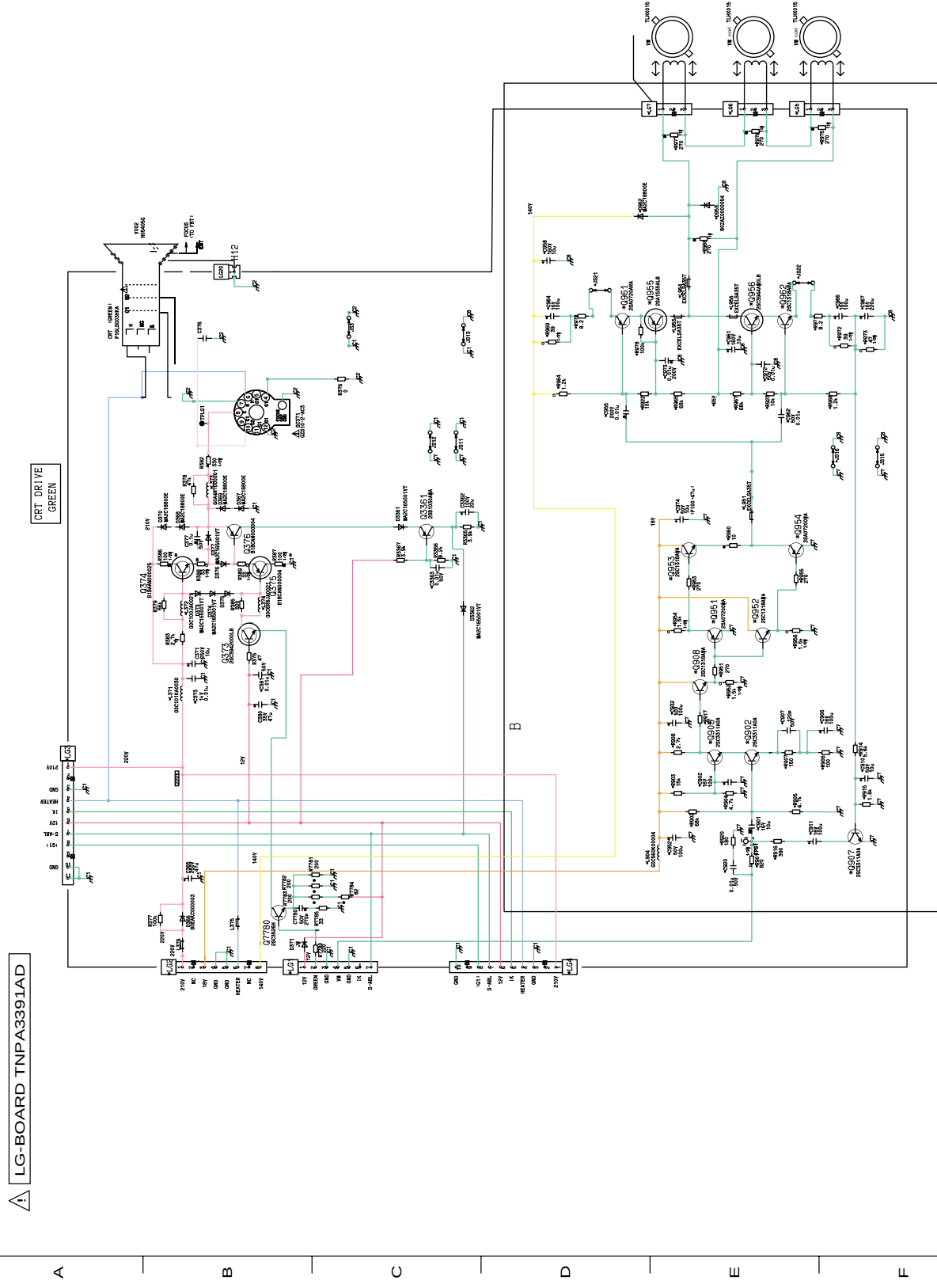
13.15. H and KA-Board Schematic Diagram



13.16. GK-Board Schematic Diagram

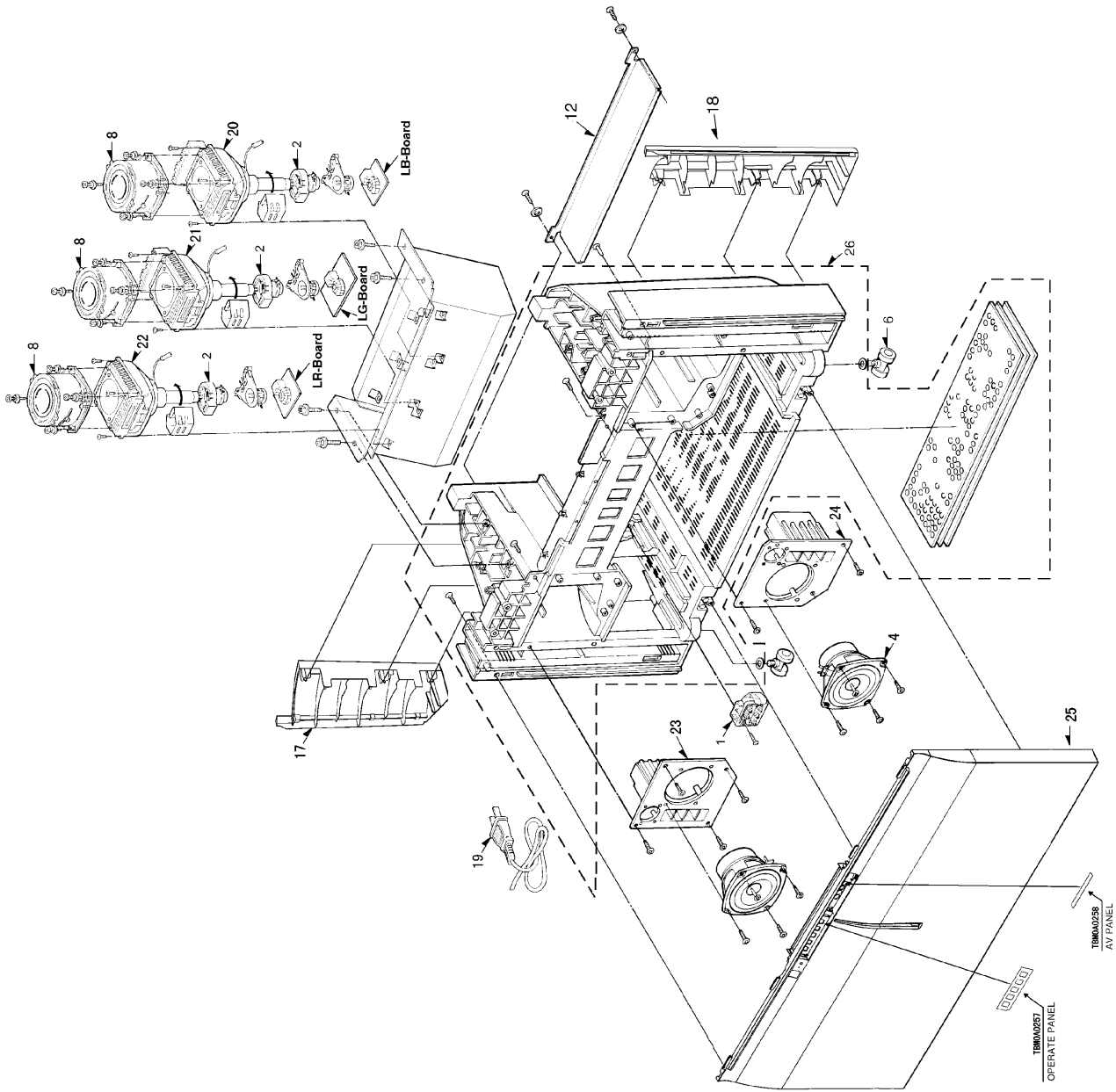


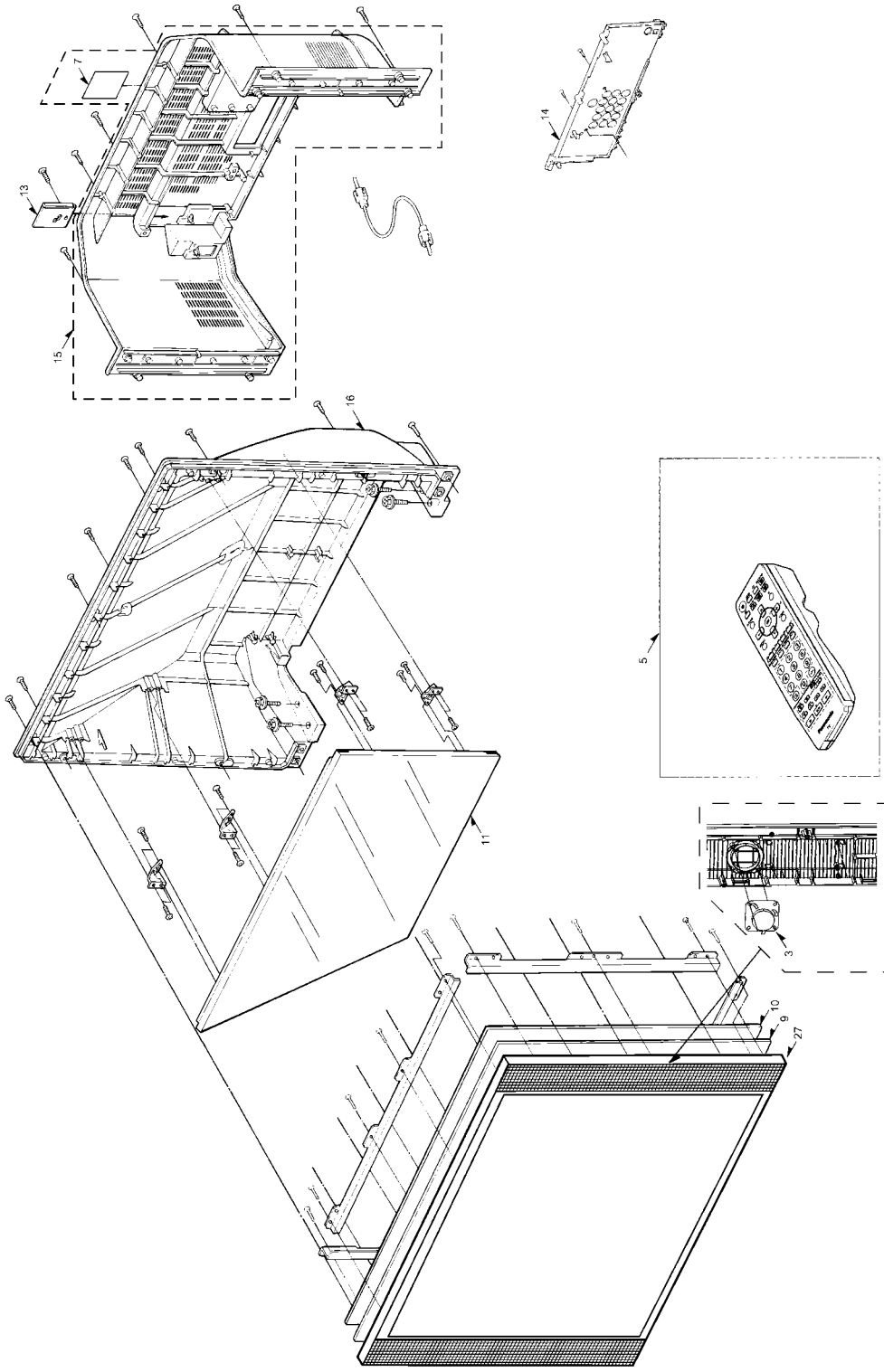
13.18. LG-Board Schematic Diagram



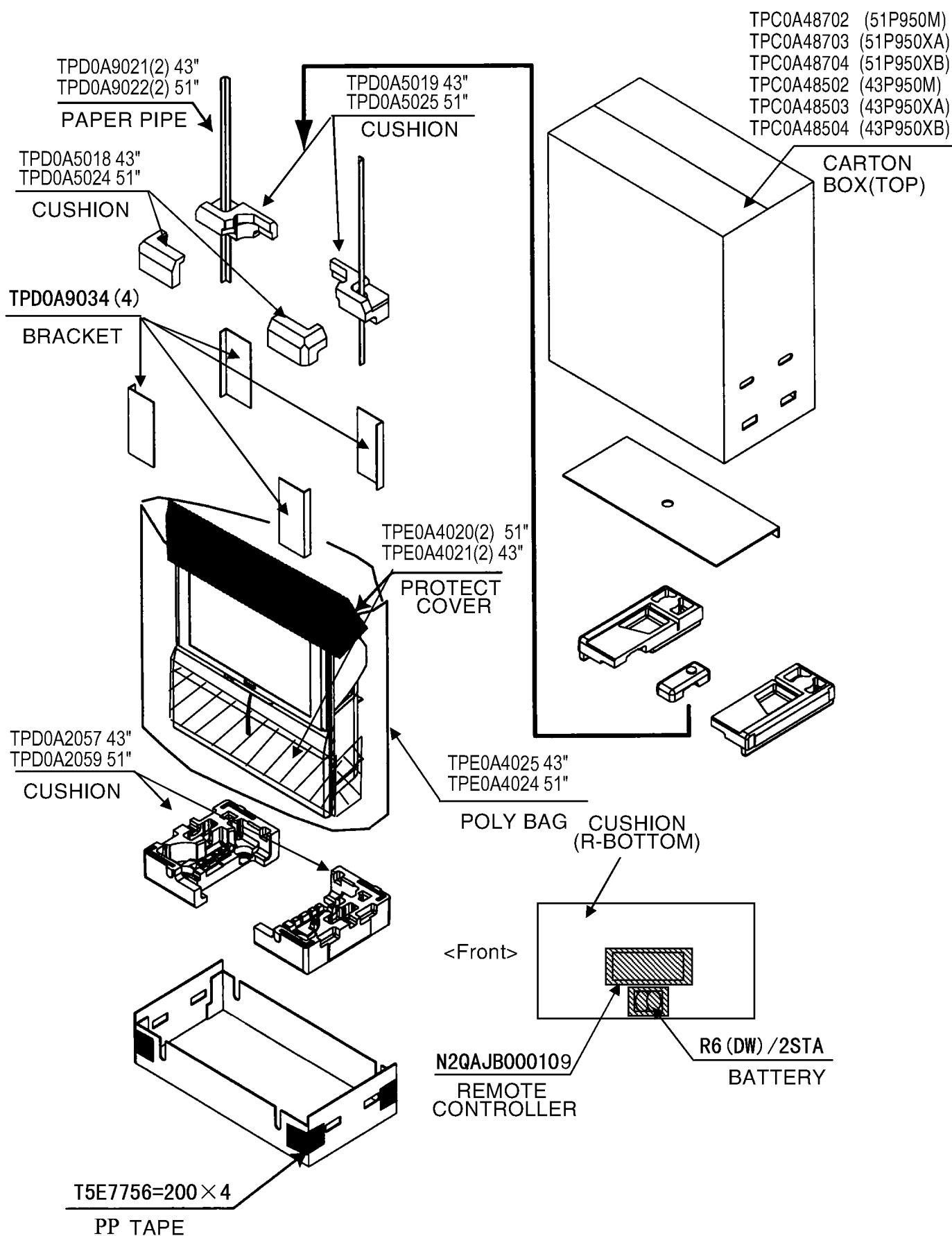
14 Parts Location

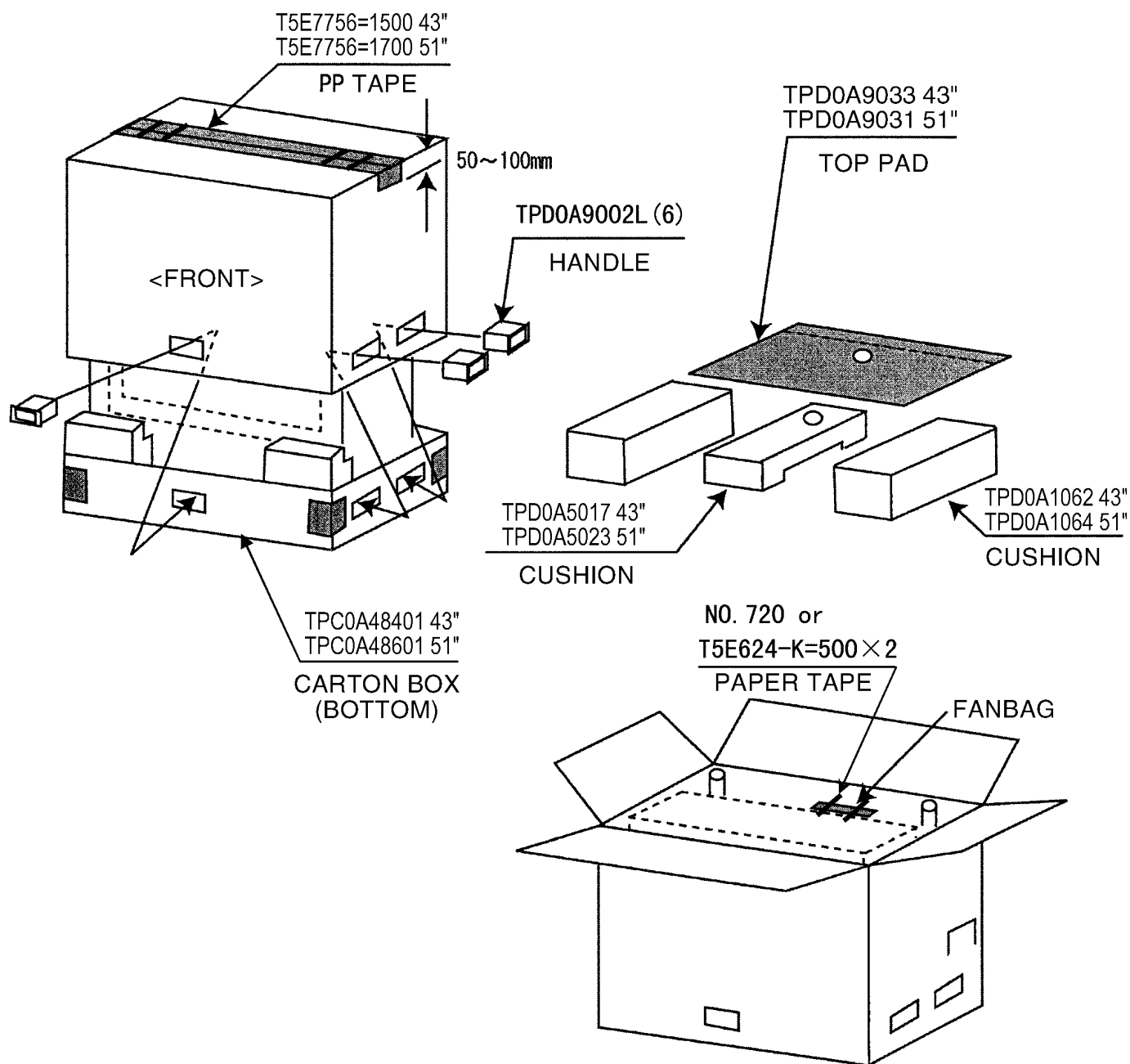
Note: The number on mechanical parts indicates Ref. No.Mechanical Replacement Parts List.





15 Packing Exploded View





16 Mechanical Replacement Parts List

51" mechanical replacement parts list

Ref. No.	Part No.	Part Name & Description	Remarks
	3800A	PROTECT TAPE	
	BSC29-0151E	HIGH VOLTAGE DISTRIBUTE	△
1	D9ZZ00000106	VR or D9ZZ00000079	△
	DCA9015	VM COIL	
2	G0F100000006	DY	△
	J0KF00000018	FERRITE CORE	
19	K2CR2DZ00001	AC CORD(TX-51P950M/XB)	△
19	K2CT3DZ00006	AC CORD(TX-51P950XA)	△
	K2DR53D00001	TRANSFORM SOCKET(TX-51P950XA)	
3	L0AA05A00063	SPEAKER	
4	L0AA10A00022	SPEAKER	
5	N2QAJB000109	REMOTE CONTROLLER	
	NO.720	PAPER TAPE	
	R6(DW)/2STA	BATTERY	
	SC102HSC	SILICA GEL	
	T4FM2515J	TAPE	
	T5E7756	TAPE	
	T8C1710201H	SILICA GEL	
6	TBL0A8407	LEG-CASTER	
	TBM0A0257	OPERATE PANEL	
	TBM0A0258	AV PANEL	
7	TBM0A0270	MODEL NAME PLATE(TX-51P950M)	△
7	TBM0A0271	MODEL NAME PLATE(TX-51P950XA)	△
7	TBM0A0281-1	MODEL NAME PLATE(TX-51P950XB)	△
	TBM0A3005	PANASONIC BADGE	
	TBX0A83701	POWER BUTTON	
	TBX0A83801	5-KEY BUTTON	
	TES0A203	SPRING	
8	TKG0A9526	LENS	
11	TKG0A9542	MIRROR	
9	TKGH5077	SCREEN	
10	TKGH5078	SCREEN	
12	TKK0A8401	LED PANEL	
13	TKK0A8527	REAR COVER	
	TKK0A8531	LED PANEL	
14	TKP0AB1604	REAR AV BRACKET	
	TKP0AB2201	BAR	
	TKP0AB2301	DOOR	
15	TKU0A2404A	BACK COVER	
16	TKU0A3401-1	BACK COVER	
17	TKX0A1501-1	CABINER(RIGHT)	
18	TKX0A1601-1	CABINER(RIGHT)	
	TKZ0A8808	SOLEPLATE	
	TKZ0A8811	BAR	
	TKZ0A8812	BAR	
	TMK0A013	FELT	
	TMK0A082	FELT	
	TMK0A086	FELT	
	TMK0A087	FELT	
	TMK0A090	FELT	
	TMK0A091	FELT	
	TMK0A098	FELT	
	TMK0A122	FELT	
	TMK0A123	FELT	
	TMK0A131	FELT	
	TMK0A136	FELT	
	TMK0A137	FELT	
	TMK0A153	FELT	
	TMK0A734	SPONGE	
	TMK0A756	SPONGE	
	TMK0A767	RUBBER MAT	
	TMM0A448	CLAMPER	
	TMZ0A9101	BAR	
	TMZ0A9501	BAR	
	TPC0A48601	CARTON BOX	
	TPC0A48702	CARTON BOX(TX-51P950M)	

Ref. No.	Part No.	Part Name & Description	Remarks
	TPC0A48703	CARTON BOX(TX-51P950XA)	
	TPC0A48704	CARTON BOX(TX-51P950XB)	
	TPD0A1064	CUSHION	
	TPD0A2059	CUSHION	
	TPD0A5023	CUSHION	
	TPD0A5024	CUSHION	
	TPD0A5025	CUSHION	
	TPD0A9002L	HANDLE	
	TPD0A9022	ROUND PAPER PIPE	
	TPD0A9031	MAT	
	TPD0A9034	BRACKET	
	TPE0A4020	PROTECT COVER	
	TPE0A4024	BAG	
	TQB0A1151	FAN BAG(TX-51P950M)	
	TQB0A1152	FAN BAG(TX-51P950XA)	
	TQB0A1156	FAN BAG(TX-51P950XB)	
	TQD0A12002	CHECK OUT TICKET	
	TUA0A0500-3	BRACKET	
	TUX0A132	OPERATE PANEL	
20	TXCB1KZV	PICTURE TUBE	△
21	TXCG1KYV	PICTURE TUBE	△
22	TXCR1KZV	PICTURE TUBE	△
23	TXFKJ01KYV	SPEAKER BRACKET	
24	TXFKJ11KYV	SPEAKER BRACKET	
25	TXFKP01HGC5	SPEAKER BOARD	
26	TXFKY04HFC5	CABINET(BOTTOM)	
27	TXFKY011KZV	CABINET(TOP)	
	XTB4+20AFJK	SCREW	
	YZ430BM	FBT CORD or KFT7CM356F	△
	YZ600BM	FBT CORD or KFT7CM357F	△

43" mechanical replacement parts list

Ref. No.	ITEM	ITEM DESCRIPTION	Remarks
	3800A	PROTECT TAPE	
	BSC29-0151E	HIGH VOLTAGE DISTRIBUTE	△
1	D9ZZ00000106	VR or D9ZZ00000079	△
	DCA9015	VM COIL	
2	G0F100000006	DY	△
	J0KF00000018	FERRITE CORE	
19	K2CR2DZ00001	AC CORD(TX-43P950M/XB)	△
19	K2CT3DZ00006	AC CORD(TX-43P951XA)	△
	K2DR53D00001	TRANSFORM SOCKET(TX-43P950XA)	
3	L0AA05A00063	SPEAKER	
4	L0AA10A00022	SPEAKER	
5	N2QAJB000109	REMOTE CONTROLLER	
	NO.720	PAPER TAPE	
	R6(DW)/2STA	BATTERY	
	SC102HSC	SILICA GEL	
	T4FM2515J	TAPE	
	T5E7756	TAPE	
	T8C1710201H	SILICA GEL	
6	TBL0A8407	LEG-CASTER	
	TBM0A0257	OPERATE PANEL	
	TBM0A0258	AV PANEL	
7	TBM0A0266	MODEL NAME PLATE(TX-43P950M)	△
7	TBM0A0267	MODEL NAME PLATE(TX-43P950XA)	△
7	TBM0A0280-1	MODEL NAME PLATE(TX-43P950XB)	△
	TBM0A3005	PANASONIC BADGE	
	TBX0A83701	POWER BUTTON	
	TBX0A83801	5-KEY BUTTON	
	TES0A203	SPRING	
8	TKG0A9525	DRAWTUBE	
9	TKG0A9534	SCREEN	
10	TKG0A9535	SCREEN	
11	TKG0A9536	MIRROR	
12	TKK0A8401	LED PANEL	

Ref. No.	ITEM	ITEM DESCRIPTION	Remarks
13	TKK0A8527	REAR COVER	
	TKK0A8531	LED PANEL	
14	TKP0AB1604	REAR AV BRACKET	
	TKP0AB2201	BAR	
	TKP0AB2301	DOOR	
15	TKU0A2404A	BACK COVER (BOTTOM)	
16	TKU0A3701	BACK COVER	
17	TKX0A1701-1	CABINET (LEFT)	
18	TKX0A1801-1	CABINET (RIGHT)	
	TKZ0A8808	SOLEPLATE	
	TKZ0A8813	PRESS BAR	
	TKZ0A8814	BAR	
	TMK0A082	FELT	
	TMK0A086	FELT	
	TMK0A090	FELT	
	TMK0A091	FELT	
	TMK0A093	FELT	
	TMK0A096	FELT	
	TMK0A098	FELT	
	TMK0A129	FELT	
	TMK0A131	FELT	
	TMK0A137	FELT	
	TMK0A138	FELT	
	TMK0A139	FELT	
	TMK0A734	SPONGE	
	TMK0A757	SPONGE	
	TMK0A767	RUBBER MAT	
	TMM0A448	CLAMPER	
	TMZ0A9101	BAR	
	TMZ0A9401	BAR	
	TPC0A48401	CARTON BOX	
	TPC0A48502	CARTON BOX (TX-43P950M)	
	TPC0A48503	CARTON BOX (TX-43P950XA)	
	TPC0A48504	CARTON BOX (TX-43P950XB)	
	TPD0A1062	CUSHION	
	TPD0A2057	CUSHION	
	TPD0A5017	CUSHION	
	TPD0A5018	CUSHION	
	TPD0A5019	CUSHION	
	TPD0A9002L	HANDLE	
	TPD0A9021	PAPER PIPE	
	TPD0A9033	MAT	
	TPD0A9034	BRACKET	
	TPE0A4021	PROTECT COVER	
	TPE0A4025	BAG	
	TQB0A1151	FAN BAG (TX-43P950M)	
	TQB0A1152	FAN BAG (TX-43P950XA)	
	TQB0A1156	FAN BAG (TX-43P950XB)	
	TQD0A12002	CHECK OUT TICKET	
	TUA0A0500-3	BRACKET	
	TUX0A132	OPERATE PANEL	
20	TXCB1KYV	PICTURE TUBE	△
21	TXCG1KYV	PICTURE TUBE	△
22	TXCR1KYV	PICTURE TUBE	△
23	TXFKJ01KYV	SPEAKER BRACKET	
24	TXFKJ11KYV	SPEAKER BRACKET	
25	TXFKP01HDC5	SPEAKER BOARD	
27	TXFKY011KYV	CABINET (TOP)	
26	TXFKY04HFC5	CABINET (BOTTOM)	
	XTB4+20AFJK	SCREW	
	YZ430BM	FBT CORD or KFT7CM356F	△
	YZ600BM	FBT CORD or KFT7CM357F	△

17 Electrical Replacement Parts List

17.1. Replacement Parts List Notes

Important Safety Notice

*Components identified by Δ mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.*

RTL (Retention Time Limited)

Note: The marking (RTL) indicates that the Retention Time is Limited for this item.

After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

Abbreviation of part name and description

1. Resistor

Example:

ERD25TJ104 C 100KOHM, J, 1/4W
Type Allowance

2. Capacitor

Example:

ECKF1H103ZF C 0.01UF, Z, 50V
Type Allowance

Type	Allowance
C : Carbon	F : $\pm 1\%$
F : Fuse	G : $\pm 2\%$
M : Metal Oxide	J : $\pm 5\%$
Metal Film	K : $\pm 10\%$
S : Solid	M : $\pm 20\%$
W : Wire Wound	

Type	Allowance
C : Ceramic	C : $\pm 0.25\text{pF}$
E : Electrolytic	D : $\pm 0.5\text{pF}$
P : Polyester	F : $\pm 1\text{pF}$
Polypropylene	G : $\pm 3\text{pF}$
T : Tantalum	J : $\pm 5\text{pF}$
	K : $\pm 10\text{pF}$
	L : $\pm 15\text{pF}$
	M : $\pm 20\text{pF}$
	P : +100%, -0%
	Z : +80%, -20%

17.2. Electrical Replacement Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
IC001	AN78M05LB	IC	
IC054	C0DAAZG00014	IC	
IC055	C0DAAZG00014	IC	
IC057	C0DAAZG00014	IC	
IC058	AN78M09LB	IC	
IC065	C0DAEHG00006	IC	
IC701	AN6914	IC	
IC801	C5HABZZ00123	IC	△
IC804	C0EAS0000025	IC	
IC805	C5HABZZ00165	IC	
IC807	C0DAAMA00003	IC	
IC1101	C1AB00000441	IC	
IC1102	C0CBCBD00043	IC	
IC1103	C2CBYF000032	IC	
IC1105	C0EBE0000436	IC	
IC1106	C0JBAZ001839	IC	
IC1107	C0DBEZG00013	IC	
IC1108	TVRN553	IC	C3FBMD000182
IC1110	C3ABPG000133	IC	
IC1403	C0EAH0000139	IC	
IC1404	TVRN551	IC(TX-43P950M)	C3EAHC000008
IC1404	TVRN552	IC(TX-43P950X)	C3EAHC000008
IC1404	TVRN548	IC(TX-51P950M)	C3EAHC000008
IC1404	TVRN549	IC(TX-51P950X)	C3EAHC000008
IC2000	AN78L08-TA	IC	
IC2001	C1AB00002133	IC	
IC2404	C1AA00000677	IC	
IC3001	C1AB00002123	IC	
IC3002	AN15861A-VT	IC	
IC4001	C1AB00002165	IC	
IC4011	C0CBCAC00095	IC	
IC4012	C0CBCAD00012	IC	
IC4201	C1AB00002202	IC	
IC4202	C0CBCAC00095	IC	
IC4203	C0CBCAD00012	IC	
IC4401	C1AB00002186	IC	
IC4402	C3ABPJ000063	IC	
IC4404	C0JBAM000129	IC	
IC4405	C0ABBA000025	IC	
IC4406	C0ABBA000025	IC	
IC4407	AN15935A-VF	IC	
IC4408	C0CBCBC00062	IC	
IC4411	C0CBCBC00062	IC	
IC4412	C0CBCAC00096	IC	
IC4413	C0CBCBC00062	IC	
IC4415	C0CBCAF00007	IC	
IC7001	C5AA00000204	IC	
IC7002	C5AA00000204	IC	
IC7101	C0DBFGD00002	IC	
IC7103	C1AB00001940	IC	
IC7104	C0ABFB000016	IC	
IC7105	C0ABFB000016	IC	
IC7106	C1AB00000454	IC	
IC7109	AN79L12M-E1	IC	
IC7110	AN78L12M-E1	IC	
IC7300	TVRN550	IC(TX-43P950M/X)	C3EBJC000059
IC7300	TVRN547	IC(TX-51P950M/X)	C3EBJC000059
IC7701	C1AB00001394	IC	
IC9601	AN6562	IC	
IC400-A	C1AA00000688	IC	
D001	MAZ31500HL	DIODE	
D002	MAZ31500HL	DIODE	
D003	MA3X152K0L	DIODE	
D010	MA3X152K0L	DIODE	
D055	B0BA01000070	DIODE	
D056	B0JAME000091	DIODE	
D062	B0JAME000091	DIODE	
D069	B0JAME000091	DIODE	
D353	MA2C165001VT	DIODE	
D354	MA2C165001VT	DIODE	

Ref. No.	Part No.	Part Name & Description	Remarks
D357	MA2C165001VT	DIODE	
D360	MA2C18800E	DIODE	
D361	MA2C18800E	DIODE	
D362	MA2C18800E	DIODE	
D363	MA2C18800E	DIODE	
D366	B0EAKC000003	DIODE	
D367	MA2C18800E	DIODE	
D368	MA2C18800E	DIODE	
D369	MA2C18800E	DIODE	
D370	MA2C18800E	DIODE	
D373	MA2C165001VT	DIODE	
D374	MA2C165001VT	DIODE	
D377	MA2C165001VT	DIODE	
D387	MA2C18800E	DIODE	
D388	MA2C18800E	DIODE	
D389	MA2C18800E	DIODE	
D390	MA2C18800E	DIODE	
D393	MA2C165001VT	DIODE	
D394	MA2C165001VT	DIODE	
D397	MA2C165001VT	DIODE	
D400	B0EAKC000003	DIODE	
D401	B0EAKC000003	DIODE	
D402	B0HAMR000048	DIODE	
D403	B0EAKC000003	DIODE	
D404	B0EAKC000003	DIODE	
D406	MA3X152K0L	DIODE	
D407	B0EAKC000003	DIODE	
D408	B0EAKC000003	DIODE	
D409	MA2C72300F	DIODE	
D458	MAZ30330LL	DIODE	
D501	B0HALP000007	DIODE	
D502	B0HALP000007	DIODE	
D503	B0HALP000007	DIODE	
D504	B0HALP000007	DIODE	
D505	MA2C165001VT	DIODE	
D506	MA2C165001VT	DIODE	
D507	MA2C165001VT	DIODE	
D509	B0HAMC000013	DIODE	
D510	B0HAKM000005	DIODE	
D511	B0KZ00000001	DIODE	
D513	MAZ41500MF	DIODE	
D514	MAZ42700MF	DIODE	
D515	MAZ40680LF	DIODE	
D701	B0HALP000007	DIODE	
D702	MAZ41200MF	DIODE	
D801	B0HANR000014	DIODE or FMGG26S	△
D802	B0HAGP000003	DIODE	
D803	B0HAGP000003	DIODE	
D804	B0HAGP000003	DIODE	
D805	MAZ20820A0LS	DIODE	
D806	MAZ20820A0LS	DIODE	
D807	B0HAPV000009	DIODE	
D808	MA2C165001VT	DIODE	
D809	MA2C165001VT	DIODE	
D813	MA2C165001VT	DIODE	
D814	MA2C165001VT	DIODE	
D815	MAZ22400B0LS	DIODE	
D816	ERZV10V621P2	DIODE	
D818	B0HBRM000012	DIODE	
D819	B0JANE000009	DIODE	
D821	B0EAEV000001	DIODE	
D822	MA2C16700E	DIODE	
D823	B0HBRM000012	DIODE	
D824	MA2C165001VT	DIODE	
D825	B0BA01000070	DIODE	
D826	B0FBAT000008	DIODE	
D827	B0EAEV000001	DIODE	
D830	B0AAMV000005	DIODE	
D831	B0AAMV000005	DIODE	
D832	B0ZAZ0000045	DIODE	
D833	B0BA42500001	DIODE	

Ref. No.	Part No.	Part Name & Description	Remarks
D834	B0EAEV000001	DIODE	
D835	B0JANG000003	DIODE	
D837	B0JAMG000025	DIODE	
D838	B0JAMG000025	DIODE	
D839	ERZV10V621P2	DIODE	
D875	ERZV10V621P2	DIODE	
D876	ERZV10V621P2	DIODE	
D953	B0ZAZ0000054	DIODE	
D962	MA2C18800E	DIODE	
D1011	LNG201RFC	DIODE	
D1013	MAZ40560MF	DIODE	
D1015	B3AEA0000033	DIODE	
D1016	MAZ40680MF	DIODE	
D1101	MAZ30560ML	DIODE	
D1408	MA3X152K0L	DIODE	
D1416	MAZ30560ML	DIODE	
D2000	MA3X152K0L	DIODE	
D2001	MA3X152K0L	DIODE	
D2407	MAZ33600ML	DIODE	
D2408	MAZ33600ML	DIODE	
D2409	MAZ33600ML	DIODE	
D2410	MAZ33600ML	DIODE	
D2411	MAZ33600ML	DIODE	
D2412	MAZ33600ML	DIODE	
D2413	MAZ43600MF	DIODE	
D3001	MAZ30510ML	DIODE	
D3201	MA2C165001VT	DIODE	
D3202	MA2C165001VT	DIODE	
D3205	MA2C165001VT	DIODE	
D3206	MA2C165001VT	DIODE	
D3351	MA2C165001VT	DIODE	
D3352	MA2C165001VT	DIODE	
D3361	MA2C165001VT	DIODE	
D3362	MA2C165001VT	DIODE	
D3371	MA2C165001VT	DIODE	
D3372	MA2C165001VT	DIODE	
D4401	MA3X152K0L	DIODE	
D4402	MA3X152E0L	DIODE	
D4403	MA3X152K0L	DIODE	
D4407	MA2J11100L	DIODE	
D4410	MA3X152E0L	DIODE	
D4411	MA3X152E0L	DIODE	
D7102	MA3X152E0L	DIODE	
D7103	MAZ30620ML	DIODE	
D7300	MAZ30300HL	DIODE	
D7701	MA3X152E0L	DIODE	
D7702	MA3X152E0L	DIODE	
D7703	MA3X152K0L	DIODE	
D7706	MAZ30330LL	DIODE	
D9601	MA2C165001VT	DIODE	
D9602	MA2C0290BF	DIODE	
D9603	B0HACW000001	DIODE	
D9604	MAZ40620L3TV	DIODE	
D9605	MAZ40300HF	DIODE	
D9606	MAZ40300HF	DIODE	
D9607	MAZ40750HF	DIODE	
PC803	ON3171R	DIODE or B3PAA0000012	⚠
PC806	ON3171R	DIODE or B3PAA0000012	⚠
Q006	2SB0709A0L	TRANSISTOR	
Q353	2SC3942000LB	TRANSISTOR	
Q354	B1BAAN000025	TRANSISTOR	
Q355	B1BCAN000004	TRANSISTOR	
Q356	B1BCAN000004	TRANSISTOR	
Q373	2SC3942000LB	TRANSISTOR	
Q374	B1BAAN000025	TRANSISTOR	
Q375	B1BCAN000004	TRANSISTOR	
Q376	B1BCAN000004	TRANSISTOR	
Q393	2SC3942000LB	TRANSISTOR	
Q394	B1BAAN000025	TRANSISTOR	
Q395	B1BCAN000004	TRANSISTOR	
Q396	B1BCAN000004	TRANSISTOR	
Q400	2SD0601A0L	TRANSISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
Q401	2SD0601A0L	TRANSISTOR	
Q402	2SB0709A0L	TRANSISTOR	
Q403	2SB0709A0L	TRANSISTOR	
Q404	2SD0601A0L	TRANSISTOR	
Q408	2SD0601A0L	TRANSISTOR	
Q501	B1CEML000002	TRANSISTOR	
Q502	2SC3311A0A	TRANSISTOR	
Q504	2SC14730L	TRANSISTOR	
Q505	2SC14730L	TRANSISTOR	
Q509	2SC1473TA	TRANSISTOR	
Q551	2SC5686000RK	TRANSISTOR	
Q558	B1DAFU000003	TRANSISTOR	
Q701	2SK2538000LB	TRANSISTOR	
Q801	2SC3311A0A	TRANSISTOR	
Q802	2SC3311A0A	TRANSISTOR	
Q803	2SA19610QAHW	TRANSISTOR	
Q902	2SC3311A0A	TRANSISTOR	
Q903	2SC3311A0A	TRANSISTOR	
Q907	2SC3311A0A	TRANSISTOR	
Q908	2SC1318AWA	TRANSISTOR	
Q951	2SA720TA	TRANSISTOR	
Q952	2SC1318AWA	TRANSISTOR	
Q953	2SC1318AWA	TRANSISTOR	
Q954	2SA720TA	TRANSISTOR	
Q955	2SA1535AW0LB	TRANSISTOR	
Q956	2SC3944AW0LB	TRANSISTOR	
Q961	2SA0720ARA	TRANSISTOR	
Q962	2SC1318ARA	TRANSISTOR	
Q1003	2SC3311A0A	TRANSISTOR	
Q1004	2SC3311A0A	TRANSISTOR	
Q1101	2SD0601A0L	TRANSISTOR	
Q1103	2SD0601A0L	TRANSISTOR	
Q1104	B1CFG0000006	TRANSISTOR	
Q1105	B1CFG0000006	TRANSISTOR	
Q1106	2SB0709A0L	TRANSISTOR	
Q1109	2SB0709A0L	TRANSISTOR	
Q1111	XN0560100L	TRANSISTOR	
Q1402	2SD0601A0L	TRANSISTOR	
Q1404	2SD0601A0L	TRANSISTOR	
Q1405	2SD0601A0L	TRANSISTOR	
Q2002	2SB0709A0L	TRANSISTOR	
Q2003	2SB0709A0L	TRANSISTOR	
Q2005	2SD0601A0L	TRANSISTOR	
Q2006	2SB0709A0L	TRANSISTOR	
Q2404	2SD0601A0L	TRANSISTOR	
Q3001	2SD10300TL	TRANSISTOR	
Q3002	2SD10300TL	TRANSISTOR	
Q3004	2SB0709A0L	TRANSISTOR	
Q3351	2SB1030AWA	TRANSISTOR	
Q3361	2SB1030AWA	TRANSISTOR	
Q3371	2SB1030AWA	TRANSISTOR	
Q4002	2SB0709A0L	TRANSISTOR	
Q4003	2SD10300TL	TRANSISTOR	
Q4004	2SB0709A0L	TRANSISTOR	
Q4005	2SB0709A0L	TRANSISTOR	
Q4007	2SD0601A0L	TRANSISTOR	
Q4008	2SD0601A0L	TRANSISTOR	
Q4201	UNR221500L	TRANSISTOR	
Q4202	2SB0709A0L	TRANSISTOR	
Q4204	2SD0601A0L	TRANSISTOR	
Q4205	2SB0709A0L	TRANSISTOR	
Q4206	2SD0601A0L	TRANSISTOR	
Q4207	2SD10300TL	TRANSISTOR	
Q4208	2SB0709A0L	TRANSISTOR	
Q4402	B1ADCF000003	TRANSISTOR	
Q4403	2SD0601A0L	TRANSISTOR	
Q4404	2SB0709A0L	TRANSISTOR	
Q4405	2SD0601A0L	TRANSISTOR	
Q4406	2SD0601A0L	TRANSISTOR	
Q4407	2SB0709A0L	TRANSISTOR	
Q4410	2SD0601A0L	TRANSISTOR	
Q4411	2SD0601A0L	TRANSISTOR	
Q4415	2SB0709A0L	TRANSISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
Q4416	XN0560100L	TRANSISTOR	
Q4417	XN0560100L	TRANSISTOR	
Q4418	XN0560100L	TRANSISTOR	
Q7001	2SD0601A0L	TRANSISTOR	
Q7102	2SD0601A0L	TRANSISTOR	
Q7103	2SB0709A0L	TRANSISTOR	
Q7701	XN0560100L	TRANSISTOR	
Q7702	XN0560100L	TRANSISTOR	
Q7703	XN0560100L	TRANSISTOR	
Q7704	2SB0709A0L	TRANSISTOR	
Q7705	2SB0709A0L	TRANSISTOR	
Q7706	2SB0709A0L	TRANSISTOR	
Q7707	2SB0709A0L	TRANSISTOR	
Q7708	2SB0709A0L	TRANSISTOR	
Q7709	2SB0709A0L	TRANSISTOR	
Q7710	2SC37570LL	TRANSISTOR	
Q7712	2SB0709A0L	TRANSISTOR	
Q7713	2SB0709A0L	TRANSISTOR	
Q7714	2SB0709A0L	TRANSISTOR	
Q7715	XN0150100L	TRANSISTOR	
Q7717	2SD10300TL	TRANSISTOR	
Q7770	2SC3526H	TRANSISTOR	
Q7780	2SC3526H	TRANSISTOR	
Q7790	2SC3526H	TRANSISTOR	
Q7791	2SC3311A0A	TRANSISTOR	
Q7792	2SA1309A0A	TRANSISTOR	
Q9601	2SC3311A0A	TRANSISTOR	
Q9602	2SA1309A0A	TRANSISTOR	
Q9603	B1BAAV000003	TRANSISTOR	
L003	EXCELD35V	COIL	
L005	EXCELD35V	COIL	
L006	J0JHC0000078	COIL	
L007	EXCELD35V	COIL	
L008	EXCELD35V	COIL	
L009	EXC3BB221H	COIL	
L061	BDC0306-904	COIL	
L069	EXCELD35V	COIL	
L070	G0A470ZA0047	COIL	
L071	G0A220GA0002	COIL	
L072	EXCELD35V	COIL	
L073	G0A470ZA0047	COIL	
L078	G0A101ZA0047	COIL	
L079	EXCELD35V	COIL	
L080	G0A220GA0002	COIL	
L081	EXCELD35V	COIL	
L090	G0C101K00023	COIL	
L351	G0C101KA0030	COIL	
L351	G0C101KA0030	COIL	
L352	G0C100JA0021	COIL	
L353	G0C1R0JA0021	COIL	
L354	G0C6R8JA0021	COIL	
L371	G0C101KA0030	COIL	
L371	G0C101KA0030	COIL	
L372	G0C100JA0021	COIL	
L373	G0A4R7D00001	COIL	
L374	G0C6R8JA0021	COIL	
L391	G0C101KA0030	COIL	
L391	G0C101KA0030	COIL	
L392	G0C150JA0021	COIL	
L393	G0C1R0JA0021	COIL	
L394	G0C100JA0021	COIL	
L504	BDC0306M-904	COIL	
L505	BDC0206-903	COIL	
L506	BDC0206-903	COIL	
L507	EXCELD35V	COIL	
L508	EXCELD35V	COIL	
L509	EXCELD35V	COIL	
L510	J0JKB0000037	COIL	
L513	EXCELSA26T	COIL	
L555	ELH5L718	COIL	
L702	BDC0306-904	COIL	
L704	ELC18B680E	COIL	

Ref. No.	Part No.	Part Name & Description	Remarks
L705	G0C101K00023	COIL	
L706	G0A222DA0017	COIL	
L707	ELC18B820E	COIL	
L802	BDC0309T-998	COIL	
L803	BDC0309T-998	COIL	
L805	BDC0309T-998	COIL	
L806	BDC0309T-998	COIL	
L807	BDC0306M-904	COIL	
L808	BDC0306M-904	COIL	
L809	BDC0306-904	COIL	
L810	BDC0306-904	COIL	
L811	BDC0306-904	COIL	
L812	BDC0306-904	COIL	
L813	BDC0306-904	COIL	
L814	BDC0306-904	COIL	
L816	BDC0306-904	COIL	
L818	MT-20249	COIL	
L819	EXCELD35V	COIL	
L822	G0A101GA0017	COIL	
L824	BDC0206-903	COIL	
L825	G0A330GA0011	COIL	
L826	G0A330GA0011	COIL	
L827	BDC0306-904	COIL	
L829	G0A221GA0013	COIL	
L904	LF5.0ST560K	COIL	
L951	BDC0306-904	COIL	
L953	BDC0306-904	COIL	
L954	BDC0306-904	COIL	
L956	BDC0306-904	COIL	
L1052	BDC0306-904	COIL	
L1101	G1C3R3K00007	COIL	
L1102	G1C4R7K00013	COIL	
L1103	J0JHC0000078	COIL	
L1104	J0JHC0000078	COIL	
L1105	J0JHC0000078	COIL	
L1106	J0JHC0000078	COIL	
L1107	J0JHC0000078	COIL	
L1108	J0JHC0000078	COIL	
L1110	J0JHC0000078	COIL	
L1404	BDC0306-904	COIL	
L1406	BDC0306-904	COIL	
L1419	EXCELD35V	COIL	
L2000	EXCELD35V	COIL	
L2003	TSKA157	COIL	
L2005	EXCELD35V	COIL	
L2010	J0JCC0000241	COIL	
L2012	G0C6R8K00002	COIL	
L2014	G0A4R7D00001	COIL	
L2015	G0A4R7D00001	COIL	
L2401	BDC0306-904	COIL	
L2402	EXCELD35V	COIL	
L2403	EXCELD35V	COIL	
L2404	EXCELD35V	COIL	
L2405	EXCELD35V	COIL	
L3001	J0JHC0000078	COIL	
L3103	EXC3BB221H	COIL	
L3104	EXC3BB221H	COIL	
L3105	EXC3BB221H	COIL	
L3106	EXC3BB221H	COIL	
L3107	EXC3BB221H	COIL	
L3108	EXC3BB221H	COIL	
L3109	EXC3BB221H	COIL	
L3110	EXC3BB221H	COIL	
L3206	G0BYYYY00016	COIL	
L4004	J0JCC0000241	COIL	
L4005	J0JCC0000241	COIL	
L4008	G1C100KA0009	COIL	
L4009	G1C100KA0009	COIL	
L4010	EXC3BB221H	COIL	
L4011	EXC3BB221H	COIL	
L4012	EXC3BB221H	COIL	
L4013	EXC3BB221H	COIL	
L4015	EXC3BB221H	COIL	

Ref. No.	Part No.	Part Name & Description	Remarks
L4016	EXC3BB221H	COIL	
L4205	J0JCC0000241	COIL	
L4207	J0JCC0000241	COIL	
L4210	G1C100KA0009	COIL	
L4402	J0JHC0000078	COIL	
L4403	EXC3BB221H	COIL	
L4405	J0JCC0000241	COIL	
L4407	J0JCC0000241	COIL	
L4408	J0JCC0000241	COIL	
L4411	J0JCC0000241	COIL	
L4412	J0JCC0000241	COIL	
L4416	J0JHC0000078	COIL	
L4419	J0JHC0000078	COIL	
L4421	J0JCC0000241	COIL	
L4423	G1C100KA0009	COIL	
L7001	BDC0309T-998	COIL	
L7002	BDC0309T-998	COIL	
L7003	BDC0309T-998	COIL	
L7004	BDC0309T-998	COIL	
L7005	BDC0309T-998	COIL	
L7006	BDC0309T-998	COIL	
L7101	J0JCC0000241	COIL	
L7102	J0JCC0000241	COIL	
L7103	J0JCC0000241	COIL	
L7106	ELJPA100KFB	COIL	
L7107	J0JHC0000035	COIL	
L7300	EXCELD35V	COIL	
L7701	J0JHC0000078	COIL	
L7707	J0JHC0000078	COIL	
FL4402	J0HABB000009	COIL	
FL4403	J0HABB000009	COIL	
FL4404	J0HABB000009	COIL	
FL4405	J0HABB000009	COIL	
FL4408	J0HABB000009	COIL	
FL4409	J0HABB000009	COIL	
FL4410	J0HABB000009	COIL	
FL4411	J0HABB000009	COIL	
FL4412	ELKE103FA	COIL	
FL4413	ELKE103FA	COIL	
FL4414	ELKE103FA	COIL	
FL4416	J0HABB000009	COIL	
FL4417	ELKE103FA	COIL	
FL4418	ELKE103FA	COIL	
FL4422	J0HABB000009	COIL	
FL4423	J0HABB000009	COIL	
FL4425	J0HABB000009	COIL	
FL4426	J0HABB000009	COIL	
FL4429	J0HABB000009	COIL	
FL4430	J0HABB000009	COIL	
FL4432	J0HABB000012	COIL	
T503	ETH19Y187AY	TRANSFORMER	
T551	BSC29-0151A	FBT	⚠
T801	G4D4A0000108	TRANSFORMER	⚠
T802	ETS25AD1N6AG	TRANSFORMER	⚠
R001	RD50SST471J	C 470 OHM J 1/2W	
R002	RD50SST471J	C 470 OHM J 1/2W	
R003	EROS2THF2000	M 200 OHM F 1/4W	
R015	ERJ6GEYJ472V	M 4.7K OHM J 1/10W	
R016	ERJ6GEYJ683V	M 68K OHM J 1/10W	
R017	ERJ3GEYJ683V	M 68K OHM J 1/16W	
R104	ERJ6ENF3091V	M 3.09K OHM 1/10W	
R105	ERJ6ENF1021V	M 1.02KOHM 1/10W	
R107	ERJ6ENF1001V	M 1K OHM 1/10W	
R108	ERJ6ENF1021V	M 1.02KOHM 1/10W	
R111	ERJ6ENF1021V	M 1.02KOHM 1/10W	
R112	ERJ6ENF8661V	M 8.66K OHM 1/10W	
R120	ERJ6GEYJ472V	M 4.7K OHM J 1/10W	
R121	ERJ6ENF1021V	M 1.02KOHM 1/10W	
R122	ERJ6ENF1621V	M 1.62K OHM F 1/10W	
R355	RD16ST470J	C 47 OHM J 1/4W	
R357	ERG7ZJ272	M 2.7K OHM J 7W	

Ref. No.	Part No.	Part Name & Description	Remarks
R358	RD16ST473J	C 47K OHM J 1/4W	
R359	RD16ST563J	C 56K OHM J 1/4W	
R362	ERC12GK331V	S 330 OHM K 16V	
R365	RD16ST821J	C 820 OHM J 1/4W	
R366	ERG12SJW101E	M 100 OHM J 1/4W	
R367	ERG12SJW101E	M 100 OHM J 1/4W	
R368	RDF50SSV330J	C 33 OHM J 1/2W	
R369	RDF50SSV330J	C 33 OHM J 1/2W	
R372	ERC12GK331V	S 330 OHM K 16V	
R373	ERG7ZJ272	M 2.7K OHM J 7W	
R375	RD16ST470J	C 47 OHM J 1/4W	
R377	RD16ST104J	C 100K OHM J 1/4W	
R378	RD16ST473J	C 47K OHM J 1/4W	
R379	RD16ST563J	C 56K OHM J 1/4W	
R382	ERC12GK331V	S 330 OHM K 16V	
R383	ERG7ZJ272	M 2.7K OHM J 7W	
R385	RD16ST821J	C 820 OHM J 1/4W	
R386	ERG12SJW101E	M 100 OHM J 1/4W	
R387	ERG12SJW101E	M 100 OHM J 1/4W	
R388	RDF50SSV330J	C 33 OHM J 1/2W	
R389	RDF50SSV330J	C 33 OHM J 1/2W	
R390	RD16ST821J	C 820 OHM J 1/4W	
R391	ERG12SJW101E	M 100 OHM J 1/4W	
R392	ERG12SJW101E	M 100 OHM J 1/4W	
R393	RDF50SSV330J	C 33 OHM J 1/2W	
R394	RDF50SSV330J	C 33 OHM J 1/2W	
R395	RD16ST470J	C 47 OHM J 1/4W	
R398	RD16ST473J	C 47K OHM J 1/4W	
R399	RD16ST563J	C 56K OHM J 1/4W	
R400	RD50SST3R3J	C 3.3 OHM J 1/2W	
R401	ERG3FJ221H	M 220 OHM J 3W	
R402	RD50SST3R3J	C 3.3 OHM J 1/2W	
R404	ERDS1FJ1R0P	C 1 OHM J 1/2W	
R405	ERJ6ENF3902V	M 39K OHM 1/10W	
R407	ERJ6GEYJ103V	M 10K OHM J 1/10W	
R409	ERJ6ENF1002V	M 10K OHM 1/10W	
R410	ERJ6ENF1202V	M 12 K OHM 1/10W	
R412	ERJ3EKF3902V	M 39K OHM F 1/16W	
R413	ERJ6GEYJ101V	M 100 OHM J 1/10W	
R414	ERJ3EKF3011V	M 3.01K OHM F 1/16W	
R415	ERJ3EKF3481V	M 3.48K OHM F 1/16W	
R417	ERJ3GEYJ102V	M 1K OHM J 1/16W	
R418	ERJ3EKF3921V	M 3.92 OHM F 1/16W	
R419	ERJ3GEYJ471V	M 470 OHM J 1/16W	
R420	ERJ3EKF2491V	M 2.49K OHM F 1/16W	
R422	ERJ3GEYJ224V	M 220K OHM J 1/16W	
R424	ERJ3GEYJ272V	M 2.7K OHM J 1/16W	
R426	ERJ3GEYJ222V	M 2.2K OHM J 1/16W	
R427	RD16ST332J	C 3.3K OHM J 1/4W	
R428	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R429	ERJ3GEYJ222V	M 2.2K OHM J 1/16W	
R430	ERJ3GEYJ102V	M 1K OHM J 1/16W	
R431	ERJ3GEYF223V	M 22K OHM F 1/16W	
R432	ERJ3GEYJ221V	M 220 OHM J 1/16W	
R433	ERJ3GEYJ823V	M 82K OHM J 1/16W	
R436	ERJ3GEYJ102V	M 1K OHM J 1/16W	
R440	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R441	ERJ3GEYJ221V	M 220 OHM J 1/16W	
R472	RD16ST331J	C 330 OHM J 1/4W	
R473	RSS26T820J	M 82 OHM J 2W	
R474	RD16ST331J	C 330 OHM J 1/4W	
R501	EROS2THF2203	M 220KOHM F 1/4W	
R502	EROS2THF4322	M 43.2KOHM F 1/4W	
R503	RSS3GT101J	M 100 OHM J 3W	
R504	EROS2THF6041	M 6.04K OHM F 1/4W	
R505	RD16ST104J	C 100K OHM J 1/4W	
R506	EROS2THF2702	M 27K OHM F 1/4W	
R507	EROS2THF5621	M 5.62K OHM F 1/4W	
R508	ERG1SJW102E	M 1K OHM J 1W	
R509	ER050PHF4532	M 45.3K OHM 1/2W	
R510	RD16ST275J	C 2.7M OHM J 1/4W	
R511	RD16ST272J	C 2.7K OHM J 1/4W	
R512	EROS2THF2552	M 25.5K OHM F 1/4W	

Ref. No.	Part No.	Part Name & Description	Remarks
R513	RD16ST203J	C 20K OHM J 1/4W	
R514	RD16ST203J	C 20K OHM J 1/4W	
R515	RD16ST680J	C 68 OHM J 1/4W	
R516	RD16ST103J	C 10K OHM J 1/4W	
R519	RD16ST103J	C 10K OHM J 1/4W	
R520	RD16ST101J	C 100 OHM J 1/4W	
R521	RD16ST562J	C 5.6K OHM J 1/4W	
R524	RD16ST101J	C 100 OHM J 1/4W	
R526	RD16ST222J	C 2.2K OHM J 1/4W	
R528	RD16ST471J	C 470 OHM J 1/4W	
R529	EROS2THF8251	M 82.5K OHM F 1/4W	
R530	ERX2FZJR18H	M 0.18 OHM J 2W	
R531	ERDS1FJ1R5P	C 1.5 OHM J 1/2W	
R532	RD16ST103J	C 10K OHM J 1/4W	
R533	ERQ12HJ330P	F 33 OHM J 1/2W	
R534	RSS1L150J	M 15 OHM J 1W	
R536	ERQ12HJR33P	M 0.33 OHM K 1/2W	
R701	RF5AK4R7H	W 4.7 OHM K 5W	
R702	RD16ST332J	C 3.3K OHM J 1/4W	
R703	RDF50SST680J	C 68 OHM J 1/2W	
R704	RD16ST103J	C 10K OHM J 1/4W	
R705	RD16ST101J	C 100 OHM J 1/4W	
R706	RD16ST152J	C 1.5K OHM J 1/4W	
R808	RD16ST562J	C 5.6K OHM J 1/4W	
R821	ERX1SJR39E	M 0.39 OHM J 1W	
R823	ERX2SJR27E	M 0.27 OHM J 2W	
R826	RD16ST102J	C 1K OHM J 1/4W	
R827	ERD75TAJ825	C 8.2M OHM J 1/4W	⚠
R828	RD16ST681J	C 680 OHM J 1/4W	
R829	RD16ST152J	C 1.5K OHM J 1/4W	
R830	RD16ST152J	C 1.5K OHM J 1/4W	
R832	RD16ST103J	C 10K OHM J 1/4W	
R833	RD16ST102J	C 1K OHM J 1/4W	
R836	RSS2GT393J	M 39K OHM J 2W	
R837	RSS2GT393J	M 39K OHM J 2W	
R838	RSS3GT153J	M 15K OHM J 3W	
R839	RD16ST332J	C 3.3K OHM J 1/4W	
R840	RSS3GT104J	M 100K OHM J 3W	
R841	RD50SST182J	C 1.8K OHM J 1/2W	
R842	ERX12SZJR18P	M 0.180HM J 1/2W	
R843	RD16ST562J	C 5.6K OHM J 1/4W	
R844	ERDS1FYJ102P	C 1K OHM J 1/2W	
R845	ERX12SZJR18P	M 0.180HM J 1/2W	
R846	RD16ST183J	C 18K OHM J 1/4W	
R847	RD16ST223J	C 22K OHM J 1/4W	
R848	RD50SST153J	C 15K OHM J 1/2W	
R849	RD16ST154J	C 150K OHM J 1/4W	
R850	RD16ST101J	C 100 OHM J 1/4W	
R851	RF10ZK2R7	W 2.70HM K 10W	
R852	ERX1SJW1R0E	M 1 OHM J 1W	
R853	ERX1SJW1R0E	M 1 OHM J 1W	
R855	ERX2SJR27E	M 0.27 OHM J 2W	
R856	RD16ST103J	C 10K OHM J 1/4W	
R857	RD16ST822J	C 8.2K OHM J 1/4W	
R859	RD16ST473J	C 47K OHM J 1/4W	
R860	RF2AJ820P	F 820 OHM J 2W	
R862	RD16ST431J	C 430OHM J 1/4W	
R864	RD16ST222J	C 2.2K OHM J 1/4W	
R865	RD16ST103J	C 10K OHM J 1/4W	
R866	EROS2THF1052	M 10.5K OHM F 1/4W	
R867	EROS2THF1002	M 10KOHM F 1/4W	
R870	ERC12ZGK105V	S 1M OHM K 1/2W	⚠
R880	K5G1033A0004	SAFETY RESISTOR	
R883	K5G1033A0004	SAFETY RESISTOR	
R890	RD16ST681J	C 680 OHM J 1/4W	
R901	RDF50SSV821J	C 820 OHM J 1/2W	
R902	RD16ST683J	C 68K OHM J 1/4W	
R903	RD16ST153J	C 15K OHM J 1/4W	
R904	RD16ST472J	C 4.7K OHM J 1/4W	
R905	RD16ST472J	C 4.7K OHM J 1/4W	
R906	RD16ST101J	C 100 OHM J 1/4W	
R907	RD16ST151J	C 150 OHM J 1/4W	
R908	RD16ST272J	C 2.7K OHM J 1/4W	

Ref. No.	Part No.	Part Name & Description	Remarks
R914	RD16ST562J	C 5.6K OHM J 1/4W	
R915	RD16ST182J	C 1.8K OHM J 1/4W	
R916	RD16ST391J	C 390 OHM J 1/4W	
R917	RD16ST470J	C 47 OHM J 1/4W	
R920	RD16ST181J	C 180 OHM J 1/4W	
R922	RD16ST103J	C 10K OHM J 1/4W	
R923	RD16ST103J	C 10K OHM J 1/4W	
R951	RD16ST271J	C 270 OHM J 1/4W	
R952	RDF50SSV152J	C 1.5K OHM J 1/2W	
R953	RD16ST271J	C 270 OHM J 1/4W	
R954	RDF50SST152J	C 1.5K OHM J 1/2W	
R955	RD16ST271J	C 270 OHM J 1/4W	
R956	RDF50SST152J	C 1.5K OHM J 1/2W	
R960	ERQ14AJW100E	F 10 OHM J 1/4W	
R964	ERDS2FJ122T	C 1.2K OHM J 1/4W	
R965	RD16ST683J	C 68K OHM J 1/4W	
R966	ERG1SJW271E	M 270 OHM J 1W	
R967	RD16ST683J	C 68K OHM J 1/4W	
R968	RD16ST122J	C 1.2K OHM J 1/4W	
R969	RDF50SST390J	C 39 OHM J 1/2W	
R970	RD16ST8R2J	C 8.2 OHM J 1/4W	
R971	RD16ST8R2J	C 8.2 OHM J 1/4W	
R972	RDF50SST390J	C 39 OHM J 1/2W	
R973	RDF50SST470J	C 47 OHM J 1/2W	
R975	ERG1SJW271E	M 270 OHM J 1W	
R976	ERG1SJW271E	M 270 OHM J 1W	
R977	ERG1SJW271E	M 270 OHM J 1W	
R978	RD16ST104J	C 100K OHM J 1/4W	
R1043	RD16ST682J	C 6.8K OHM J 1/4W	
R1044	RD16ST123J	C 12K OHM J 1/4W	
R1045	RD16ST223J	C 22K OHM J 1/4W	
R1046	RD16ST683J	C 68K OHM J 1/4W	
R1060	RD16ST181J	C 180 OHM J 1/4W	
R1081	RD16ST332J	C 3.3K OHM J 1/4W	
R1082	RD16ST103J	C 10K OHM J 1/4W	
R1083	RD16ST101J	C 100 OHM J 1/4W	
R1084	RD16ST101J	C 100 OHM J 1/4W	
R1085	RD16ST221J	C 220 OHM J 1/4W	
R1086	RD16ST273J	C 27K OHM J 1/4W	
R1103	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R1104	ERJ3GEYJ473V	M 47K OHM J 1/16W	
R1105	ERJ3GEYJ223V	M 22K OHM J 1/16W	
R1109	ERJ3GEYJ223V	M 22K OHM J 1/16W	
R1110	ERJ3GEYJ102V	M 1K OHM J 1/16W	
R1111	ERJ3GEYJ101V	M 100 OHM J 1/16W	
R1112	ERJ3GEYJ391V	M 390 OHM J 1/16W	
R1113	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R1114	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R1115	ERJ3GEYJ471V	M 470 OHM J 1/16W	
R1116	ERJ3GEYJ473V	M 47K OHM J 1/16W	
R1118	ERJ3GEYJ472V	M 4.7K OHM J 1/16W	
R1120	EXB38V680JV	M 68 OHM J 1/16W	
R1121	D1HG6808A002	68 OHM	
R1122	ERJ3GEYJ471V	M 470 OHM J 1/16W	
R1123	ERJ3GEYJ101V	M 100 OHM J 1/16W	
R1126	ERJ3GEYJ101V	M 100 OHM J 1/16W	
R1127	ERJ3GEYJ101V	M 100 OHM J 1/16W	
R1130	ERJ3GEYJ222V	M 2.2K OHM J 1/16W	
R1131	ERJ3GEYJ153V	M 15K OHM J 1/16W	
R1132	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R1133	D1HG6808A002	68 OHM	
R1134	ERJ3GEYJ273V	M 27K OHM J 1/16W	
R1138	ERJ3GEYJ220V	M 22 OHM J 1/16W	
R1139	D1HG6808A002	68 OHM	
R1140	ERJ3GEYJ560V	M 56 OHM J 1/16W	
R1143	ERJ3GEYJ101V	M 100 OHM J 1/16W	
R1144	D1HG6808A002	68 OHM	
R1145	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R1147	ERJ3GEYJ101V	M 100 OHM J 1/16W	
R1148	ERJ3GEYJ560V	M 56 OHM J 1/16W	
R1149	ERJ3GEYJ101V	M 100 OHM J 1/16W	
R1150	ERJ3GEYJ560V	M 56 OHM J 1/16W	
R1151	ERJ3GEYJ560V	M 56 OHM J 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R1152	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R1153	ERJ3GEYJ101V	M 100 OHM J 1/16W	
R1155	ERJ3GEYJ101V	M 100 OHM J 1/16W	
R1156	ERJ3GEYJ101V	M 100 OHM J 1/16W	
R1157	ERJ3GEYJ101V	M 100 OHM J 1/16W	
R1159	ERJ3GEYJ101V	M 100 OHM J 1/16W	
R1163	ERJ3GEYJ101V	M 100 OHM J 1/16W	
R1164	ERJ3GEYJ102V	M 1K OHM J 1/16W	
R1166	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R1171	ERJ3GEYJ101V	M 100 OHM J 1/16W	
R1172	ERJ3GEYJ101V	M 100 OHM J 1/16W	
R1173	ERJ3GEYJ223V	M 22K OHM J 1/16W	
R1174	ERJ3GEYJ101V	M 100 OHM J 1/16W	
R1175	ERJ3GEYJ153V	M 15K OHM J 1/16W	
R1176	ERJ3GEYJ101V	M 100 OHM J 1/16W	
R1177	ERJ3GEYJ101V	M 100 OHM J 1/16W	
R1178	ERJ3GEYJ102V	M 1K OHM J 1/16W	
R1179	ERJ3GEYJ272V	M 2.7K OHM J 1/16W	
R1180	D1HG6808A002	68 OHM	
R1181	ERJ3GEYJ272V	M 2.7K OHM J 1/16W	
R1184	ERJ3GEYJ272V	M 2.7K OHM J 1/16W	
R1185	ERJ3GEYJ272V	M 2.7K OHM J 1/16W	
R1187	ERJ3GEYJ562V	M 5.6K OHM J 1/16W	
R1188	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R1189	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R1190	ERJ3GEYJ102V	M 1K OHM J 1/16W	
R1194	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R1195	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R1197	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R1198	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R1200	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R1201	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R1202	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R1203	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R1204	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R1205	ERJ3GEYJ562V	M 5.6K OHM J 1/16W	
R1206	ERJ3GEYJ562V	M 5.6K OHM J 1/16W	
R1208	ERJ3GEYJ101V	M 100 OHM J 1/16W	
R1209	ERJ3GEYJ101V	M 100 OHM J 1/16W	
R1210	ERJ3GEYJ101V	M 100 OHM J 1/16W	
R1211	ERJ3GEYJ563V	M 56K OHM J 1/16W	
R1214	ERJ3GEYJ472V	M 4.7K OHM J 1/16W	
R1221	ERJ3GEYJ220V	M 22 OHM J 1/16W	
R1222	ERJ3GEYJ220V	M 22 OHM J 1/16W	
R1223	ERJ3GEYJ220V	M 22 OHM J 1/16W	
R1224	ERJ3GEYJ220V	M 22 OHM J 1/16W	
R1416	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R1417	ERJ3GEYJ123V	M 12K OHM J 1/16W	
R1421	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R1422	ERJ3GEYJ104V	M 100K OHM J 1/16W	
R1423	ERJ3GEYJ101V	M 100 OHM J 1/16W	
R1425	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R1426	ERJ3GEYJ102V	M 1K OHM J 1/16W	
R1427	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R1428	RD16ST101J	C 100 OHM J 1/4W	
R1429	ERJ3GEYJ473V	M 47K OHM J 1/16W	
R1430	RD16ST101J	C 100 OHM J 1/4W	
R1431	RD16ST103J	C 10K OHM J 1/4W	
R1432	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R1449	ERJ3GEYJ331V	M 330 OHM J 1/16W	
R2000	ERJ3GEYJ101V	M 100 OHM J 1/16W	
R2001	ERJ3GEYJ101V	M 100 OHM J 1/16W	
R2005	ERJ3GEYJ472V	M 4.7K OHM J 1/16W	
R2006	ERJ3GEYJ472V	M 4.7K OHM J 1/16W	
R2009	ERJ6GEYJ561V	M 560 OHM J 1/10W	
R2010	ERJ3GEYJ561V	M 560 OHM J 1/16W	
R2013	ERJ6GEYJ221V	M 220 OHM J 1/10W	
R2014	ERJ6GEYJ221V	M 220 OHM J 1/10W	
R2017	ERJ6GEYJ103V	M 10K OHM J 1/10W	
R2020	ERJ6GEYJ221V	M 220 OHM J 1/10W	
R2021	ERJ6GEYJ221V	M 220 OHM J 1/10W	
R2022	ERJ3GEYJ683V	M 68K OHM J 1/16W	
R2025	ERJ3GEYJ471V	M 470 OHM J 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R2026	ERJ3GEYJ221V	M 220 OHM J 1/16W	
R2027	ERJ6GEYJ103V	M 10K OHM J 1/10W	
R2029	ERJ6GEYJ471V	M 470 OHM J 1/10W	
R2030	ERJ6GEYJ101V	M 100 OHM J 1/10W	
R2031	ERJ6GEYJ471V	M 470 OHM J 1/10W	
R2032	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R2033	ERJ6GEYJ103V	M 10K OHM J 1/10W	
R2034	ERJ3GEYJ221V	M 220 OHM J 1/16W	
R2038	ERJ3GEYJ104V	M 100K OHM J 1/16W	
R2448	ERJ6GEYJ154V	M 150K OHM J 1/10W	
R2449	ERJ6GEYJ183V	M 18K OHM J 1/10W	
R2450	ERJ6GEYJ104V	M 100K OHM J 1/10W	
R2451	RD16ST101J	C 100 OHM J 1/4W	
R2454	ERJ6GEYJ562V	M 5.6K OHM J 1/10W	
R2455	ERJ6GEYJ562V	M 5.6K OHM J 1/10W	
R2456	ERJ6GEYJ103V	M 10K OHM J 1/10W	
R2458	ERJ6GEYJ223V	M 22K OHM J 1/10W	
R2459	RDF25VT2R2J	C 2.2 OHM J 1/4W	
R2460	ERJ6GEYJ562V	M 5.6K OHM J 1/10W	
R2461	ERJ6GEYJ223V	M 22K OHM J 1/10W	
R2462	ERJ6GEYJ562V	M 5.6K OHM J 1/10W	
R2463	RDF25VT2R2J	C 2.2 OHM J 1/4W	
R2466	ERJ6GEYJ103V	M 10K OHM J 1/10W	
R3001	ERJ3GEYJ124V	M 120KOHM J 1/16W	
R3002	ERJ3GEYJ124V	M 120KOHM J 1/16W	
R3003	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R3004	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R3005	ERJ3GEYJ220V	M 22 OHM J 1/16W	
R3006	ERJ3GEYJ220V	M 22 OHM J 1/16W	
R3007	ERJ3EKF75R0V	M 75 OHM F 1/16W	
R3008	ERJ3EKF75R0V	M 75 OHM F 1/16W	
R3009	ERJ3GEYJ221V	M 220 OHM J 1/16W	
R3010	ERJ3GEYJ221V	M 220 OHM J 1/16W	
R3011	ERJ3GEYJ221V	M 220 OHM J 1/16W	
R3012	ERJ3GEYJ221V	M 220 OHM J 1/16W	
R3013	ERJ3GEYJ221V	M 220 OHM J 1/16W	
R3014	ERJ3GEYJ221V	M 220 OHM J 1/16W	
R3015	ERJ3GEYJ221V	M 220 OHM J 1/16W	
R3016	ERJ3GEYJ221V	M 220 OHM J 1/16W	
R3017	ERJ3GEYJ221V	M 220 OHM J 1/16W	
R3018	ERJ3GEYJ221V	M 220 OHM J 1/16W	
R3019	ERJ3GEYJ221V	M 220 OHM J 1/16W	
R3020	ERJ3GEYJ221V	M 220 OHM J 1/16W	
R3021	ERJ3GEYJ221V	M 220 OHM J 1/16W	
R3022	ERJ3GEYJ221V	M 220 OHM J 1/16W	
R3023	ERJ3GEYJ221V	M 220 OHM J 1/16W	
R3024	ERJ3GEYJ221V	M 220 OHM J 1/16W	
R3027	ERJ3GEYJ102V	M 1K OHM J 1/16W	
R3028	ERJ3GEYJ821V	M 820 OHM J 1/16W	
R3029	ERJ3GEYJ102V	M 1K OHM J 1/16W	
R3030	ERJ3GEYJ102V	M 1K OHM J 1/16W	
R3031	ERJ3GEYJ821V	M 820 OHM J 1/16W	
R3032	ERJ3GEYJ102V	M 1K OHM J 1/16W	
R3034	ERJ3GEYJ104V	M 100K OHM J 1/16W	
R3035	ERJ3GEYJ104V	M 100K OHM J 1/16W	
R3036	ERJ3GEYJ750V	M 75 OHM J 1/16W	
R3038	ERJ3GEYJ223V	M 22K OHM J 1/16W	
R3040	ERJ3GEYJ220V	M 22 OHM J 1/16W	
R3041	ERJ3GEYJ220V	M 22 OHM J 1/16W	
R3042	ERJ3GEYJ221V	M 220 OHM J 1/16W	
R3043	ERJ3GEYJ221V	M 220 OHM J 1/16W	
R3044	ERJ3GEYJ393V	M 39K OHM J 1/16W	
R3045	ERJ3GEYJ393V	M 39K OHM J 1/16W	
R3048	ERJ3GEYJ102V	M 1K OHM J 1/16W	
R3049	ERJ3GEYJ102V	M 1K OHM J 1/16W	
R3050	ERJ3GEYJ102V	M 1K OHM J 1/16W	
R3052	ERJ3GEYJ102V	M 1K OHM J 1/16W	
R3053	ERJ3GEYJ102V	M 1K OHM J 1/16W	
R3054	ERJ3GEYJ102V	M 1K OHM J 1/16W	
R3055	ERJ3GEYJ102V	M 1K OHM J 1/16W	
R3056	ERJ3GEYJ102V	M 1K OHM J 1/16W	
R3057	ERJ3GEYJ102V	M 1K OHM J 1/16W	
R3058	ERJ3GEYJ102V	M 1K OHM J 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R3071	ERJ3GEYJ221V	M 220 OHM J 1/16W	
R3072	ERJ3GEYJ221V	M 220 OHM J 1/16W	
R3073	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R3074	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R3108	ERJ3GEYJ393V	M 39K OHM J 1/16W	
R3109	ERJ3GEYJ393V	M 39K OHM J 1/16W	
R3114	ERJ3GEYJ393V	M 39K OHM J 1/16W	
R3115	ERJ3GEYJ393V	M 39K OHM J 1/16W	
R3119	ERJ3GEYJ393V	M 39K OHM J 1/16W	
R3120	ERJ3GEYJ393V	M 39K OHM J 1/16W	
R3121	ERJ3GEYJ184V	M 180K OHM J 1/16W	
R3122	RK73H2BTD75R 0F	M 75 OHM J 1/10W	
R3123	RK73H2BTD75R 0F	M 75 OHM J 1/10W	
R3124	RK73H2BTD75R 0F	M 75 OHM J 1/10W	
R3125	RK73H2BTD75R 0F	M 75 OHM J 1/10W	
R3126	RK73H2BTD75R 0F	M 75 OHM J 1/10W	
R3127	RK73H2BTD75R 0F	M 75 OHM J 1/10W	
R3128	RK73H2BTD75R 0F	M 75 OHM J 1/10W	
R3129	RK73H2BTD75R 0F	M 75 OHM J 1/10W	
R3130	RK73H2BTD75R 0F	M 75 OHM J 1/10W	
R3131	RK73H2BTD75R 0F	M 75 OHM J 1/10W	
R3132	RK73H2BTD75R 0F	M 75 OHM J 1/10W	
R3211	RD16ST103J	C 10K OHM J 1/4W	
R3355	RD16ST392J	C 3.9K OHM J 1/4W	
R3356	RD16ST822J	C 8.2K OHM J 1/4W	
R3357	RD16ST392J	C 3.9K OHM J 1/4W	
R3365	RD16ST392J	C 3.9K OHM J 1/4W	
R3366	RD16ST822J	C 8.2K OHM J 1/4W	
R3367	RD16ST392J	C 3.9K OHM J 1/4W	
R3375	RD16ST392J	C 3.9K OHM J 1/4W	
R3376	RD16ST822J	C 8.2K OHM J 1/4W	
R3377	RD16ST392J	C 3.9K OHM J 1/4W	
R4001	ERJ3GEYJ102V	M 1K OHM J 1/16W	
R4002	ERJ3GEYJ101V	M 100 OHM J 1/16W	
R4004	ERJ3EKF33R0V	M 33 OHM F 1/16W	
R4005	ERJ3GEYJ220V	M 22 OHM J 1/16W	
R4006	ERJ3EKF2701V	M 2.7K OHM F 1/16W	
R4007	ERJ3EKF1001V	M 1K OHM F 1/16W	
R4010	ERJ3EKF1001V	M 1K OHM F 1/16W	
R4011	ERJ3EKF33R0V	M 33 OHM F 1/16W	
R4020	ERJ3GEYJ220V	M 22 OHM J 1/16W	
R4024	ERJ3GEYJ390V	M 39 OHM J 1/16W	
R4028	ERJ3EKF1500V	M 150 OHM F 1/16W	
R4031	ERJ3GEYJ560V	M 56 OHM J 1/16W	
R4032	ERJ3EKF2200V	M 220 OHM F 1/16W	
R4040	ERJ3GEYJ390V	M 39 OHM J 1/16W	
R4041	ERJ3EKF33R0V	M 33 OHM F 1/16W	
R4043	ERJ3GEYJ560V	M 56 OHM J 1/16W	
R4044	ERJ3EKF33R0V	M 33 OHM F 1/16W	
R4047	ERJ3EKF1401V	M 1.4K OHM F 1/16W	
R4051	ERJ3EKF33R0V	M 33 OHM F 1/16W	
R4054	ERJ3EKF1500V	M 150 OHM F 1/16W	
R4055	ERJ3EKF2200V	M 220 OHM F 1/16W	
R4056	ERJ3GEYJ331V	M 330 OHM J 1/16W	
R4058	ERJ3EKF1500V	M 150 OHM F 1/16W	
R4060	ERJ3EKF2701V	M 2.7K OHM F 1/16W	
R4061	ERJ3EKF33R0V	M 33 OHM F 1/16W	
R4063	ERJ3GEYJ272V	M 2.7K OHM J 1/16W	
R4069	ERJ3EKF1401V	M 1.4K OHM F 1/16W	
R4072	ERJ3GEYJ821V	M 820 OHM J 1/16W	
R4073	ERJ3EKF1331V	M 1.33K OHM F 1/16W	
R4074	ERJ3GEYJ330V	M 33 OHM J 1/16W	
R4075	ERJ3GEYJ681V	M 680 OHM J 1/16W	
R4079	ERJ3GEYJ330V	M 33 OHM J 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R4080	ERJ3EKF4700V	M 470 OHM F 1/16W	
R4082	ERJ3EKF3601V	M 3.6K OHM F 1/16W	
R4084	ERJ6GEYJ471V	M 470 OHM J 1/10W	
R4087	ERJ6GEYJ331V	M 330 OHM J 1/10W	
R4089	ERJ3GEYJ821V	M 820 OHM J 1/16W	
R4092	ERJ6GEYJ471V	M 470 OHM J 1/10W	
R4094	ERJ3GEYJ330V	M 33 OHM J 1/16W	
R4095	ERJ3EKF8450V	M 845 OHM F 1/16W	
R4097	ERJ3EKF4700V	M 470 OHM F 1/16W	
R4098	ERJ3EKF3601V	M 3.6K OHM F 1/16W	
R4101	EXB38V560JV	M 560 OHM J 1/16W	
R4113	EXB38V560JV	M 560 OHM J 1/16W	
R4114	EXB38V560JV	M 560 OHM J 1/16W	
R4115	ERJ3GEYJ560V	M 56 OHM J 1/16W	
R4116	ERJ3GEYJ560V	M 56 OHM J 1/16W	
R4117	ERJ3GEYJ560V	M 56 OHM J 1/16W	
R4118	D1HG5608A002	56 OHM	
R4201	ERJ3EKF1001V	M 1K OHM F 1/16W	
R4203	ERJ3EKF33R0V	M 33 OHM F 1/16W	
R4205	ERJ3EKF33R0V	M 33 OHM F 1/16W	
R4208	ERJ3GEYJ220V	M 22 OHM J 1/16W	
R4212	ERJ3EKF1500V	M 150 OHM F 1/16W	
R4213	ERJ3EKF33R0V	M 33 OHM F 1/16W	
R4216	ERJ3GEYJ152V	M 1.5K OHM J 1/16W	
R4221	ERJ3EKF33R0V	M 33 OHM F 1/16W	
R4223	ERJ3GEYJ470V	M 47 OHM J 1/16W	
R4227	ERJ3EKF33R0V	M 33 OHM F 1/16W	
R4233	ERJ3EKF33R0V	M 33 OHM F 1/16W	
R4234	ERJ3GEYJ560V	M 56 OHM J 1/16W	
R4235	ERJ3EKF1500V	M 150 OHM F 1/16W	
R4237	ERJ3EKF2701V	M 2.7K OHM F 1/16W	
R4244	ERJ3EKF4700V	M 470 OHM F 1/16W	
R4245	ERJ3EKF1500V	M 150 OHM F 1/16W	
R4248	ERJ3EKF1401V	M 1.4K OHM F 1/16W	
R4250	ERJ3GEYJ220V	M 22 OHM J 1/16W	
R4253	ERJ3GEYJ220V	M 22 OHM J 1/16W	
R4256	ERJ3GEYJ560V	M 56 OHM J 1/16W	
R4258	ERJ6GEYJ471V	M 470 OHM J 1/10W	
R4260	ERJ3GEYJ330V	M 33 OHM J 1/16W	
R4266	ERJ3GEYJ821V	M 820 OHM J 1/16W	
R4267	ERJ3EKF4700V	M 470 OHM F 1/16W	
R4268	ERJ3EKF3601V	M 3.6K OHM F 1/16W	
R4271	ERJ3EKF4700V	M 470 OHM F 1/16W	
R4274	ERJ3GEYJ821V	M 820 OHM J 1/16W	
R4276	ERJ3EKF3601V	M 3.6K OHM F 1/16W	
R4278	ERJ6GEYJ471V	M 470 OHM J 1/10W	
R4279	ERJ3GEYJ330V	M 33 OHM J 1/16W	
R4281	ERJ3GEYJ330V	M 33 OHM J 1/16W	
R4282	ERJ6GEYJ331V	M 330 OHM J 1/10W	
R4283	ERJ3GEYJ681V	M 680 OHM J 1/16W	
R4285	ERJ3EKF1331V	M 1.33K OHM F 1/16W	
R4293	ERJ3GEYJ220V	M 22 OHM J 1/16W	
R4294	ERJ3EKF8450V	M 845 OHM F 1/16W	
R4298	ERJ3EKF1500V	M 150 OHM F 1/16W	
R4299	ERJ3GEYJ101V	M 100 OHM J 1/16W	
R4300	D1HG5608A002	56 OHM	
R4301	EXB38V560JV	M 560 OHM J 1/16W	
R4302	EXB38V560JV	M 560 OHM J 1/16W	
R4404	ERJ3GEYJ220V	M 22 OHM J 1/16W	
R4405	ERJ3GEYJ220V	M 22 OHM J 1/16W	
R4414	ERJ3GEYJ560V	M 56 OHM J 1/16W	
R4415	ERJ3GEYJ272V	M 2.7K OHM J 1/16W	
R4416	ERJ3GEYJ272V	M 2.7K OHM J 1/16W	
R4418	ERJ3GEYJ102V	M 1K OHM J 1/16W	
R4419	ERJ3EKF1002V	M 10K OHM F 1/16W	
R4421	ERJ3GEYJ472V	M 4.7K OHM J 1/16W	
R4422	ERJ3GEYJ121V	M 120 OHM J 1/16W	
R4423	ERJ3GEYJ472V	M 4.7K OHM J 1/16W	
R4424	ERJ3GEYJ223V	M 22K OHM J 1/16W	
R4425	ERJ3GEYJ473V	M 47K OHM J 1/16W	
R4426	ERJ3EKF1132V	M 113K OHM F 1/16W	
R4427	ERJ3EKF1002V	M 10K OHM F 1/16W	
R4428	ERJ3GEYJ472V	M 4.7K OHM J 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R4429	ERJ3GEYJ472V	M 4.7K OHM J 1/16W	
R4430	ERJ3EKF6341V	M 6.34 OHM F 1/16W	
R4431	ERJ3GEYJ101V	M 100 OHM J 1/16W	
R4432	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R4433	ERJ3GEYJ181V	M 180 OHM J 1/16W	
R4434	ERJ3GEYJ222V	M 2.2K OHM J 1/16W	
R4435	ERJ3EKF3301V	M 3.3K OHM F 1/16W	
R4436	ERJ3EKF1200V	M 120 OHM F 1/16W	
R4438	ERJ3GEYJ331V	M 330 OHM J 1/16W	
R4439	ERJ3EKF3902V	M 39K OHM F 1/16W	
R4440	ERJ3GEYJ123V	M 12K OHM J 1/16W	
R4441	ERJ3GEYJ471V	M 470 OHM J 1/16W	
R4442	ERJ3GEYJ222V	M 2.2K OHM J 1/16W	
R4444	ERJ3GEYJ102V	M 1K OHM J 1/16W	
R4445	ERJ3GEYJ272V	M 2.7K OHM J 1/16W	
R4447	ERJ3GEYJ332V	M 3.3K OHM J 1/16W	
R4448	ERJ3GEYJ102V	M 1K OHM J 1/16W	
R4449	ERJ3GEYJ102V	M 1K OHM J 1/16W	
R4450	ERJ3GEYJ102V	M 1K OHM J 1/16W	
R4452	ERJ3GEYJ151V	M 150 OHM J 1/16W	
R4453	ERJ3EKF8202V	M 82K OHM F 1/16W	
R4455	ERJ3EKF3302V	M 33 OHM F 1/16W	
R4456	ERJ3EKF3302V	M 33 OHM F 1/16W	
R4457	ERJ3EKF8202V	M 82K OHM F 1/16W	
R4459	ERJ3EKF1002V	M 10K OHM F 1/16W	
R4461	ERJ3GEYJ183V	M 18K OHM J 1/16W	
R4462	ERJ3EKF8202V	M 82K OHM F 1/16W	
R4463	ERJ3GEYJ101V	M 100 OHM J 1/16W	
R4466	ERJ3EKF1002V	M 10K OHM F 1/16W	
R4467	ERJ3EKF1002V	M 10K OHM F 1/16W	
R4469	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R4470	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R4471	ERJ3EKF3302V	M 33 OHM F 1/16W	
R4472	ERJ3GEYJ222V	M 2.2K OHM J 1/16W	
R4474	ERJ3GEYJ102V	M 1K OHM J 1/16W	
R4479	ERJ3GEYJ680V	M 68 OHM J 1/16W	
R4482	ERJ3GEYJ223V	M 22K OHM J 1/16W	
R4483	ERJ3GEYJ222V	M 2.2K OHM J 1/16W	
R4484	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R4485	ERJ3GEYJ562V	M 5.6K OHM J 1/16W	
R4486	ERJ3GEYJ102V	M 1K OHM J 1/16W	
R4487	ERJ3GEYJ101V	M 100 OHM J 1/16W	
R4488	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R4490	ERJ3GEYJ101V	M 100 OHM J 1/16W	
R4492	ERJ3GEYJ102V	M 1K OHM J 1/16W	
R4493	ERJ3GEYJ471V	M 470 OHM J 1/16W	
R4494	ERJ3GEYJ101V	M 100 OHM J 1/16W	
R4495	D1HG6808A002	68 OHM	
R4496	D1HG6808A002	68 OHM	
R4497	D1HG5608A002	56 OHM	
R4498	ERJ3GEYJ331V	M 330 OHM J 1/16W	
R4499	D1HG5608A002	56 OHM	
R4500	ERJ3GEYJ331V	M 330 OHM J 1/16W	
R4501	D1HG5608A002	56 OHM	
R4502	ERJ3GEYJ100V	M 10 OHM J 1/16W	
R4503	ERJ3GEYJ100V	M 10 OHM J 1/16W	
R4504	ERJ3EKF2200V	M 220 OHM F 1/16W	
R4505	ERJ3GEYJ100V	M 10 OHM J 1/16W	
R4508	ERJ3EKF2201V	M 2.2K OHM F 1/16W	
R4509	ERJ3EKF5600V	M 560OHM F 1/16W	
R4510	ERJ3GEYJ222V	M 2.2K OHM J 1/16W	
R4511	ERJ3GEYJ100V	M 10 OHM J 1/16W	
R4512	ERJ3EKF2201V	M 2.2K OHM F 1/16W	
R4513	ERJ3GEYJ100V	M 10 OHM J 1/16W	
R4515	ERJ3GEYJ330V	M 33 OHM J 1/16W	
R4516	ERJ3GEYJ471V	M 470 OHM J 1/16W	
R4517	ERJ3EKF2101V	M 2.1KOHM F 1/16W	
R4519	ERJ3GEYJ100V	M 10 OHM J 1/16W	
R4521	D1HG5608A002	56 OHM	
R4528	ERJ3GEYJ102V	M 1K OHM J 1/16W	
R4531	ERJ3GEYJ471V	M 470 OHM J 1/16W	
R4533	ERJ3GEYJ220V	M 22 OHM J 1/16W	
R4534	ERJ3EKF2701V	M 2.7K OHM F 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R4535	ERJ3EKF75R0V	M 75 OHM F 1/16W	
R4536	ERJ3EKF75R0V	M 75 OHM F 1/16W	
R4537	ERJ3EKF75R0V	M 75 OHM F 1/16W	
R4538	ERJ3EKF75R0V	M 75 OHM F 1/16W	
R4539	ERJ3EKF2701V	M 2.7K OHM F 1/16W	
R4540	ERJ3EKF1101V	M 1.1K OHM F 1/16W	
R4541	ERJ3EKF2201V	M 2.2K OHM F 1/16W	
R4542	ERJ3EKF2201V	M 2.2K OHM F 1/16W	
R4543	ERJ3EKF1101V	M 1.1K OHM F 1/16W	
R4546	ERJ3GEYJ331V	M 330 OHM J 1/16W	
R4547	ERJ3GEYJ560V	M 56 OHM J 1/16W	
R4548	ERJ3GEYJ331V	M 330 OHM J 1/16W	
R4551	ERJ3GEYJ331V	M 330 OHM J 1/16W	
R4554	ERJ3GEYJ560V	M 56 OHM J 1/16W	
R4555	ERJ3GEYJ560V	M 56 OHM J 1/16W	
R4559	ERJ3EKF4701V	M 4.7K OHM F 1/16W	
R4560	ERJ3EKF4701V	M 4.7K OHM F 1/16W	
R4561	ERJ3EKF4701V	M 4.7K OHM F 1/16W	
R4562	ERJ3EKF3302V	M 33 OHM F 1/16W	
R4563	ERJ3EKF3302V	M 33 OHM F 1/16W	
R4564	ERJ3EKF3302V	M 33 OHM F 1/16W	
R4565	ERJ3GEYJ680V	M 68 OHM J 1/16W	
R4572	D1HG1518A002	150 OHM	
R4573	D1HG6808A002	68 OHM	
R4574	D1HG6808A002	68 OHM	
R4575	D1HG1518A002	150 OHM	
R4576	D1HG1518A002	150 OHM	
R4577	ERJ3GEYJ680V	M 68 OHM J 1/16W	
R4578	D1HG1518A002	150 OHM	
R4579	ERJ3GEYJ151V	M 150 OHM J 1/16W	
R4581	ERJ3EKF1101V	M 1.1K OHM F 1/16W	
R4597	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R4603	ERJ3GEYJ560V	M 56 OHM J 1/16W	
R4683	ERJ3GEYJ221V	M 220 OHM J 1/16W	
R4684	ERJ3GEYJ221V	M 220 OHM J 1/16W	
R4685	ERJ3GEYJ221V	M 220 OHM J 1/16W	
R7001	ERJ3GEYJ332V	M 3.3K OHM J 1/16W	
R7002	ERJ3GEYJ332V	M 3.3K OHM J 1/16W	
R7003	ERJ3GEYJ332V	M 3.3K OHM J 1/16W	
R7004	ERJ3GEYJ332V	M 3.3K OHM J 1/16W	
R7005	ERJ3GEYJ332V	M 3.3K OHM J 1/16W	
R7006	ERJ3GEYJ332V	M 3.3K OHM J 1/16W	
R7007	ERJ3GEYJ332V	M 3.3K OHM J 1/16W	
R7008	ERJ3GEYJ332V	M 3.3K OHM J 1/16W	
R7009	ERJ3GEYJ332V	M 3.3K OHM J 1/16W	
R7010	ERJ3GEYJ332V	M 3.3K OHM J 1/16W	
R7011	ERJ3GEYJ332V	M 3.3K OHM J 1/16W	
R7012	ERJ3GEYJ332V	M 3.3K OHM J 1/16W	
R7013	ERJ3GEYJ561V	M 560 OHM J 1/16W	
R7014	ERJ3GEYJ561V	M 560 OHM J 1/16W	
R7015	ERJ3GEYJ561V	M 560 OHM J 1/16W	
R7016	ERJ3GEYJ561V	M 560 OHM J 1/16W	
R7017	ERJ3GEYJ561V	M 560 OHM J 1/16W	
R7018	ERJ3GEYJ561V	M 560 OHM J 1/16W	
R7019	RSSX26T2R2J	M 2.2 OHM J 2W	
R7020	RSSX26T2R2J	M 2.2 OHM J 2W	
R7021	RSSX26T1R8J	M 1.8OHM J 2W	
R7022	RSSX26T1R8J	M 1.8OHM J 2W	
R7023	RSSX26T2R2J	M 2.2 OHM J 2W	
R7024	RSSX26T1R8J	M 1.8OHM J 2W	
R7025	RSS26T121J	M 120 OHM J 2W	
R7026	RSS26T820J	M 82 OHM J 2W	
R7027	RSS26T121J	M 120 OHM J 2W	
R7028	RSS26T820J	M 82 OHM J 2W	
R7029	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R7030	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R7031	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R7032	ERJ3GEYJ222V	M 2.2K OHM J 1/16W	
R7033	ERJ3GEYJ222V	M 2.2K OHM J 1/16W	
R7034	ERJ3GEYJ222V	M 2.2K OHM J 1/16W	
R7035	ERJ3GEYJ222V	M 2.2K OHM J 1/16W	
R7036	ERJ3GEYJ222V	M 2.2K OHM J 1/16W	
R7037	ERJ3GEYJ222V	M 2.2K OHM J 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R7038	RSS2GT121J	M 120 OHM J 2W	
R7039	RSS2GT121J	M 120 OHM J 2W	
R7103	ERJ6ENF1202V	M 12 K OHM 1/10W	
R7104	ERJ6ENF2201V	M 2.2K OHM 1/10W	
R7105	ERJ6ENF2201V	M 2.2K OHM 1/10W	
R7106	ERJ6ENF2201V	M 2.2K OHM 1/10W	
R7107	ERJ6ENF1502V	M 15K OHM 1/10W	
R7108	ERJ6ENF1502V	M 15K OHM 1/10W	
R7109	ERJ6GEYJ222V	M 2.2K OHM J 1/10W	
R7110	ERJ6GEYJ222V	M 2.2K OHM J 1/10W	
R7111	ERJ6GEYJ222V	M 2.2K OHM J 1/10W	
R7112	ERJ6ENF1002V	M 10K OHM 1/10W	
R7114	ERJ6ENF1102V	M 11K OHM 1/10W	
R7115	ERJ6ENF1102V	M 11K OHM 1/10W	
R7116	ERJ6ENF1102V	M 11K OHM 1/10W	
R7117	ERJ6ENF1102V	M 11K OHM 1/10W	
R7118	ERJ6ENF1002V	M 10K OHM 1/10W	
R7119	ERJ6ENF1102V	M 11K OHM 1/10W	
R7120	ERJ6ENF1102V	M 11K OHM 1/10W	
R7121	ERJ6ENF7502V	M 75K OHM F 1/16W	
R7122	ERJ6ENF7502V	M 75K OHM F 1/16W	
R7123	ERJ6ENF4702V	M 47K OHM 1/10W	
R7126	ERJ6ENF3001V	M 3K OHM 1/10W	
R7127	ERJ6ENF5100V	M 510 OHM 1/10W	
R7128	ERJ6ENF7502V	M 75K OHM F 1/16W	
R7129	ERJ6ENF7502V	M 75K OHM F 1/16W	
R7130	ERJ6ENF7502V	M 75K OHM F 1/16W	
R7131	ERJ6ENF7502V	M 75K OHM F 1/16W	
R7133	ERJ6GEYJ222V	M 2.2K OHM J 1/10W	
R7136	ERJ6GEYJ222V	M 2.2K OHM J 1/10W	
R7137	ERJ6GEYJ222V	M 2.2K OHM J 1/10W	
R7138	ERJ6ENF1502V	M 15K OHM 1/10W	
R7139	ERJ6GEYJ222V	M 2.2K OHM J 1/10W	
R7140	ERJ6ENF2201V	M 2.2K OHM 1/10W	
R7141	ERJ6ENF1502V	M 15K OHM 1/10W	
R7142	ERJ6ENF2201V	M 2.2K OHM 1/10W	
R7144	ERJ6ENF2201V	M 2.2K OHM 1/10W	
R7146	ERJ6ENF2201V	M 2.2K OHM 1/10W	
R7147	ERJ6ENF1502V	M 15K OHM 1/10W	
R7148	ERJ6ENF1502V	M 15K OHM 1/10W	
R7149	ERJ6GEYJ102V	M 1K OHM J 1/10W	
R7150	ERJ3GEYJ330V	M 33 OHM J 1/16W	
R7151	ERJ3GEYJ330V	M 33 OHM J 1/16W	
R7152	ERJ3GEYJ330V	M 33 OHM J 1/16W	
R7153	ERJ3GEYJ330V	M 33 OHM J 1/16W	
R7154	EXB38V103JV	M 10K OHM J 1/16W	
R7155	ERJ3GEYJ330V	M 33 OHM J 1/16W	
R7156	ERJ3GEYJ330V	M 33 OHM J 1/16W	
R7157	ERJ3GEYJ330V	M 33 OHM J 1/16W	
R7166	J0JCC0000241	COIL	
R7167	J0JCC0000241	COIL	
R7168	J0JCC0000241	COIL	
R7174	ERJ6GEYJ220V	M 22 OHM J 1/10W	
R7175	ERJ6GEYJ220V	M 22 OHM J 1/10W	
R7181	ERJ6GEYJ103V	M 10K OHM J 1/10W	
R7182	ERJ6GEYJ103V	M 10K OHM J 1/10W	
R7185	ERJ6GEYJ103V	M 10K OHM J 1/10W	
R7187	ERJ6GEYJ103V	M 10K OHM J 1/10W	
R7188	ERJ6ENF82R0V	M 82 OHM 1/10W	
R7189	ERJ6ENF3600V	M 360 OHM F 1/16W	
R7190	ERJ6GEYJ220V	M 22 OHM J 1/10W	
R7191	ERJ6GEYJ103V	M 10K OHM J 1/10W	
R7192	ERJ6GEYJ220V	M 22 OHM J 1/10W	
R7193	ERJ6GEYJ220V	M 22 OHM J 1/10W	
R7194	ERJ6GEYJ220V	M 22 OHM J 1/10W	
R7197	ERJ6GEYJ272V	M 2.7K OHM J 1/10W	
R7198	ERJ6GEYJ272V	M 2.7K OHM J 1/10W	
R7200	ERJ6GEYJ220V	M 22 OHM J 1/10W	
R7303	ERJ3GEYJ101V	M 100 OHM J 1/16W	
R7304	ERJ3GEYJ101V	M 100 OHM J 1/16W	
R7306	ERJ3EKF3902V	M 39K OHM F 1/16W	
R7701	ERJ6ENF3300V	M 330 OHM 1/10W	
R7702	ERJ6ENF3300V	M 330 OHM 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R7703	ERJ6ENF3300V	M 330 OHM 1/10W	
R7704	ERJ6ENF1800V	M 180 OHM 1/10W	
R7705	ERJ6ENF1800V	M 180 OHM 1/10W	
R7706	ERJ6ENF1800V	M 180 OHM 1/10W	
R7707	ERJ6ENF2200V	M 220 OHM 1/10W	
R7708	ERJ6ENF2200V	M 220 OHM 1/10W	
R7709	ERJ6ENF2200V	M 220 OHM 1/10W	
R7710	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R7711	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R7712	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R7713	ERJ3GEYJ103V	M 10K OHM J 1/16W	
R7714	ERJ6ENF6800V	M 680 OHM 1/10W	
R7715	ERJ6ENF6800V	M 680 OHM 1/10W	
R7716	ERJ6ENF6800V	M 680 OHM 1/10W	
R7717	ERJ3GEYJ471V	M 470 OHM J 1/16W	
R7718	ERJ3GEYJ471V	M 470 OHM J 1/16W	
R7719	ERJ3GEYJ471V	M 470 OHM J 1/16W	
R7720	ERJ3GEYJ101V	M 100 OHM J 1/16W	
R7721	ERJ3GEYJ122V	M 1.2K OHM J 1/16W	
R7722	ERJ3GEYJ122V	M 1.2K OHM J 1/16W	
R7723	ERJ3GEYJ122V	M 1.2K OHM J 1/16W	
R7727	ERJ3GEYJ123V	M 12K OHM J 1/16W	
R7728	ERJ3GEYJ223V	M 22K OHM J 1/16W	
R7729	ERJ3GEYJ223V	M 22K OHM J 1/16W	
R7730	ERJ3GEYJ471V	M 470 OHM J 1/16W	
R7731	ERJ3GEYJ471V	M 470 OHM J 1/16W	
R7732	ERJ6GEYJ181V	M 180 OHM J 1/10W	
R7733	ERJ6GEYJ181V	M 180 OHM J 1/10W	
R7734	ERJ6GEYJ181V	M 180 OHM J 1/10W	
R7735	ERJ3GEYJ471V	M 470 OHM J 1/16W	
R7736	ERJ3GEYJ221V	M 220 OHM J 1/16W	
R7737	ERJ6GEYJ822V	M 8.2K OHM J 1/10W	
R7738	ERJ6GEYJ222V	M 2.2K OHM J 1/10W	
R7741	ERJ6GEYJ822V	M 8.2K OHM J 1/10W	
R7742	ERJ6GEYJ222V	M 2.2K OHM J 1/10W	
R7743	ERJ6GEYJ822V	M 8.2K OHM J 1/10W	
R7744	ERJ6GEYJ222V	M 2.2K OHM J 1/10W	
R7747	ERJ6GEYJ201V	M 200 OHM J 1/10W	
R7748	ERJ6GEYJ102V	M 1K OHM J 1/10W	
R7749	ERJ6GEYJ331V	M 330 OHM J 1/10W	
R7750	ERJ6GEYJ331V	M 330 OHM J 1/10W	
R7751	ERJ6GEYJ331V	M 330 OHM J 1/10W	
R7753	ERJ6GEYJ102V	M 1K OHM J 1/10W	
R7754	ERJ6GEYJ102V	M 1K OHM J 1/10W	
R7757	ERJ6GEYJ471V	M 470 OHM J 1/10W	
R7758	ERJ6GEYJ471V	M 470 OHM J 1/10W	
R7759	ERJ6GEYJ101V	M 100 OHM J 1/10W	
R7764	ERJ3GEYJ102V	M 1K OHM J 1/16W	
R7765	ERJ3GEYJ332V	M 3.3K OHM J 1/16W	
R7766	ERJ3GEYJ332V	M 3.3K OHM J 1/16W	
R7767	ERJ3GEYJ563V	M 56K OHM J 1/16W	
R7768	ERJ6GEYJ102V	M 1K OHM J 1/10W	
R7769	ERJ6GEYJ102V	M 1K OHM J 1/10W	
R7770	RD16ST221J	C 220 OHM J 1/4W	
R7771	EROS2THF2000	M 200 OHM F 1/4W	
R7772	EROS2THF2000	M 200 OHM F 1/4W	
R7773	EROS2THF2000	M 200 OHM F 1/4W	
R7774	EROS2THF82R0	M 82 OHM F 1/4W	
R7775	RD16ST330J	C 33 OHM J 1/4W	
R7777	ERJ6GEYJ102V	M 1K OHM J 1/10W	
R7780	RD16ST221J	C 220 OHM J 1/4W	
R7781	EROS2THF2000	M 200 OHM F 1/4W	
R7782	EROS2THF2000	M 200 OHM F 1/4W	
R7783	EROS2THF2000	M 200 OHM F 1/4W	
R7784	EROS2THF82R0	M 82 OHM F 1/4W	
R7785	RD16ST330J	C 33 OHM J 1/4W	
R7790	RD16ST221J	C 220 OHM J 1/4W	
R7791	EROS2THF2000	M 200 OHM F 1/4W	
R7792	EROS2THF2000	M 200 OHM F 1/4W	
R7793	EROS2THF2000	M 200 OHM F 1/4W	
R7794	EROS2THF82R0	M 82 OHM F 1/4W	
R7795	RD16ST330J	C 33 OHM J 1/4W	
R7796	EROS2THF82R0	M 82 OHM F 1/4W	

Ref. No.	Part No.	Part Name & Description	Remarks
R7797	RD16ST333J	C 33K OHM J 1/4W	
R7798	RD16ST472J	C 4.7K OHM J 1/4W	
R7799	RD16ST221J	C 220 OHM J 1/4W	
R9601	EROS2THF2741	M 2.74K OHM F 1/4W	
R9602	RD16ST104J	C 100K OHM J 1/4W	
R9603	RSS2GT333J	M 33K OHM J 2W	
R9604	RSS2GT333J	M 33K OHM J 2W	
R9605	RSS2GT333J	M 33K OHM J 2W	
R9606	RSS2GT333J	M 33K OHM J 2W	
R9607	RSS2GT333J	M 33K OHM J 2W	
R9608	EROS2THF1500	M 150 OHM 1/4W	
R9609	ERC126K103D	S 10K OHM K 1/2W	
R9610	RD16ST221J	C 220 OHM J 1/4W	
R9611	RD16ST221J	C 220 OHM J 1/4W	
R9612	RD16ST101J	C 100 OHM J 1/4W	
R9613	RD16ST101J	C 100 OHM J 1/4W	
R9614	RD16ST101J	C 100 OHM J 1/4W	
R9615	RD16ST102J	C 1K OHM J 1/4W	
R9616	RSS2GT222J	M 22K OHM J 2W	
R9617	EROS2THF2742	M 27.4K OHM F 1/4W	
R9618	EROS2THF2801	M 2.8K OHM F 1/4W	
R9619	EROS2THF1501	M 1.5KOHM F 1/4W	
R9620	EROS2THF3301	M 33KOHM F 1/4W	
R9621	RD16ST102J	C 1K OHM J 1/4W	
R9622	RD16ST102J	C 1K OHM J 1/4W	
R9623	RD16ST102J	C 1K OHM J 1/4W	
R9624	RD16ST102J	C 1K OHM J 1/4W	
R9625	RD16ST102J	C 1K OHM J 1/4W	
R9626	EROS2THF2201	M 2.2KOHM F 1/4W	
R9628	RD16ST101J	C 100 OHM J 1/4W	
JA1	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA1	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA2	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA2	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA3	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA3	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA4	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA4	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA5	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA5	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA6	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA6	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA7	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA8	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA8	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA9	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA9	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA10	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA10	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA11	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA12	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA12	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA13	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA14	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA14	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA15	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA16	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA17	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA18	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA19	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA19	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA20	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA20	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA21	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA21	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA22	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA22	ERJ8GEY0R00V	M 0 OHM 1/10W	
JA23	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA23	ERJ8GEY0R00V	M 0 OHM 1/10W	
JA24	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA24	ERJ8GEY0R00V	M 0 OHM 1/10W	
JA25	ERJ6GEY0R00V	M 0 OHM J 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
JA25	ERJ8GEY0R00V	M 0 OHM 1/10W	
JA26	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA26	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA27	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA27	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA28	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA28	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA29	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA29	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA30	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA30	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA31	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA31	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA32	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA32	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA33	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA33	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA34	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA34	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA35	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA36	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA37	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA38	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA39	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA40	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA41	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JA1001	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JA1002	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JA1003	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS092	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JS093	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JS094	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JS095	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JS109	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JS113	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JS126	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JS127	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JS134	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JS136	ERJ8GEY0R00V	M 0 OHM 1/10W	
JS137	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JS138	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JS139	ERJ6GEY0R00V	M 0 OHM J 1/10W	
JS148	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS1105	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS3002	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS3007	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS3010	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4004	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4005	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4006	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4008	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4009	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4010	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4011	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4012	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4013	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4014	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4201	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4202	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4203	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4204	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4205	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4207	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4208	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4401	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4402	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4403	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4404	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4405	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4408	ERJ8GEY0R00V	M 0 OHM 1/10W	
JS4422	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4423	ERJ3GEY0R00V	M 0 OHM J 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
JS4424	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4425	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4426	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4427	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4436	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4437	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4439	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4440	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4441	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4442	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4443	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4444	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4445	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4447	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS4449	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS7101	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JS7102	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JSA006	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JSA402	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JSA407	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JSA1406	ERJ3GEY0R00V	M 0 OHM J 1/16W	
JSA2412	ERJ3GEY0R00V	M 0 OHM J 1/16W	
L4014	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R012	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R013	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R014	ERJ6GEY0R00V	M 0 OHM J 1/10W	
R416	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R1106	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R1107	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R1128	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R1135	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R1136	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R1146	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R2024	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R2037	ERJ6GEY0R00V	M 0 OHM J 1/10W	
R3025	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R3026	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R3046	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R3051	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R3075	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R3077	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4003	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4008	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4009	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4012	ERJ6GEY0R00V	M 0 OHM J 1/10W	
R4013	ERJ6GEY0R00V	M 0 OHM J 1/10W	
R4014	ERJ6GEY0R00V	M 0 OHM J 1/10W	
R4015	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4016	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4025	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4030	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4033	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4048	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4059	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4110	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4111	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4112	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4209	ERJ6GEY0R00V	M 0 OHM J 1/10W	
R4210	ERJ6GEY0R00V	M 0 OHM J 1/10W	
R4211	ERJ6GEY0R00V	M 0 OHM J 1/10W	
R4214	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4215	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4238	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4241	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4249	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4252	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4270	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4280	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4290	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4401	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4402	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4406	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4407	ERJ3GEY0R00V	M 0 OHM J 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R4408	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4409	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4410	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4411	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4413	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4437	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4443	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4446	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4454	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4458	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4460	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4465	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4473	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4476	ERJ8GEY0R00V	M 0 OHM 1/10W	
R4478	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4481	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4489	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4506	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4507	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4520	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4524	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4529	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4568	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4595	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4596	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4604	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4605	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4606	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4608	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R4609	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R7195	ERJ6GEY0R00V	M 0 OHM J 1/10W	
R7199	ERJ6GEY0R00V	M 0 OHM J 1/10W	
R7300	ERJ6GEY0R00V	M 0 OHM J 1/10W	
R7301	ERJ6GEY0R00V	M 0 OHM J 1/10W	
R7302	ERJ6GEY0R00V	M 0 OHM J 1/10W	
R7305	ERJ6GEY0R00V	M 0 OHM J 1/10W	
R7724	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R7725	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R7726	ERJ3GEY0R00V	M 0 OHM J 1/16W	
R7755	ERJ6GEY0R00V	M 0 OHM J 1/10W	
R7760	ERJ6GEY0R00V	M 0 OHM J 1/10W	
R7761	ERJ6GEY0R00V	M 0 OHM J 1/10W	
R7762	ERJ6GEY0R00V	M 0 OHM J 1/10W	
R7763	ERJ6GEY0R00V	M 0 OHM J 1/10W	
C009	SKP102M0JF11	E 1000UF 6.3V	
C011	ECJ2FB1C474K	C 0.47UF K 16V	
C012	EEUF1A1021B	E 1000UF 10V	
C013	MCJ2VF1H104Z	C 0.1UF Z 50V	
C014	SKP471M1CF11	E 470UF 16V	
C015	MCJ2VF1H104Z	C 0.1UF Z 50V	
C016	ECJ2VF1C104Z	C 0.1UF Z 16V	
C017	SKP331M1H616	E 330 UF 10V	
C018	MCJ2VF1H104Z	C 0.1UF Z 50V	
C019	ECJ2VF1C104Z	C 0.1UF Z 16V	
C020	ECJ2VF1C104Z	C 0.1UF Z 16V	
C067	ECKCNA102MB7	C 1000PF M	△
C068	ECKCNA102MB7	C 1000PF M	△
C069	ECKCNA102MB7	C 1000PF M	△
C103	MCJ2VB1H103K	C 0.01UF K 50V	
C104	F2A1C471A129	E 470UF 16V	
C105	MCJ2VB1H103K	C 0.01UF K 50V	
C107	F2A1V471A127	E 470UF 35V	
C109	F2A1V471A127	E 470UF 35V	
C110	F2A1C471A129	E 470UF 16V	
C112	TKP471M1VG16	E 470UF 35V	
C113	ECJ2VF1C104Z	C 0.1UF Z 16V	
C114	MCJ2VF1H104Z	C 0.1UF Z 50V	
C115	SKP471M1CF11	E 470UF 16V	
C116	F2A1C471A129	E 470UF 16V	
C117	MCJ2VB1H103K	C 0.01UF K 50V	
C119	F2A1V471A127	E 470UF 35V	
C140	MCJ2VB1H103K	C 0.01UF K 50V	

Ref. No.	Part No.	Part Name & Description	Remarks
C141	MCJ2VB1H103K	C 0.01UF K 50V	
C142	SKP471M1CF11	E 470UF 16V	
C143	SKP471M1CF11	E 470UF 16V	
C144	SKP101M1CD11	E 100UF 16V	
C351	F2A2E1000011	E 10UF 250V	
C353	ECKW3A103MEH	C 10000PF 1000V	
C356	ECKW3D102KBN	C 1000PF K 2KV	
C357	ECQB1H104JF3	P 0.1UF J 50V	
C360	SKP470M1VD11	E 47UF 35V	
C361	F1B1H1030003	C 1000PF 50V	
C364	SKP470M1VD11	E 47UF 35V	
C365	F2A2E470A037	E 47UF 250V	
C371	F2A2E1000011	E 10UF 250V	
C373	ECKW3A103MEH	C 10000PF 1000V	
C374	F1B1H1030003	C 1000PF 50V	
C376	ECKW3D102KBN	C 1000PF K 2KV	
C377	ECQB1H104JF3	P 0.1UF J 50V	
C380	SKP470M1VD11	E 47UF 35V	
C381	F1B1H1030003	C 1000PF 50V	
C391	F2A2E1000011	E 10UF 250V	
C393	ECKW3A103MEH	C 10000PF 1000V	
C396	ECKW3D102KBN	C 1000PF K 2KV	
C397	ECQB1H104JF3	P 0.1UF J 50V	
C401	ECQB1224KFW	P 0.22UF 100V	
C402	F2A1V4710040	E 470UF 16V	
C403	MCJ2VB1H821K	C 820PF K 50V	
C404	SKP471M1VG16	E 470UF 35V	
C405	NE1HHW100B	E 10 UF 50V	
C406	ECJ2VB1H332K	C 3300PF K 50V	
C408	SKP221M1VF11	E 220UF 35V	
C409	NKP220M1CD11	E 22UF 16V	
C410	SKP470M1VD11	E 47UF 35V	
C411	ECJ2VB1C104K	C 0.1UF K 16V	
C413	NE1HHWR47B	E 0.47UF 50V	
C414	ECJ1VB1H103K	C 0.01UF K 50V	
C415	MCJ2VF1H104Z	C 0.1UF Z 50V	
C417	NE1HHW220B	E 22 UF 50V	
C502	ECKW3D221JBP	C 220PF J 2KV	
C503	ECKW3D221JBP	C 220PF J 2KV	
C504	F1B1H1030003	C 1000PF 50V	
C506	ECWF2474JSR	P 0.47UF J 250V	
C507	NE1HHW470B	E 47 UF 50V	
C508	ECWH20242JVY	C 2400PF J 2KV	
C509	ECWH20242JVY	C 2400PF J 2KV	
C510	ECQF6183JZH	P 0.018UF J 630V	
C511	ECWH20562JVB	P 0.056UF J 2KV	
C512	F1B2H102A034	C 1000PF 200V	
C513	F1B2H102A034	C 1000PF 200V	
C514	NE1HHWN100B	E 10 UF 50V	
C515	F2B1E222A005	E 2200UF 25V	
C516	ECQE2224KF3	P 0.22 UF K 250V	
C517	ECA160V33UE	E 33UF 160V	
C518	SKP101M1VE11	E 100UF 35V	
C519	ECQV1H104JL3	P 0.1UF J 50V	
C520	F2A2E470A037	E 47UF 250V	
C521	ECQB1H682JF3	P 6800PF J 6.3V	
C522	NE1HHWN2R2B	E 2.2UF 50V	
C523	F1B2H1010002	C 100PF 200V	
C524	ECCW3F181KGE	C 180PF K 3KV	
C525	ECQF6682JZH	P 6800PF J 630V	
C526	ECQF6682JZH	P 6800PF J 630V	
C527	ECWH20822JVB	C 0.082UF J 2KV	
C528	ECWH20362JVY	C 0.036UF J 2KV	
C702	F0C2E824A076	P 0.82UF K 250V	
C703	ECKW3D271KBP	C 270PF K 2KV	
C704	ECQE1106KFB	P 10UF K 100V	
C705	ECQE1106KFB	P 10UF K 100V	
C706	NE1HHW100B	E 10 UF 50V	
C801	TKP471M1CF11	E 470UF 16V	
C802	ECQB1H681JF3	P 680PF J 50V	
C803	ECKW3F681KBP	C 680PF K 2KV	
C804	ECKW3D681KBP	C 680PF K 2KV	
C805	ECQU2A224MNB	P 0.22UF M 250V	△

Ref. No.	Part No.	Part Name & Description	Remarks
C806	ECQU2A224MNB	P 0.22UF M 250V	△
C807	ECKWAE472ZE	C 4700PF P 500V	
C808	ECKWAE472ZE	C 4700PF P 500V	
C809	ECKWAE472ZE	C 4700PF P 500V	
C810	ECKWAE472ZE	C 4700PF P 500V	
C811	TKP221M1VF11	E 220UF 35V	
C812	ECKCNA471MB7	C 470PF M 250V	△
C813	ECKW3F681KBP	C 680PF K 2KV	
C814	ECKR3A561KBP	C 560 PF K 1KV	
C815	ECKR3A561KBP	C 560 PF K 1KV	
C816	ECKR3A561KBP	C 560 PF K 1KV	
C817	ECQV1H104JL3	P 0.1UF J 50V	
C818	F2B1H102A007	E 1000UF 50V	
C819	F0C2E154A067	P 0.15UF J 250V	
C820	ECKW3A472KBP	C 4700PF K 1KV	
C822	F2B2G471A017	E 470UF 400V	
C824	SKP102M1EG21	E 1000UF 25V	
C826	ECQU2A224MLA	P 0.22UF M 250V or ECQU2A224BN9	△
C827	F2A1E272A223	E 2700UF 25V	
C828	EEUFC1E821E	E 820UF 25V	
C830	ECKW3F681KBP	C 680PF K 2KV	
C831	ECKW3F681KBP	C 680PF K 2KV	
C833	ECKR3A471KBP	C 470PF K 1KV	
C835	ECQB1H471JF3	P 470PF J 50V	
C836	ECKW3D821KBP	C 820PF K 2KV	
C837	EETHC2C681B	E 680UF 160V	
C838	SKP331M0JE11	E 330UF 6.3V	
C839	F2A1E272A223	E 2700UF 25V	
C841	ECQV1H104JL3	P 0.1UF J 50V	
C842	ECKW3D471KBP	C 470PF K 2KV	
C843	F1A2H101A063	E 100PF 200V	
C845	F1B1H1020003	C 1000PF 50V	
C846	ECKWAE472ZE	C 4700PF P 500V	
C847	ECKWAE472ZE	C 4700PF P 500V	
C848	ECA2WHG4R7B	E 4.7UF 450V	
C849	EEUFC1V680B	E 68UF 35V	
C851	F2A1C1020027	E 1000UF 16V	
C852	ECQV1H104JL3	P 0.1UF J 50V	
C853	SKP102M1CG16	E 1000UF 16V	
C854	NE1HHW010B	E 1 UF 50V	
C860	T3A206016	DIODE	
C901	TACDE1C100MT	E 10UF 16V	
C902	SKP101M1CD11	E 100UF 16V	
C906	SKP101M1CD11	E 100UF 16V	
C907	F1B1H121A049	C 120PF 50V	
C910	NE1HHW100B	E 10 UF 50V	
C911	SKP101M1CD11	E 100UF 16V	
C920	F1B1H1030003	C 1000PF 50V	
C932	NE1HHW101B	E 100UF 50V	
C952	NE1HHW101B	E 100UF 50V	
C955	ECQM2103KZ3	P 0.01UF K 250V	
C958	F2A2C1000008	E 10UF 160V	
C961	F2A2C1000008	E 10UF 160V	
C962	F1B1H1030003	C 1000PF 50V	
C964	SKP101M1CD11	E 100UF 16V	
C966	SKP101M1CD11	E 100UF 16V	
C967	SKP221M1CE11	E 220UF 16V	
C972	F1B1H1030003	C 1000PF 50V	
C973	ECQM2103KZ3	P 0.01UF K 250V	
C974	NE1HHW100B	E 10 UF 50V	
C1040	ECQB1H223JF3	P 0.022UF K 50V	
C1041	NE1CHW470B	E 47 UF 16V	
C1043	F1B1H101A018	C 100PF 50V	
C1051	SKP101M1CD11	E 100UF 16V	
C1054	F1B1H101A026	C 100PF 50V	
C1101	F2H1C470A009	E 47UF 16V	
C1102	ECJ1VF1C104Z	C 0.1UF Z 16V	
C1103	ECJ1VF1C104Z	C 0.1UF Z 16V	
C1105	F2H0J470A010	E 47UF 6.3V	
C1106	F1H1C104A041	C 0.1UF K 16V	
C1107	F1H1C104A041	C 0.1UF K 16V	
C1108	EEHB0G470R	E 47UF 6.3V	

Ref. No.	Part No.	Part Name & Description	Remarks
C1109	ECJ1VB1C104K	C 0.1UF K 16V	
C1111	ECJ1VC1H151J	C 150PF J 50V	
C1112	ECJ3YB0J106K	C 10UF K 6.2V	
C1114	ECJ1VF1C104Z	C 0.1UF Z 16V	
C1115	ECJ1VF1C104Z	C 0.1UF Z 16V	
C1116	ECJ1VF1C104Z	C 0.1UF Z 16V	
C1117	ECJ3YB0J106K	C 10UF K 6.2V	
C1118	ECJ1VB1C104K	C 0.1UF K 16V	
C1119	ECJ1VF1C104Z	C 0.1UF Z 16V	
C1120	EEH06G470R	E 47UF 6.3V	
C1121	ECJ1VF1C104Z	C 0.1UF Z 16V	
C1122	ECJ1VF1C104Z	C 0.1UF Z 16V	
C1123	ECJ1VF1C104Z	C 0.1UF Z 16V	
C1124	ECJ1VF1C104Z	C 0.1UF Z 16V	
C1126	ECJ1VF1C104Z	C 0.1UF Z 16V	
C1127	ECJ1VC1H220J	C 22PF J 50V	
C1128	ECJ1VF1C104Z	C 0.1UF Z 16V	
C1129	F2H0J470A010	E 47UF 6.3V	
C1130	ECJ1VC1H220J	C 22PF J 50V	
C1131	ECJ1VF1C104Z	C 0.1UF Z 16V	
C1133	ECJ1VF1C104Z	C 0.1UF Z 16V	
C1134	F1H1C104A041	C 0.1UF K 16V	
C1135	ECJ1VF1C104Z	C 0.1UF Z 16V	
C1136	ECJ1VF1C104Z	C 0.1UF Z 16V	
C1137	ECJ1VF1C104Z	C 0.1UF Z 16V	
C1138	ECJ1VF1C105Z	C 1UF Z 16V	
C1139	ECJ1VF1C104Z	C 0.1UF Z 16V	
C1141	ECJ1VB1H103K	C 0.01UF K 50V	
C1142	F2H1C100A009	E 10UF 16V	
C1143	ECJ2VF1C104Z	C 0.1UF Z 16V	
C1144	ECJ1VB1C104K	C 0.1UF K 16V	
C1145	ECJ1VF1A105Z	C 1UF Z 10V	
C1146	ECJ3YB0J335M	C 3.3UF M 6.3V	
C1147	ECJ2VF1C104Z	C 0.1UF Z 16V	
C1148	F2H0G101A005	E 100UF 50V	
C1149	ECJ1VF1C104Z	C 0.1UF Z 16V	
C1150	ECJ1VF1C104Z	C 0.1UF Z 16V	
C1151	ECJ1VF1C104Z	C 0.1UF Z 16V	
C1152	ECJ1VF1C104Z	C 0.1UF Z 16V	
C1153	ECJ1VF1C104Z	C 0.1UF Z 16V	
C1154	ECJ1VF1C104Z	C 0.1UF Z 16V	
C1155	ECJ1VF1C104Z	C 0.1UF Z 16V	
C1156	ECJ1VF1C104Z	C 0.1UF Z 16V	
C1157	ECJ3YB0J335M	C 3.3UF M 6.3V	
C1158	ECJ1VB1C103K	C 0.01UF K 16V	
C1159	ECJ3YB0J106K	C 10UF K 6.2V	
C1410	MCJ2VB1H102K	C 1000PF K 50V	
C1411	MCJ2VB1H102K	C 1000PF K 50V	
C1412	MCJ2VB1H102K	C 1000PF K 50V	
C1417	SKP101M1CD11	E 100UF 16V	
C1418	ECJ2VF1C104Z	C 0.1UF Z 16V	
C1419	ECJ2VC1H102J	C 1000PF J 50V	
C1420	ECJ2VC1H101J	C 100PF J 50V	
C1421	ECJ2VF1C104Z	C 0.1UF Z 16V	
C1423	SKP101M1CD11	E 100UF 16V	
C1424	ECJ2VF1C104Z	C 0.1UF Z 16V	
C1459	MCJ2VB1H122K	C 1200PF K 25V	
C2002	ECJ2VB1H332K	C 3300PF K 50V	
C2003	ECJ2VB1H332K	C 3300PF K 50V	
C2005	ECJ1VF1A105Z	C 1UF Z 10V	
C2006	ECJ1VF1A105Z	C 1UF Z 10V	
C2007	MCJ2VB1H103K	C 0.01UF K 50V	
C2009	MCJ2VB1H103K	C 0.01UF K 50V	
C2013	NE1CHW100B	E 10 UF 16V	
C2014	NE1CHW100B	E 10 UF 16V	
C2016	ECJ2VF1C104Z	C 0.1UF Z 16V	
C2017	ECJ2VF1C104Z	C 0.1UF Z 16V	
C2018	NE1HHW3R3B	E 3.3UF 50V	
C2019	ECJ2VF1C104Z	C 0.1UF Z 16V	
C2020	SKP471M1CF11	E 470UF 16V	
C2021	ECJ2VF1C104Z	C 0.1UF Z 16V	
C2022	NE1AHW101B	E 100UF 10V	
C2023	MCJ2VF1H104Z	C 0.1UF Z 50V	

Ref. No.	Part No.	Part Name & Description	Remarks
C2025	ECJ2VF1C104Z	C 0.1UF Z 16V	
C2026	NE1HHW100B	E 10 UF 50V	
C2028	ECJ2VC1H470J	C 47PF J 50V	
C2029	MCJ2VB1H103K	C 0.01UF K 50V	
C2032	ECJ2VC1H030C	C 3 PF C 50V	
C2033	ECJ2VC1H030C	C 3 PF C 50V	
C2034	ECJ2VC1H470J	C 47PF J 50V	
C2035	ECJ2VC1H100D	C 10 PF D 50V	
C2036	ECJ2VC1H560J	C 56PF J 50V	
C2037	SKP471M1CF11	E 470UF 16V	
C2038	ECJ2VC1H220J	C 22PF J 50V	
C2042	ECJ1VF1C334Z	C 0.33UF Z 50V	
C2043	MCJ2VB1H102K	C 1000PF K 50V	
C2044	ECJ1VB1C104K	C 0.1UF K 16V	
C2446	NE1HHW100B	E 10 UF 50V	
C2447	TKP100M1HD11	E 10UF 50V	
C2448	SKP101M1VE11	E 100UF 35V	
C2450	ECQB1H272JF3	P 2700PF J 50V	
C2451	ECQB1H272JF3	P 2700PF J 50V	
C2452	SKP101M1VE11	E 100UF 35V	
C2453	SKP101M1VE11	E 100UF 35V	
C2455	F2A1V102A188	E 1000UF 35V	
C2456	F2A1V102A188	E 1000UF 35V	
C2457	ECQV1H104JL3	P 0.1UF J 50V	
C2458	F2B1H102A007	E 1000UF 50V	
C2459	ECQV1H104JL3	P 0.1UF J 50V	
C2460	NE1HHWNR33B	C 0.33UF 50V	
C2461	NE1HHWNR33B	C 0.33UF 50V	
C2466	ECJ2VC1H102J	C 1000PF J 50V	
C2467	F1K1H1050002	P 1UF K 50V	
C2468	MCJ2VB1H152K	C 1500PF K 50V	
C2470	F1B1H101A026	C 100PF 50V	
C3001	ECJ2FB1A105K	C 1UF 16V	
C3002	ECJ2FB1A105K	C 1UF 16V	
C3003	ECJ2FB1A105K	C 1UF 16V	
C3004	ECJ2FB1A105K	C 1UF 16V	
C3005	ECJ2FB1A105K	C 1UF 16V	
C3006	ECJ2FB1A105K	C 1UF 16V	
C3007	ECJ2FB1A105K	C 1UF 16V	
C3008	ECJ2FB1A105K	C 1UF 16V	
C3009	ECJ2FB1A105K	C 1UF 16V	
C3010	ECJ2FB1A105K	C 1UF 16V	
C3011	ECJ2FB1A105K	C 1UF 16V	
C3012	ECJ2FB1A105K	C 1UF 16V	
C3013	ECJ2FB1A105K	C 1UF 16V	
C3014	EEH0B1C220UR	E 22UF J 16V	
C3015	F2H1C100A009	E 10UF 16V	
C3016	F2H1C100A009	E 10UF 16V	
C3018	ECJ1VF1C104Z	C 0.1UF Z 16V	
C3019	ECJ1VF1C104Z	C 0.1UF Z 16V	
C3021	ECJ1VF1C104Z	C 0.1UF Z 16V	
C3022	ECJ1VF1C104Z	C 0.1UF Z 16V	
C3023	ECJ1VF1C104Z	C 0.1UF Z 16V	
C3024	ECJ1VF1C104Z	C 0.1UF Z 16V	
C3025	EEH0B1C220R	E 22UF 16V	
C3030	ECJ1VF1C104Z	C 0.1UF Z 16V	
C3031	EEH0B1C101UP	E 100UF J 16V	
C3032	F2H1C100A009	E 10UF 16V	
C3035	ECJ2VF1C105Z	C 1UF Z 16V	
C3036	ECJ3YB0J106K	C 10UF K 6.2V	
C3037	ECJ1VF1C104Z	C 0.1UF Z 16V	
C3038	EEH0B1C101UP	E 100UF J 16V	
C3042	ECJ1VF1A105Z	C 1UF Z 10V	
C3043	ECJ1VF1A105Z	C 1UF Z 10V	
C3044	ECJ1VF1A105Z	C 1UF Z 10V	
C3045	ECJ1VF1A105Z	C 1UF Z 10V	
C3046	ECJ1VF1A105Z	C 1UF Z 10V	
C3047	ECJ1VF1A105Z	C 1UF Z 10V	
C3048	ECJ1VF1A105Z	C 1UF Z 10V	
C3049	ECJ1VF1A105Z	C 1UF Z 10V	
C3050	ECJ1VF1A105Z	C 1UF Z 10V	
C3051	ECJ1VF1A105Z	C 1UF Z 10V	
C3052	MCJ2VB1H562K	C 5600PF K 50V	

Ref. No.	Part No.	Part Name & Description	Remarks
C3053	MCJ2VB1H562K	C 5600PF K 50V	
C3106	MCJ2VB1H562K	C 5600PF K 50V	
C3108	MCJ2VB1H562K	C 5600PF K 50V	
C3110	MCJ2VB1H562K	C 5600PF K 50V	
C3112	MCJ2VB1H562K	C 5600PF K 50V	
C3115	MCJ2VB1H562K	C 5600PF K 50V	
C3117	MCJ2VB1H562K	C 5600PF K 50V	
C3119	ECJ2VC1H561J	C 560PF J 50V	
C3120	F2A1E471A135	E 470UF 25V	
C3122	ECJ2VC1H561J	C 560PF J 50V	
C3131	MCJ2VB1H102K	C 1000PF K 50V	
C3132	MCJ2VB1H102K	C 1000PF K 50V	
C3135	ECJ2VF1C105Z	C 1UF Z 16V	
C3352	ECA2AM220B	E 22UF 100V	
C3353	F1B1H1030003	C 1000PF 50V	
C3362	ECA2AM220B	E 22UF 100V	
C3363	F1B1H1030003	C 1000PF 50V	
C3372	ECA2AM220B	E 22UF 100V	
C3373	F1B1H1030003	C 1000PF 50V	
C4001	ECJ1VB0J105K	C 1UF K 6.3V	
C4002	ECJ1VB1C104K	C 0.1UF K 16V	
C4003	ECJ1VB1C104K	C 0.1UF K 16V	
C4004	ECJ1VB1C104K	C 0.1UF K 16V	
C4005	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4006	ECJ1VB1H103K	C 0.01UF K 50V	
C4007	ECJ1VF1A105Z	C 1UF Z 10V	
C4009	ECJ1VB1C104K	C 0.1UF K 16V	
C4010	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4011	ECJ1VB1C104K	C 0.1UF K 16V	
C4012	ECJ1VC1H102J	C 1000PF J 50V	
C4014	ECJ1VB1C104K	C 0.1UF K 16V	
C4015	ECJ1VB1C104K	C 0.1UF K 16V	
C4016	ECJ1VB1C104K	C 0.1UF K 16V	
C4017	ECJ1VB1C104K	C 0.1UF K 16V	
C4018	ECJ1VB1C104K	C 0.1UF K 16V	
C4019	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4020	ECJ1VC1H680J	C 68PF J 50V	
C4021	ECJ1VB0J105K	C 1UF K 6.3V	
C4022	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4023	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4024	ECJ1VB1C104K	C 0.1UF K 16V	
C4025	ECJ1VF1A105Z	C 1UF Z 10V	
C4026	ECJ1VB1C104K	C 0.1UF K 16V	
C4027	ECJ1VB1C104K	C 0.1UF K 16V	
C4028	ECJ1VB1C104K	C 0.1UF K 16V	
C4029	ECJ1VB1C104K	C 0.1UF K 16V	
C4030	ECJ1VB1C104K	C 0.1UF K 16V	
C4031	ECJ1VB1C104K	C 0.1UF K 16V	
C4032	ECJ1VC1H680J	C 68PF J 50V	
C4033	ECJ1VB1C104K	C 0.1UF K 16V	
C4034	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4035	ECJ1VB1C104K	C 0.1UF K 16V	
C4036	ECJ1VF1A105Z	C 1UF Z 10V	
C4037	ECJ1VF1A105Z	C 1UF Z 10V	
C4038	ECJ1VB1C103K	C 0.01UF K 16V	
C4039	ECJ1VF1A105Z	C 1UF Z 10V	
C4040	ECJ1VB0J105K	C 1UF K 6.3V	
C4041	ECJ1VB1C103K	C 0.01UF K 16V	
C4042	ECJ1VF1A105Z	C 1UF Z 10V	
C4043	ECJ1VB0J105K	C 1UF K 6.3V	
C4047	ECJ1VC1H220J	C 22PF J 50V	
C4049	ECJ1VF1A105Z	C 1UF Z 10V	
C4051	ECJ1VC1H220J	C 22PF J 50V	
C4052	ECJ1VC1H050C	C 5PF D 50 V	
C4053	ECJ1VF1A105Z	C 1UF Z 10V	
C4055	ECJ3YB0J106K	C 10UF K 6.2V	
C4056	ECJ3YB0J106K	C 10UF K 6.2V	
C4057	ECJ1VF1A105Z	C 1UF Z 10V	
C4060	ECJ3YB0J106K	C 10UF K 6.2V	
C4065	F2H1C470A009	E 47UF 16V	
C4066	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4067	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4068	ECJ1VF1C104Z	C 0.1UF Z 16V	

Ref. No.	Part No.	Part Name & Description	Remarks
C4069	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4070	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4071	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4072	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4073	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4074	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4075	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4201	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4202	ECJ1VF1A105Z	C 1UF Z 10V	
C4203	ECJ1VB1C104K	C 0.1UF K 16V	
C4204	ECJ1VB0J105K	C 1UF K 6.3V	
C4206	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4207	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4209	ECJ1VC1H180J	C 18PF J 50V	
C4210	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4211	ECJ1VC1H180J	C 18PF J 50V	
C4213	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4214	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4215	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4216	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4217	ECJ1VB1C104K	C 0.1UF K 16V	
C4218	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4219	ECJ1VF1A105Z	C 1UF Z 10V	
C4220	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4221	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4222	ECJ1VC1H330J	C 33PF J 50V	
C4223	ECJ1VF1A105Z	C 1UF Z 10V	
C4224	ECJ1VF1A105Z	C 1UF Z 10V	
C4225	ECJ1VB0J105K	C 1UF K 6.3V	
C4226	ECJ1VB1C103K	C 0.01UF K 16V	
C4227	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4228	ECJ1VC1H680J	C 68PF J 50V	
C4229	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4230	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4231	ECJ1VF1A105Z	C 1UF Z 10V	
C4232	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4233	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4234	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4235	ECJ1VC1H102J	C 1000PF J 50V	
C4236	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4237	ECJ1VB0J105K	C 1UF K 6.3V	
C4238	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4242	ECJ1VF1A105Z	C 1UF Z 10V	
C4243	ECJ3YB0J106K	C 10UF K 6.2V	
C4246	ECJ1VC1H220J	C 22PF J 50V	
C4249	ECJ3YB0J106K	C 10UF K 6.2V	
C4250	ECJ1VC1H220J	C 22PF J 50V	
C4255	ECJ3YB0J106K	C 10UF K 6.2V	
C4258	ECJ1VC1H050C	C 5PF D 50 V	
C4259	ECJ1VF1A105Z	C 1UF Z 10V	
C4260	ECJ1VF1A105Z	C 1UF Z 10V	
C4265	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4266	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4267	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4268	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4269	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4270	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4271	ECJ1VF1H103Z	C 0.01UF Z 50V	
C4272	ECJ1VF1H103Z	C 0.01UF Z 50V	
C4273	ECJ1VF1H103Z	C 0.01UF Z 50V	
C4274	ECJ1VF1H103Z	C 0.01UF Z 50V	
C4401	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4402	ECJ1VF1H104Z	C 0.1UF Z 50V	
C4403	ECJ1VF1H104Z	C 0.1UF Z 50V	
C4406	ECJ1VF1H104Z	C 0.1UF Z 50V	
C4412	ECJ1VF1H104Z	C 0.1UF Z 50V	
C4414	ECJ1VF1H104Z	C 0.1UF Z 50V	
C4416	ECJ1VF1H104Z	C 0.1UF Z 50V	
C4418	ECJ1VF1H104Z	C 0.1UF Z 50V	
C4420	ECJ1VF1H104Z	C 0.1UF Z 50V	
C4421	ECJ1VF1H104Z	C 0.1UF Z 50V	
C4423	ECJ1VF1H104Z	C 0.1UF Z 50V	
C4424	ECJ1VF1H104Z	C 0.1UF Z 50V	

Ref. No.	Part No.	Part Name & Description	Remarks
C4425	ECJ1VF1H104Z	C 0.1UF Z 50V	
C4426	ECJ1VB1C104K	C 0.1UF K 16V	
C4428	ECJ1VB1C223K	C 0.022UF K 16V	
C4432	ECJ1VB1C563K	C 0.056UF K 16V	
C4433	ECJ2VB0J335K	C 3.3UF K 10V	
C4434	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4435	ECJ1VB1H103K	C 0.01UF K 50V	
C4436	ECJ1VC1H151J	C 150PF J 50V	
C4437	ECJ1VB1C563K	C 0.056UF K 16V	
C4438	ECJ1VC1H471J	C 470PF J 50V	
C4439	MCJ2VB1H272K	C 2700PF K 50V	
C4440	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4442	MCJ2VF1H103Z	C 0.01UF Z 50V	
C4443	ECJ1VB1H103K	C 0.01UF K 50V	
C4444	ECJ1VB1C393K	C 0.039UF K 16V	
C4445	ECJ1VB1C104K	C 0.1UF K 16V	
C4447	ECJ1VB1H103K	C 0.01UF K 50V	
C4448	ECJ1VB1H103K	C 0.01UF K 50V	
C4449	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4450	ECJ1VB1C104K	C 0.1UF K 16V	
C4451	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4452	ECJ1VB0J105K	C 1UF K 6.3V	
C4453	ECJ1VB0J105K	C 1UF K 6.3V	
C4455	ECJ1VB0J105K	C 1UF K 6.3V	
C4456	ECJ1VB0J105K	C 1UF K 6.3V	
C4457	ECJ1VB1C104K	C 0.1UF K 16V	
C4458	ECJ1VB0J105K	C 1UF K 6.3V	
C4459	ECJ1VB1C104K	C 0.1UF K 16V	
C4460	ECJ1VB1C104K	C 0.1UF K 16V	
C4461	ECJ1VB1C104K	C 0.1UF K 16V	
C4464	ECJ1VB0J105K	C 1UF K 6.3V	
C4465	ECJ1VB1H103K	C 0.01UF K 50V	
C4466	ECJ1VF1A105Z	C 1UF Z 10V	
C4467	ECJ1VB1C103K	C 0.01UF K 16V	
C4468	ECJ1VB1H103K	C 0.01UF K 50V	
C4469	ECJ1VB0J105K	C 1UF K 6.3V	
C4471	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4472	EEHBA1A330R	E 33UF 10V	
C4473	F2H0G221A005	E 220UF 50V	
C4474	ECJ2FB0J225K	C 2.2UF 6.3V	
C4475	ECJ1VC1H471J	C 470PF J 50V	
C4482	ECJ1VB0J105K	C 1UF K 6.3V	
C4485	ECJ1VB0J105K	C 1UF K 6.3V	
C4488	ECJ1VB0J105K	C 1UF K 6.3V	
C4493	ECJ1VB0J105K	C 1UF K 6.3V	
C4494	ECJ1VB0J105K	C 1UF K 6.3V	
C4495	ECJ1VC1H471J	C 470PF J 50V	
C4496	ECJ1VC1H121J	C 120PF J 50V	
C4498	ECJ1VB0J105K	C 1UF K 6.3V	
C4500	ECJ1VB0J105K	C 1UF K 6.3V	
C4501	ECJ1VC1H390J	C 39PF J 50V	
C4502	ECJ1VC1H390J	C 39PF J 50V	
C4504	ECJ1VC1H390J	C 39PF J 50V	
C4505	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4506	ECJ1VC1H102J	C 1000PF J 50V	
C4507	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4508	ECJ1VC1H102J	C 1000PF J 50V	
C4509	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4510	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4511	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4512	ECJ1VC1H102J	C 1000PF J 50V	
C4513	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4514	ECJ1VC1H102J	C 1000PF J 50V	
C4515	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4517	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4518	ECJ1VB0J105K	C 1UF K 6.3V	
C4519	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4520	ECJ1VB1C104K	C 0.1UF K 16V	
C4524	ECJ3YB0J106K	C 10UF K 6.2V	
C4525	ECJ3YB0J106K	C 10UF K 6.2V	
C4531	ECJ1VC1H102J	C 1000PF J 50V	
C4532	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4533	ECJ1VC1H102J	C 1000PF J 50V	

Ref. No.	Part No.	Part Name & Description	Remarks
C4534	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4535	ECJ1VC1H102J	C 1000PF J 50V	
C4536	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4539	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4540	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4543	ECJ1VC1H102J	C 1000PF J 50V	
C4545	ECJ1VC1H102J	C 1000PF J 50V	
C4546	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4547	ECJ1VC1H102J	C 1000PF J 50V	
C4548	ECJ1VC1H102J	C 1000PF J 50V	
C4549	ECJ1VC1H102J	C 1000PF J 50V	
C4552	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4553	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4554	ECJ1VC1H102J	C 1000PF J 50V	
C4555	ECJ1VC1H102J	C 1000PF J 50V	
C4556	ECJ1VB1C104K	C 0.1UF K 16V	
C4557	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4558	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4566	ECJ1VB1H103K	C 0.01UF K 50V	
C4567	ECJ1VB1C103K	C 0.01UF K 16V	
C4568	ECJ1VB0J105K	C 1UF K 6.3V	
C4569	ECJ1VF1A105Z	C 1UF Z 10V	
C4570	ECJ1VB1H103K	C 0.01UF K 50V	
C4571	ECJ1VB1C103K	C 0.01UF K 16V	
C4572	ECJ1VF1A105Z	C 1UF Z 10V	
C4573	ECJ1VB1H103K	C 0.01UF K 50V	
C4574	ECJ1VB0J105K	C 1UF K 6.3V	
C4575	ECJ1VB1H103K	C 0.01UF K 50V	
C4576	ECJ1VB1H103K	C 0.01UF K 50V	
C4577	ECJ1VB0J105K	C 1UF K 6.3V	
C4578	ECJ1VB1H103K	C 0.01UF K 50V	
C4579	ECJ1VF1A105Z	C 1UF Z 10V	
C4580	ECJ1VB1C103K	C 0.01UF K 16V	
C4581	ECJ1VB1C104K	C 0.1UF K 16V	
C4582	ECJ1VB0J105K	C 1UF K 6.3V	
C4583	ECJ1VB0J105K	C 1UF K 6.3V	
C4584	ECJ1VB1C104K	C 0.1UF K 16V	
C4585	ECJ1VB0J105K	C 1UF K 6.3V	
C4586	ECJ1VB0J105K	C 1UF K 6.3V	
C4587	ECJ1VB0J105K	C 1UF K 6.3V	
C4588	ECJ1VB0J105K	C 1UF K 6.3V	
C4589	ECJ1VB1C104K	C 0.1UF K 16V	
C4590	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4591	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4592	ECJ1VB1C104K	C 0.1UF K 16V	
C4593	ECJ1VB0J105K	C 1UF K 6.3V	
C4594	ECJ1VB0J105K	C 1UF K 6.3V	
C4595	ECJ1VB0J105K	C 1UF K 6.3V	
C4596	ECJ1VB0J105K	C 1UF K 6.3V	
C4597	ECJ1VB0J105K	C 1UF K 6.3V	
C4598	ECJ1VB0J105K	C 1UF K 6.3V	
C4600	ECJ1VB0J105K	C 1UF K 6.3V	
C4601	ECJ1VB1H103K	C 0.01UF K 50V	
C4602	ECJ1VB0J105K	C 1UF K 6.3V	
C4603	ECJ1VB0J105K	C 1UF K 6.3V	
C4606	EEFUD0J101R	E 100UF 6.3V	
C4607	EEFCD0G560R	E 56UF 50V	
C4611	F2H1C220A009	E 22UF 16V	
C4612	F2H1C100A009	E 10UF 16V	
C4613	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4614	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4617	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4618	ECJ1VF1C104Z	C 0.1UF Z 16V	
C4625	ECJ1VC1H102J	C 1000PF J 50V	
C4626	ECJ1VF1C104Z	C 0.1UF Z 16V	
C7001	MCJ2VB1H681K	C 680PF K 50V	
C7002	MCJ2VB1H681K	C 680PF K 50V	
C7003	MCJ2VB1H681K	C 680PF K 50V	
C7004	MCJ2VB1H681K	C 680PF K 50V	
C7005	MCJ2VB1H681K	C 680PF K 50V	
C7006	MCJ2VB1H681K	C 680PF K 50V	
C7007	TKP101M1VE11	E 100UF 35V	
C7008	TKP101M1VE11	E 100UF 35V	

Ref. No.	Part No.	Part Name & Description	Remarks
C7009	TKP101M1VE11	E 100UF 35V	
C7010	TKP101M1VE11	E 100UF 35V	
C7011	MCJ2VB1H103K	C 0.01UF K 50V	
C7012	MCJ2VB1H103K	C 0.01UF K 50V	
C7013	MCJ2VB1H103K	C 0.01UF K 50V	
C7014	MCJ2VB1H103K	C 0.01UF K 50V	
C7015	MCJ2VB1H103K	C 0.01UF K 50V	
C7016	ECJ2VC1H220J	C 22PF J 50V	
C7017	ECJ2VC1H220J	C 22PF J 50V	
C7018	ECJ2VC1H220J	C 22PF J 50V	
C7019	ECJ2VC1H220J	C 22PF J 50V	
C7020	ECJ2VC1H220J	C 22PF J 50V	
C7021	ECJ2VC1H220J	C 22PF J 50V	
C7022	ECJ2VC1H102J	C 1000PF J 50V	
C7023	ECJ2VC1H102J	C 1000PF J 50V	
C7024	ECJ2VC1H102J	C 1000PF J 50V	
C7025	ECJ2VC1H102J	C 1000PF J 50V	
C7026	ECJ2VC1H102J	C 1000PF J 50V	
C7027	ECJ2VC1H102J	C 1000PF J 50V	
C7101	ECJ1VF1H104Z	C 0.1UF Z 50V	
C7102	ECJ1VF1H104Z	C 0.1UF Z 50V	
C7103	ECJ1VF1H104Z	C 0.1UF Z 50V	
C7104	ECJ1VB1C224K	C 0.22UF K 16V	
C7105	ECJ1VF1C105Z	C 1UF Z 16V	
C7106	ECJ3YB0J475K	C 4.7UF K 6.3V	
C7107	F2H0G101A005	E 100UF 50V	
C7108	ECJ1VF1H103Z	C 0.01UF Z 50V	
C7109	ECJ3YB0J475K	C 4.7UF K 6.3V	
C7110	ECJ1VF1H104Z	C 0.1UF Z 50V	
C7111	ECJ1VF1H104Z	C 0.1UF Z 50V	
C7112	ECJ3YB0J475K	C 4.7UF K 6.3V	
C7113	ECJ1VF1H103Z	C 0.01UF Z 50V	
C7114	ECJ1VF1H104Z	C 0.1UF Z 50V	
C7116	ECJ1VF1H103Z	C 0.01UF Z 50V	
C7117	ECJ1VF1H104Z	C 0.1UF Z 50V	
C7118	ECJ2VC1H680J	C 68PF J 50V	
C7119	ECJ2VC1H101J	C 100PF J 50V	
C7120	ECJ2VC1H680J	C 68PF J 50V	
C7121	ECJ1VF1H104Z	C 0.1UF Z 50V	
C7122	ECJ2VC1H561J	C 560PF J 50V	
C7123	ECJ2VC1H561J	C 560PF J 50V	
C7125	ECJ3YB0J475K	C 4.7UF K 6.3V	
C7126	ECJ2VC1H821J	C 820PF J 50V	
C7128	ECJ1VF1H104Z	C 0.1UF Z 50V	
C7130	ECJ1VF1H104Z	C 0.1UF Z 50V	
C7132	ECJ1VF1H104Z	C 0.1UF Z 50V	
C7133	ECJ1VF1H104Z	C 0.1UF Z 50V	
C7135	ECJ2FB1A105K	C 1UF 16V	
C7136	ECJ3YB0J475K	C 4.7UF K 6.3V	
C7137	ECJ1VF1H104Z	C 0.1UF Z 50V	
C7138	ECJ1VF1H104Z	C 0.1UF Z 50V	
C7139	ECJ1VF1H104Z	C 0.1UF Z 50V	
C7140	ECJ3YB0J475K	C 4.7UF K 6.3V	
C7141	ECJ1VF1H103Z	C 0.01UF Z 50V	
C7142	ECJ1VF1H104Z	C 0.1UF Z 50V	
C7143	ECJ1VF1H103Z	C 0.01UF Z 50V	
C7144	ECJ3YB0J475K	C 4.7UF K 6.3V	
C7145	ECJ1VF1H104Z	C 0.1UF Z 50V	
C7146	ECJ1VF1H104Z	C 0.1UF Z 50V	
C7147	ECJ1VF1H104Z	C 0.1UF Z 50V	
C7148	ECJ1VF1H104Z	C 0.1UF Z 50V	
C7149	ECJ2VC1H561J	C 560PF J 50V	
C7150	ECJ3YB0J475K	C 4.7UF K 6.3V	
C7151	ECJ2VC1H561J	C 560PF J 50V	
C7152	ECJ2VC1H561J	C 560PF J 50V	
C7153	ECJ2VC1H561J	C 560PF J 50V	
C7154	ECJ1VF1H104Z	C 0.1UF Z 50V	
C7155	ECJ2VC1H680J	C 68PF J 50V	
C7156	ECJ2VC1H680J	C 68PF J 50V	
C7157	ECJ2VC1H680J	C 68PF J 50V	
C7158	ECJ2VC1H680J	C 68PF J 50V	
C7159	ECJ1VF1H104Z	C 0.1UF Z 50V	
C7160	ECJ3YB0J475K	C 4.7UF K 6.3V	

Ref. No.	Part No.	Part Name & Description	Remarks
C7161	ECJ1VF1H104Z	C 0.1UF Z 50V	
C7162	ECJ1VF1H104Z	C 0.1UF Z 50V	
C7163	ECJ1VF1H103Z	C 0.01UF Z 50V	
C7164	ECJ2VC1H681J	C 680PF J 50V	
C7165	ECJ1VF1H104Z	C 0.1UF Z 50V	
C7166	ECJ2VC1H681J	C 680PF J 50V	
C7169	ECJ2VC1H681J	C 680PF J 50V	
C7170	ECJ1VF1H104Z	C 0.1UF Z 50V	
C7171	ECJ2VC1H681J	C 680PF J 50V	
C7172	ECJ2VC1H681J	C 680PF J 50V	
C7173	ECJ2VC1H681J	C 680PF J 50V	
C7174	ECJ1VC1H681J	C 680PF J 50V	
C7175	EEH1B1C221UP	220UF J 16V	
C7176	EEH1B1C221UP	220UF J 16V	
C7177	ECJ1VF1C105Z	C 1UF Z 16V	
C7178	ECJ1VF1C105Z	C 1UF Z 16V	
C7179	F2H0G101A005	E 100UF 50V	
C7183	F2H1C470A009	E 47UF 16V	
C7185	ECJ1VF1H104Z	C 0.1UF Z 50V	
C7186	ECJ1VF1H104Z	C 0.1UF Z 50V	
C7197	ECJ2VB1C104K	C 0.1UF K 16V	
C7199	MCJ2VF1H103Z	C 0.01UF Z 50V	
C7200	ECJ2VB1C104K	C 0.1UF K 16V	
C7300	MCJ2VF1H103Z	C 0.01UF Z 50V	
C7301	SKP101M1CD11	E 100UF 16V	
C7304	ECJ2VC1H221J	C 220PF J 50V	
C7305	MCJ2VB1H222K	C 2200PF K 50V	
C7704	ECJ2VF1C105Z	C 1UF Z 16V	
C7705	ECJ2VF1C105Z	C 1UF Z 16V	
C7706	ECJ2VF1C105Z	C 1UF Z 16V	
C7707	ECJ1VB1C104K	C 0.1UF K 16V	
C7708	ECJ2VF1C104Z	C 0.1UF Z 16V	
C7709	F2H1C470A009	E 47UF 16V	
C7710	ECJ1VF1C104Z	C 0.1UF Z 16V	
C7712	ECJ1VB1H471K	C 470PF K 50V	
C7713	ECJ2VF1C105Z	C 1UF Z 16V	
C7714	ECJ2VC1H560J	C 56PF J 50V (TX-43/51P950X)	
C7715	ECJ2VF1C105Z	C 1UF Z 16V	
C7716	ECJ2VC1H560J	C 56PF J 50V (TX-43/51P950X)	
C7717	ECJ2VF1C105Z	C 1UF Z 16V	
C7718	ECJ2VC1H560J	C 56PF J 50V (TX-43/51P950X)	
C7719	ECJ2VF1C105Z	C 1UF Z 16V	
C7720	ECJ2VF1C105Z	C 1UF Z 16V	
C7721	ECJ2VF1C105Z	C 1UF Z 16V	
C7722	ECJ2VB1C104K	C 0.1UF K 16V	
C7723	ECJ1VF1A105Z	C 1UF Z 10V	
C7724	ECJ2VC1H681J	C 680PF J 50V	
C7725	F2H0J101A010	E 100UF 6.3V	
C7726	ECJ1VB1H103K	C 0.01UF K 50V	
C7770	ECQB1H181JF3	P 180PF J 50V	
C7780	ECQB1H271JF3	P 270PF J 50V	
C7790	ECQB1H221JF3	P 220PF K 50V	
C7791	F1B1H1030003	C 1000PF 50V	
C7792	F1B1H1030003	C 1000PF 50V	
C9601	F1B1H4710002	C 470PF 50V	
C9602	NKP101M1EF11	E 100UF 25V	
C9603	SKP101M1CD11	E 100UF 16V	
C9604	ECQB1H223JF3	P 0.022UF K 50V	
C9605	ECWH16473JV6	P 0.047F J 1.6KV	
C9606	SKP470M1VD11	E 47UF 35V	
C9607	F1B1H1030003	C 1000PF 50V	
C9608	F1B1H2210001	C 220PF 50V	
C9609	NE1HHW220B	E 22 UF 50V	
SW840	ESB92S11B	SWITCH	△
SW1003	EVQ23405R	SWITCH	
SW1004	EVQ23405R	SWITCH	
SW1005	EVQ23405R	SWITCH	
SW1006	EVQ23405R	SWITCH	
SW1007	EVQ23405R	SWITCH	

Ref. No.	Part No.	Part Name & Description	Remarks
LF801	ELF24V018A	FILTER	
LF870	ELF24V018A	FILTER or LCL-35-001	△
LF872	ELF24V018A	FILTER or LCL-35-001	△
X1101	H0J600400006	CRYSTAL OSCILLATOR	△
X2000	ZBCT-0108-02	CRYSTAL OSCILLATOR	△
X4201	H0J202500011	CRYSTAL OSCILLATOR or H0J202500002	△
F801	K5D502BK0003	FUSE	△
F801-1	EYF52BC/L	FUSE HOLDER	
F801-2	EYF52BC/L	FUSE HOLDER	
JK3102	TJB0A639	REAR AV TERMINAL	
JK3201	TJB0A649	FRONT AV TERMINAL	
RL801	K6B1ADA00010	RELAY	△
RM1001	B3RAD0000082	REMOTE CONTROLL RECEIVER	
SC351	GZS10-2-AC3	CRT SOCKET	△
SC371	GZS10-2-AC3	CRT SOCKET	△
SC391	GZS10-2-AC3	CRT SOCKET	△
TU1	ENG39A02GF	TUNER	△
A1	K1KA16A00119	CONNECTOR	
A2	K1KA16A00119	CONNECTOR	
A3	K1KA16A00119	CONNECTOR	
A4	K1KB35BA0023	CONNECTOR	
A5	K1KB50AA0079	CONNECTOR	
A16	K1KA04AA0334	CONNECTOR	
A17	K1KA06AA0334	CONNECTOR	
A20	K1KA07AA0334	CONNECTOR	
A21	K1KA10AA0031	CONNECTOR	
A22	K1KA10AA0031	CONNECTOR	
A23	K1KA10AA0031	CONNECTOR	
A32	K1KA02A00626	CONNECTOR	
A60	K1KA04AA0334	CONNECTOR	
A61	K1KA04AA0334	CONNECTOR	
A62	K1KA04AA0334	CONNECTOR	
D1	K1KB16AA0064	CONNECTOR	
D2	K1KB16AA0064	CONNECTOR	
D3	K1KB16AA0064	CONNECTOR	
D4	K1KA03AA0334	CONNECTOR	
D5	K1KA08AA0334	CONNECTOR	
D8	K1KA06AA0334	CONNECTOR	
D20	K1KA02A00613	CONNECTOR	
D21	K1KA02A00626	CONNECTOR	
D40	K1KA03AA0334	CONNECTOR	
DC1	K1KB10B00042	CONNECTOR	
DC2	K1KB10B00042	CONNECTOR	
DC3	K1KB10B00042	CONNECTOR	
DG1	K1KB65BA0023	CONNECTOR	
DG2	K1KA11AA0146	CONNECTOR	
DG3	K1KA35BA0137	CONNECTOR	
DG4	K1KA50BA0137	CONNECTOR	
DG5	K1KA08AA0150	CONNECTOR	
GK1	K1KA04A00499	CONNECTOR	
GK2	K1KA06AA0334	CONNECTOR	
GK3	K1KA08AA0334	CONNECTOR	
GK4	K1KA02AA0334	CONNECTOR	
GK5	K1KA06AA0334	CONNECTOR	
GK6	K1KA07AA0334	CONNECTOR	
GK7	K1KA04AA0334	CONNECTOR	
H1	K1KA65BA0138	CONNECTOR	
H2	K1KA09AA0334	CONNECTOR	
KA1	K1KA02BA0055	CONNECTOR	
LB1	K1KA10AA0334	CONNECTOR	
LB2	K1KA03AA0334	CONNECTOR	
LG1	K1KA07AA0334	CONNECTOR	
LG2	K1KA08AA0334	CONNECTOR	
LG3	K1KA11AA0334	CONNECTOR	
LG4	K1KA10AA0334	CONNECTOR	
LG5	K1KA03AA0334	CONNECTOR	
LG6	K1KA03AA0334	CONNECTOR	
LG7	K1KA03AA0334	CONNECTOR	
LR1	K1KA11AA0334	CONNECTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
LR2	K1KA03AA0334	CONNECTOR	
	TNPA3390AD	PCB LR	△
	TNPA3391AD	PCB LG	△
	TNPA3392AE	PCB LB(TX-43P950M/X)	△
	TNPA3392AF	PCB LB(TX-51P950M/X)	△
	TNPA3575AB	PCB DG(TX-43/51P950X)	△
	TNPA3575AE	PCB DG(TX-43/51P950M)	△
	TNPA3576AB	PCB H	△
	TNPA3577	PCB GK	△
	TNPA3578	PCB KA	△
	TNPA3616	PCB DC	△
	TNPH0624AD	PCB D(TX-43P950M/X)	△
	TNPH0624AE	PCB D(TX-51P950M/X)	△
	TNPH0625AH	PCB A(TX-43P950M)	△
	TNPH0625AJ	PCB A(TX-43P950X)	△
	TNPH0625AF	PCB A(TX-51P950M)	△
	TNPH0625AG	PCB A(TX-51P950X)	△