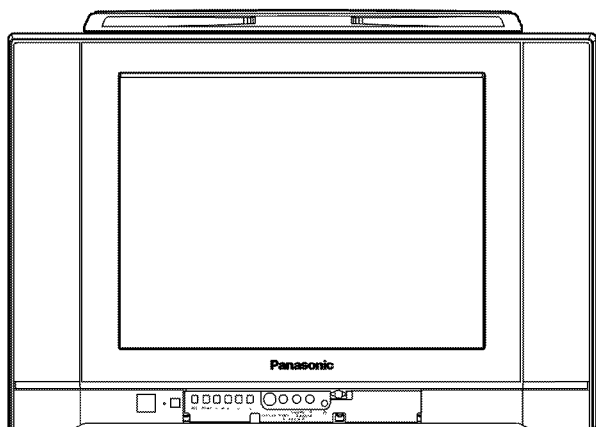


Service Manual

Colour Television



TX-21PS77X

MX-10 Chassis

Specifications

Power Source :	AC AUTO 110-240V, 50/60 Hz
Power Consumption :	116W
Aerial Impedance :	75Ω unbalanced Coaxial type
Receiving System :	17 Systems
Receiving Channels :	
VHF	1-11 PAL B (Australia & N.Zealand) 1-12 PAL/SECAM D 1-12 NTSC M JAPAN 2-12 PAL/SECAM B, G 2-13 NTSC M U.S.A.
UHF	21-69 PAL G I/SECAM B, G, K1 28-69 PAL G (Australia) 13-56 PAL D 13-52 NTSC M JAPAN 14-69 NTSC NTSC M U.S.A.
CATV	S1-S41 (Hyper)
Intermediate Frequency :	
Video	38.0 MHz
Sound	31.5 MHz (D, K, K1) 32 MHz (I) 32.5 MHz (B, G) 33.5 MHz (M)

Colour	33.57 MHz (PAL) 33.6 MHz (SECAM) 33.75 MHz (SECAM) 34.42 MHz (NTSC)
--------	--

Video / Audio Terminals :

RAV In	Video In 1 Vp-p 75Ω Audio In Approx. 400mVrms
Monitor Out	Video Out 1 Vp-p 75Ω Audio Out Approx. 400mVrms

High Voltage :	27.5kV ±1.0 at zero beam current
Picture Tube :	A51LXR195X 51cm (21 inches) Measured diagonally, 90° deflection

Audio Output :	16.0W
3D Woofer :	14.0W

Dimensions :	Height : 487.0 mm Width : 682.0 mm Depth : 484.0 mm
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Mass :	27.0 kg (Net Wt.)
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Specifications are subject to change without notice.
Mass 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 this 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 cord outlet.
5. Potential, as high as **26.5kV** is present when this receiver is in operation. Operation of the receiver without the rear cover involves the danger of a shock hazard from the receiver 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 picture tube to the receiver chassis before handling the tube. 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 receiver's power switch.
Measure the resistance value, with an ohmmeter, between the jumper AC plug and each exposed metallic cabinet part on the receiver, such as screw heads, aerials, 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 infinite.

1.3. Leakage Current Hot Check (Fig. 1)

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Check a 2 k Ω non-inductive resistor and an AC/DC current meter, in series with each exposed metallic part on the receiver in turn and an earth such as a water pipe.

The current from any point should not exceed 0.7 mA peak AC or 2 mA DC. In the case of a measurement being outside of these limits specified, there is a possibility of a shock hazard and the receiver should be repaired and rechecked before it is returned to the customer.

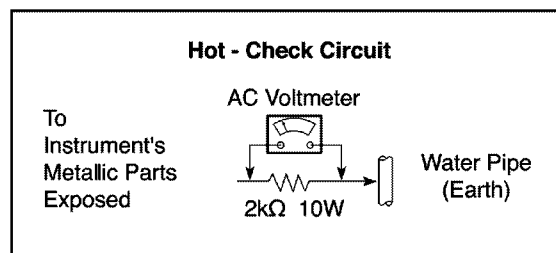


Fig. 1

1.4. X-Radiation

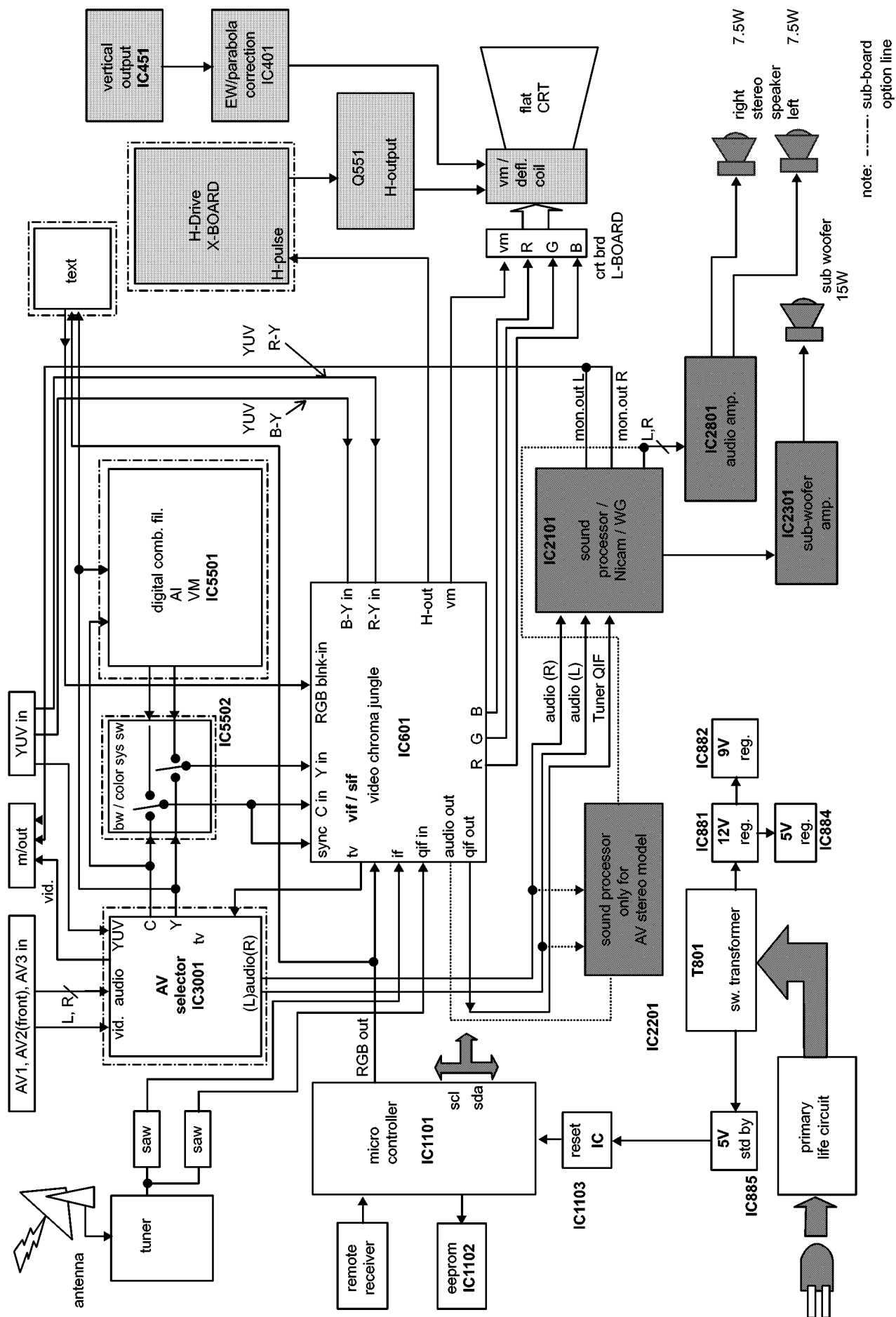
Warning:

The potential sources of X-Radiation in TV set are the EHT section and the picture tube. When using a picture tube test jig for service, ensure that jig is capable of handling **28.5kV** without causing X-Radiation.

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

1. Set the brightness to minimum.
2. Use the remocon to get into Service Mode.
3. Measure the EHT. The meter reading should indicate **27.5 $\pm$ 1.0kV**. 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 the possibility X-Radiation, it is essential to use the specified picture tube, if service replacement becomes necessary.

1.5. MX-10 Chassis Block Diagram



2 Service Hints

2.1. Service Position for E-Board

1. Remove the back cover.
2. Stand the TV set as shown in Fig. 2.
3. Remove the A-Board from the TV set by pulling the main board out as shown in Figure 2.

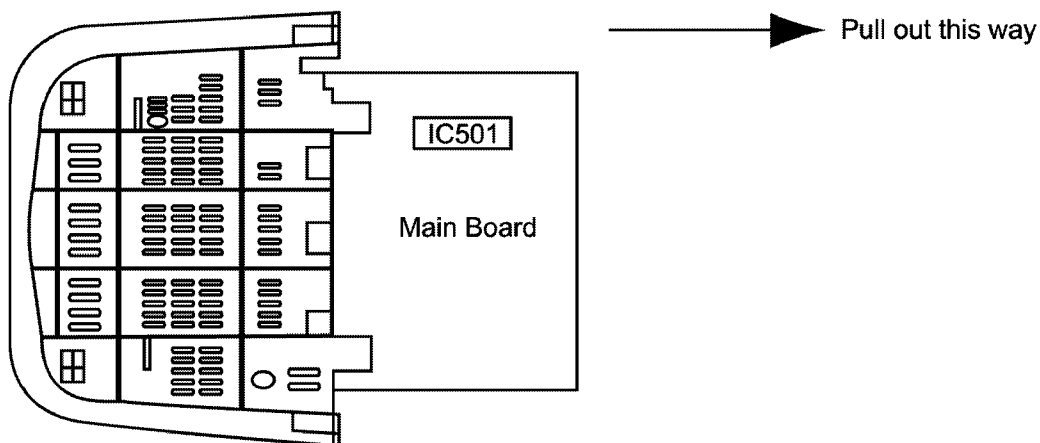


Fig. 2

2.2. Factory Mode Adjustment

How to set :

To set the Factory mode, press Volume 0 on the TV and Timer Setting 30 min. on the remote control and press Volume (-) Down button on the TV together press recall on the remote control.

CHK should appear on right of TV screen.

To move from CHK1 to CHK2 mode, etc. please follow below rotation :

To Set Self-Check :

Press the Volume Down button on TV then press the Off Timer button on remote control.

CHK1 -----> CHK2 -----> CHK3 -----> CHK4 -----> CHK1

←----- "1" ←----- "1" ←----- "1" ←----- "1"

2.3. Adjustment for White Balance

Preparation:

1. Receive the white balance pattern and aging should have been performed over 30 minutes.
2. Set the picture menu to DYNAMIC NORMAL.
3. Degauss the CRT face.
4. Fix the CRT colour analyzer receiver unit to CRT face.

Adjustment of Low Light.

1. Adjustment Sub Bright, so that $Y = 6.5 \pm 1.0$ nit.
2. Adjustment R-CUT OFF, so that $X = 0.243 \pm 0.010$ nit.
3. Adjustment G-CUT OFF, so that $Y = 0.255 \pm 0.010$ nit.

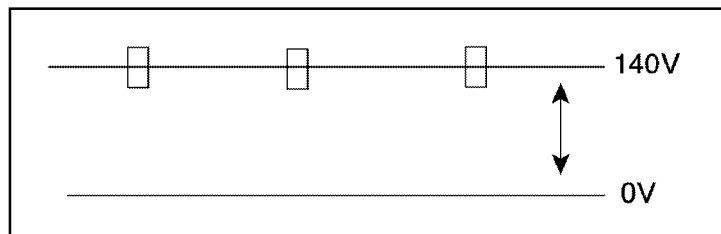
Adjustment of High Light

1. Adjustment Sub Bright, so that $Y = 245$ nit.
2. Adjustment R-Drive, so that $X = 0.260 \pm 0.010$ nit.
3. Adjustment B-Drive, so that $Y = 0.265 \pm 0.010$ nit.

2.4. Adjustment for CRT CUT OFF

Preparation:

1. Connect the oscilloscope probe to TPL6.
2. Screen VR min.
3. Set the data Sub Bright, Bright.
4. In service Mode at "Bright" dac press [5] in factory mode to enter vertical line and adjust by volume down or up button.
5. Adjust "Screen VR" until 1-H Line appears.



2.5. Adjustment Procedure

Item / Preparation	Adjustment Procedure
+B Voltage 1. Operate the TV set. 2. Set control as follows : Brightness minimum Contrast minimum	Confirm the DC voltage at the indicated test points, as follows : TPA 140 : $141.0 \pm 2.0V$ TPA 12 : $12.0 \pm 1.0V$ TPA 9 : $9 \pm 1.0V$ TPA 05 & 32 : $5 \pm 1.0V$ TPA 220 : $220 \pm 15.0V$
RF AGC 1. Receive a colour bar signal at an RF level of 66 +1-2 dBu with 75 Ω loaded. 2. Connect digital multimeter to RF AGC at Tuner.	1. Select "RF AGC" indication in CHK2, on Screen by remote control at factory mode. 2. Set RF AGC by using remote control Volume (+) or Volume (-) button until voltage AGC at Tuner reaches $2.6 \pm 0.1V$ at TPA 20 (Tuner point). 3. Increase RF signal strength by 2dB, confirm AGC at Tuner voltage drop.
High Voltage 1. Receive the crosshatch pattern. 2. Set to 0 Beam. Screen VR minimum Contrast minimum	1. Connect a DC voltage meter to TPA 140 and confirm the +B voltage is $141.0 \pm 2.0V$. 2. Connect a high frequency voltmeter to heater and confirm that voltage reads 6.3 ± 0.24 (VRMS). 3. Normalize the brightness and contrast.
Item / Preparation	Adjustment Procedure
NTSC TINT COLOUR Connect a short jumper between TPA 40 and TPL 1. Press Main Menu and set system to use AV-NTSC (3.58 MHz). DYNAMIC Normal Channel CLR Set STD	1. Adjust Sub-Tint so that No. 2, 3 and 4 becomes level waveform is similar to Fig. 3. 2. Confirm phase at Tint is changes more than ± 30 by Tint control. 3. Confirm that colour level is maximum when colour DAC is adjusted to maximum position. Note: Use remote control only when adjusting user mode to Sub-Tint.

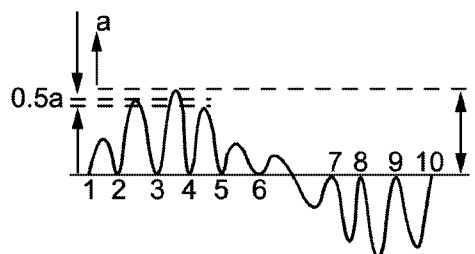


Fig. 3

2.6. PAL Colour

1. Receive the PAL B/G studio colour bar pattern and adjust local frequency at the best tuned position.
2. Pic Menu: Dynamic Normal, Confirm Contrast - 63, Sub Contrast - 21.
3. Channel colour set ----- STD
4. Connect TPA 40 or TPL 1.
5. Set (A) to $2.3 \pm 0.2V$ by BRT (CHK2) at measurement point TPL 2 Fig. 4.

2.7. Adjustment

1. Connect oscilloscope probe to TPA 40 or TPL 1 (R out) in Fig. 4 is $2.1 \pm 0.1V$.
2. Adjust "Sub Colour" so that waveform as in Fig. 4 (1) $2.2 \pm 0.1V$.
3. Connect oscilloscope probe to TPL 1 (R OUT) with $10k\Omega$ series resistor and confirm waveform as in Fig. 5 is (2) $2.7 \pm 0.4V$.
4. Take out jumper TPA 34 and TPA 32.

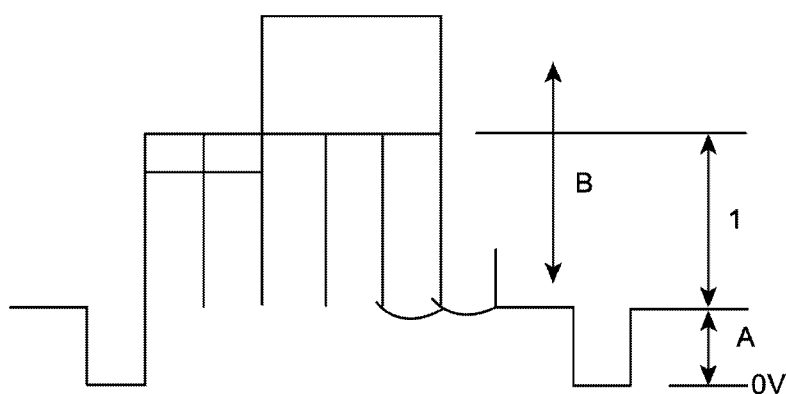


Fig. 4

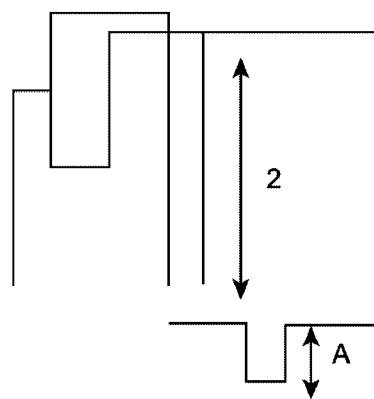


Fig. 5

Before Colour Purity, Convergence and White Balance adjustment are attempted,
V. Height, H. Centre and Focus adjustments must be completed.

Colour Purity

1. Set the Brightness and Contrast controls to their maximum positions.
2. Operate the TV set for 60 minutes.
3. Fully degauss the picture tube by using an external degaussing coil.
4. Apply a crosshatch pattern signal and adjust the static convergence magnets to the approximately correct position.
5. Receive a black and white signal.
6. Set the control as follows:
Red.....minimum
Green.....minimum
Blue.....minimum
Press the Shipping button on the remote control twice to select CRT Adjustment Mode to select low light.
7. Loosen the clamp screw for the Deflection Yoke A in Fig. 10 and move the Deflection Yoke as close to the purity magnet as possible.
8. Adjust the purity magnetic rings so that a vertical green field is obtained at the centre of the screen.

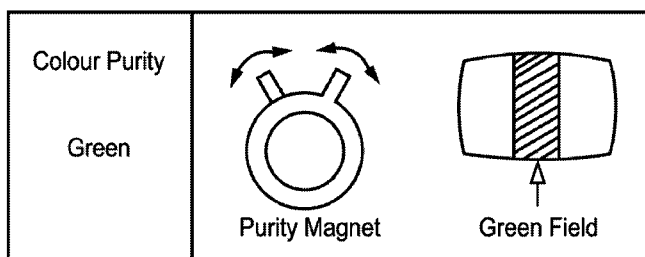


Fig. 6

9. Slowly push the Deflection Yoke and set it where a uniform green field is obtained.

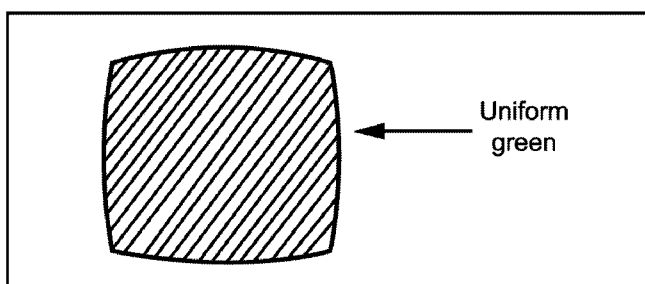


Fig. 21

10. Re-adjust the Low Light controls to their correct settings and make sure that a uniform white field is obtained.
11. Tighten the clamp screw A in Fig. 10.

Convergence

1. Apply a crosshatch pattern signal and Normalize Contrast control to the maximum positions.
2. Adjust Brightness until the grey position of the crosshatch pattern just becomes black.
3. Adjust the Red and Blue line at the centre of the screen by rotating the R-B static.

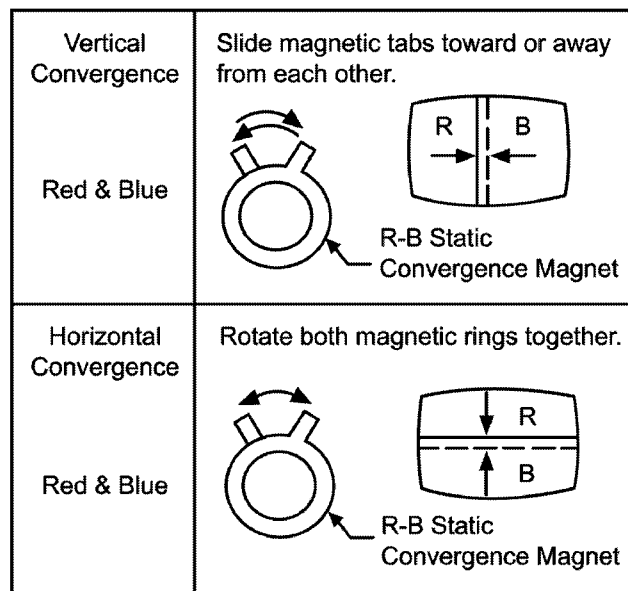


Fig. 8

4. Adjust Red and Blue with Green line at centre of the screen by rotating (RB)-G static convergence magnetic rings.
5. Lock convergence magnets with silicone sealer.
6. Remove the DY wedges and slightly tilt the Deflection Yoke vertically and horizontally to obtain the good overall convergence.

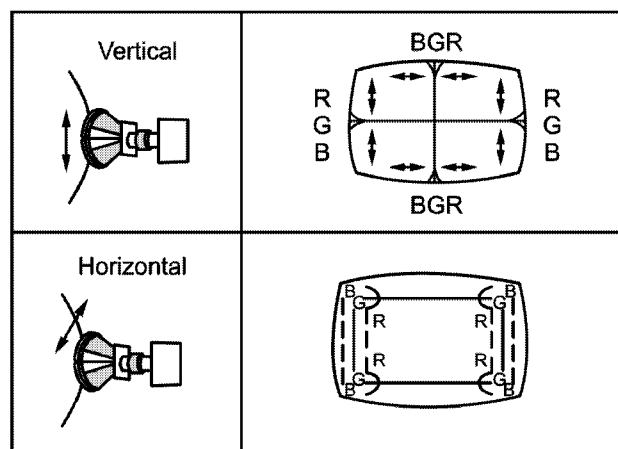


Fig. 9

7. Fix the Deflection Yoke by reinserting the DY wedges. Refer to Fig. 10.
8. If purity error is found, repeat "Colour Purity" adjustment.

Adjustment of CRT VRS

1. Preparation

- Set DY to CRT not to tilt up and down left and right deflection.
- Set CY to CRT and set CY magnet primarily (Fig. 1)
 Purity magnet : Set purity magnet that 2 magnets are (TOP POSITION)
 VRS magnet : Set purity magnet 2 magnets are (HORIZONTAL POSITION)

2. Adjustment

- Receive that Cross Hatch pattern.
- Adjust V-SHIFT -50Hz.
- Set 2 magnets of horizontal position to up and down equally so that it will be the center part of CRT. (Fig. 2)

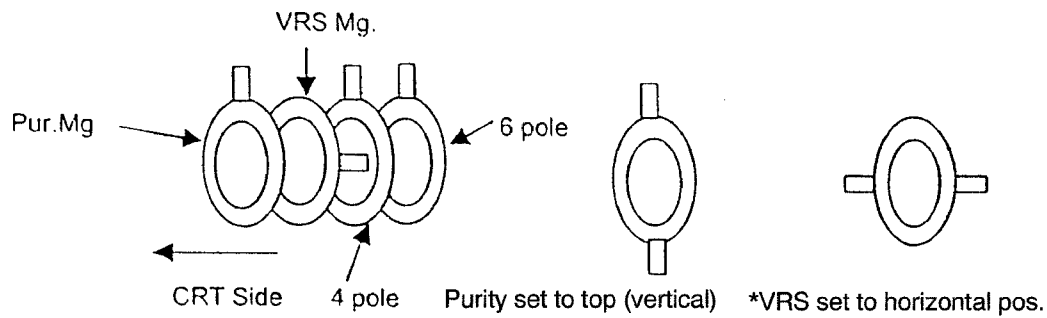
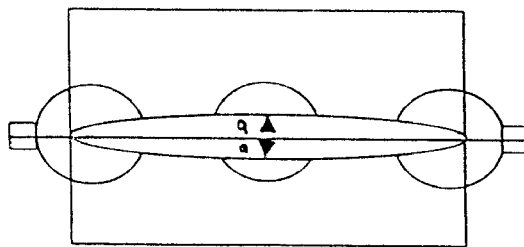


FIG. 1.



$$a \leq 0 \pm 1\text{mm}$$

FIG. 2.

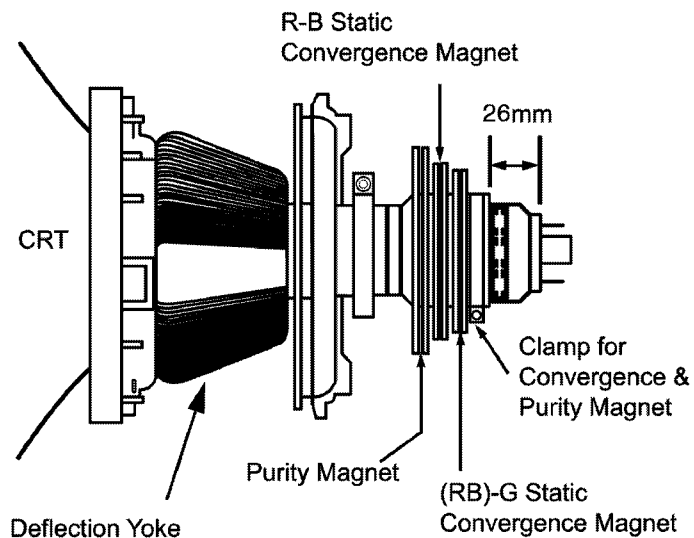


Fig. 10

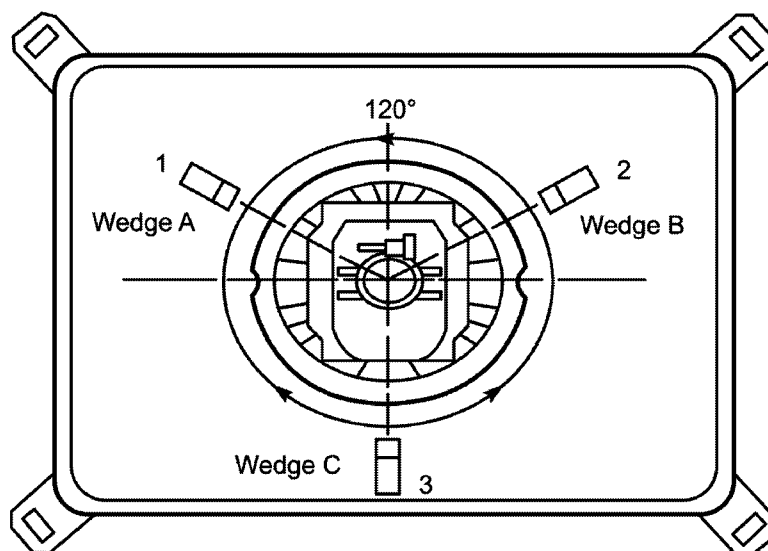
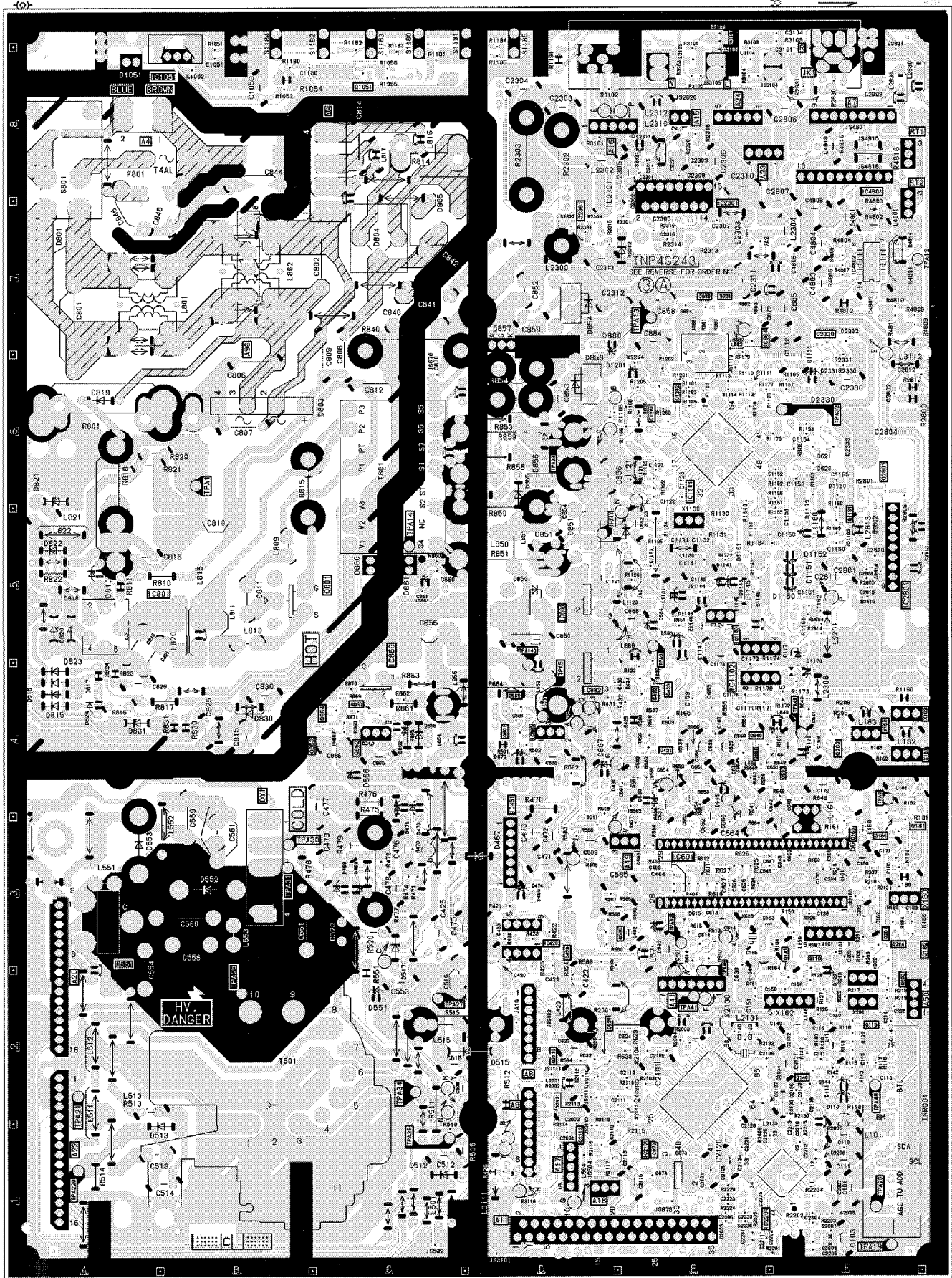


Fig. 11

Notes:

1. Wedge A, B and C should be inserted following the sequence of 1, 2 and 3 shown in Fig. 11.
2. The wedges should be set 120° apart from each other.
3. Be certain that three wedges are firmly fixed and the Deflection Yoke is tightly clamped in place. Otherwise the Deflection Yoke may shift its position and cause a loss of convergence and purity.

3 Conductor Views (TNP4G243AB)



4 Schematic Diagram

Important Safety Notice

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

Notes :

1. Resistor

All resistors are carbon 1/4W resistors unless marked as follows :

Unit of resistance is OHM (Ω) (K = 1 000 M = 1 000 000)

	Nonflammable		Metal Oxide
	Solid		Metal Film
	Wire Wound		Fuse

2. Capacitor

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

Unit of capacitance is μF unless otherwise noted.

	Temperature Compensation		Electrolytic
	Polyester		Bipolar
	Metalized Polyester		Dipped Tantalum
	Polypropylene		Z-Type

3. Coil

Unit of inductance is μH , unless otherwise noted.

4. Test Point

 : Test Point position

5. Earth Symbol

 : Chassis Earth (Cold)  : Line Earth (Hot)

6. Voltage Measurement

Voltage is measured using DC voltmeter.

Conditions of the measurement are the following :

Power Source..... AC AUTO 110-240V, 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 (↗) is found, connection is easily found from the direction of arrow.

9. ➡ : Indicates the major signal flow.

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

Remarks :

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 :

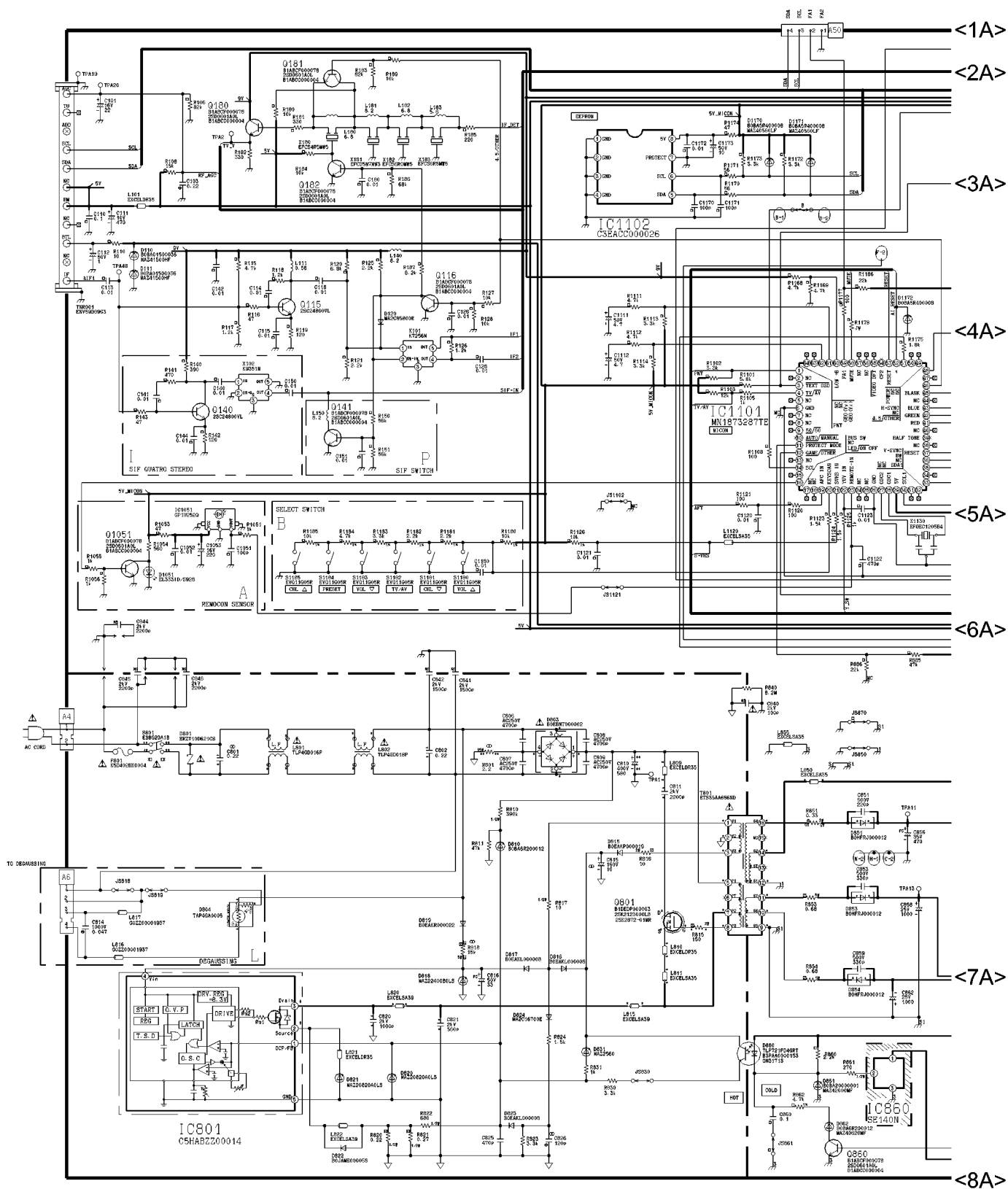
All circuits, except the Power Circuit are cold.

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 be blown.
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.

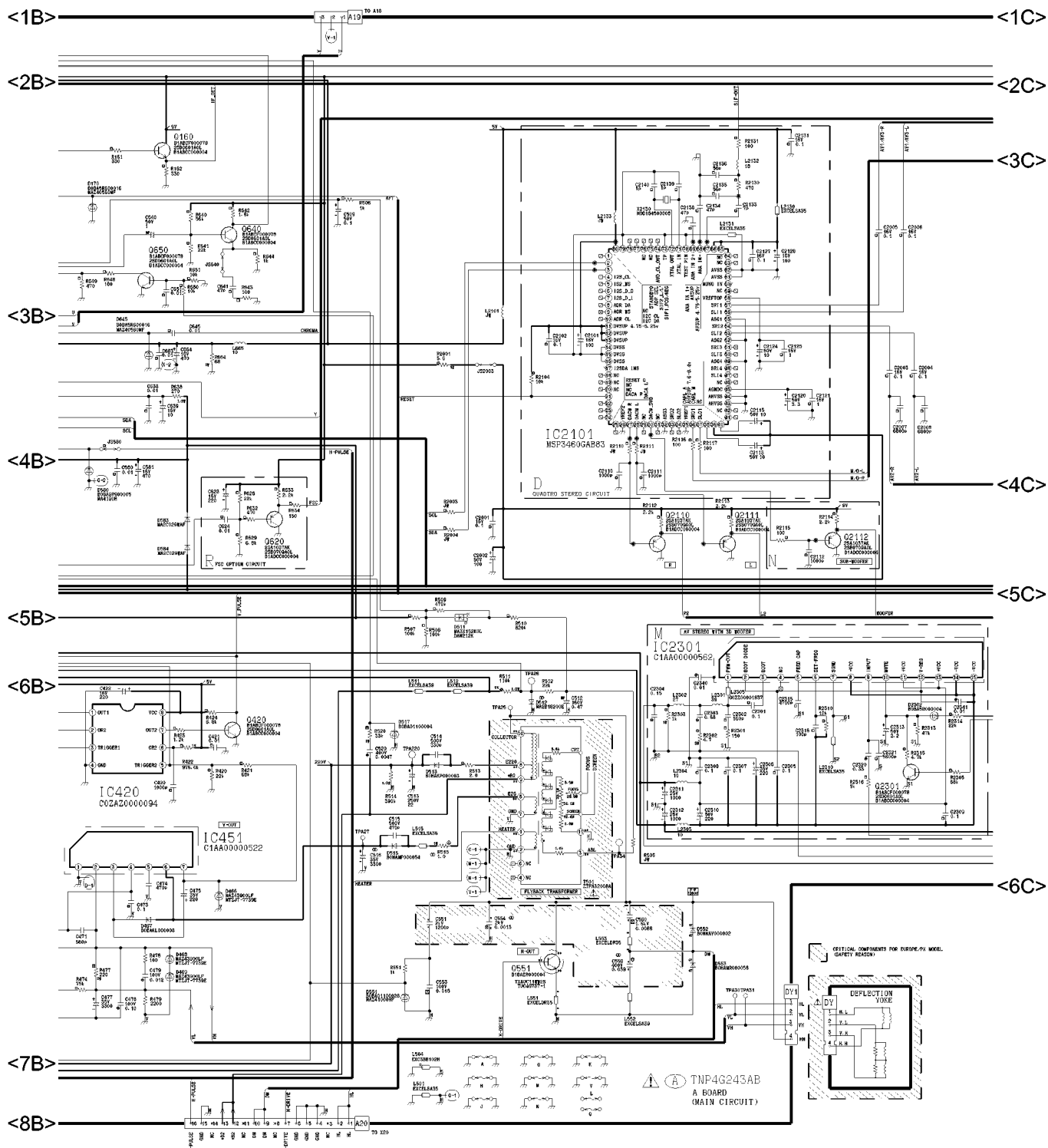
4.1. A BOARD

4.1.1. A BOARD (1/4)

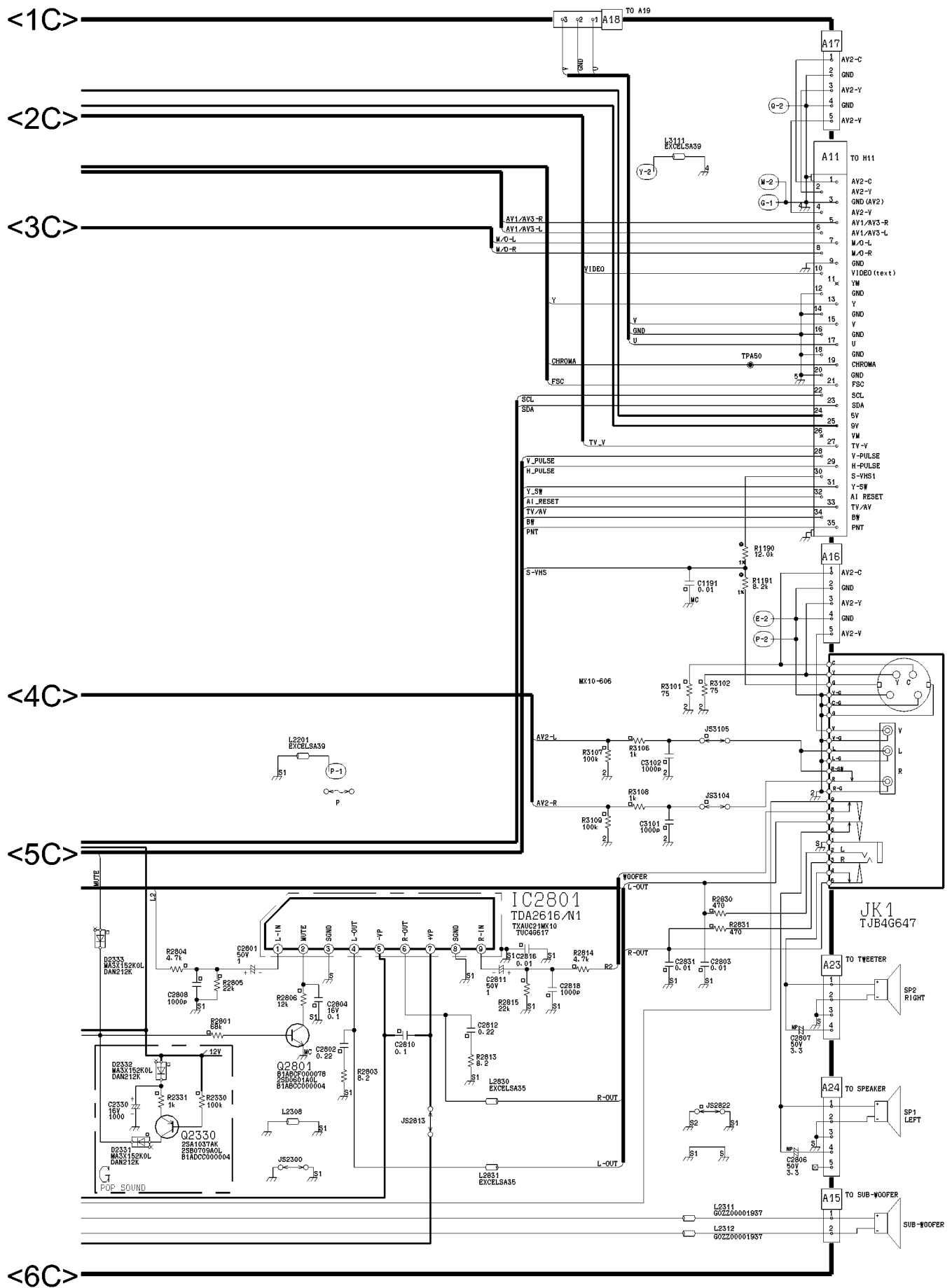




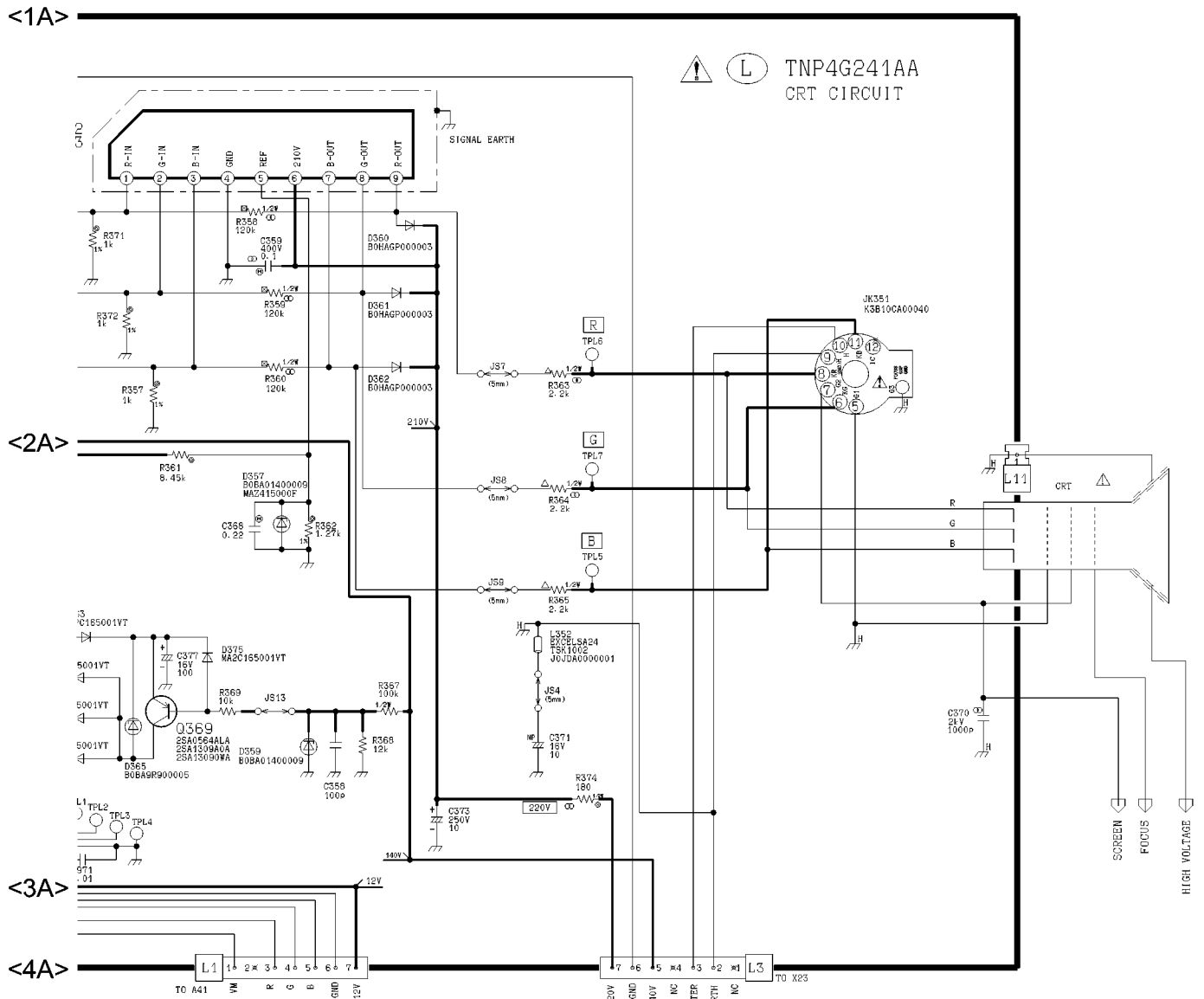
4.1.3. A BOARD (3/4)



4.1.4. A BOARD (4/4)



4.2.2. L BOARD (2/2)



4.3.2. H BOARD (2/2)

<1A>

<2A>

<3A>

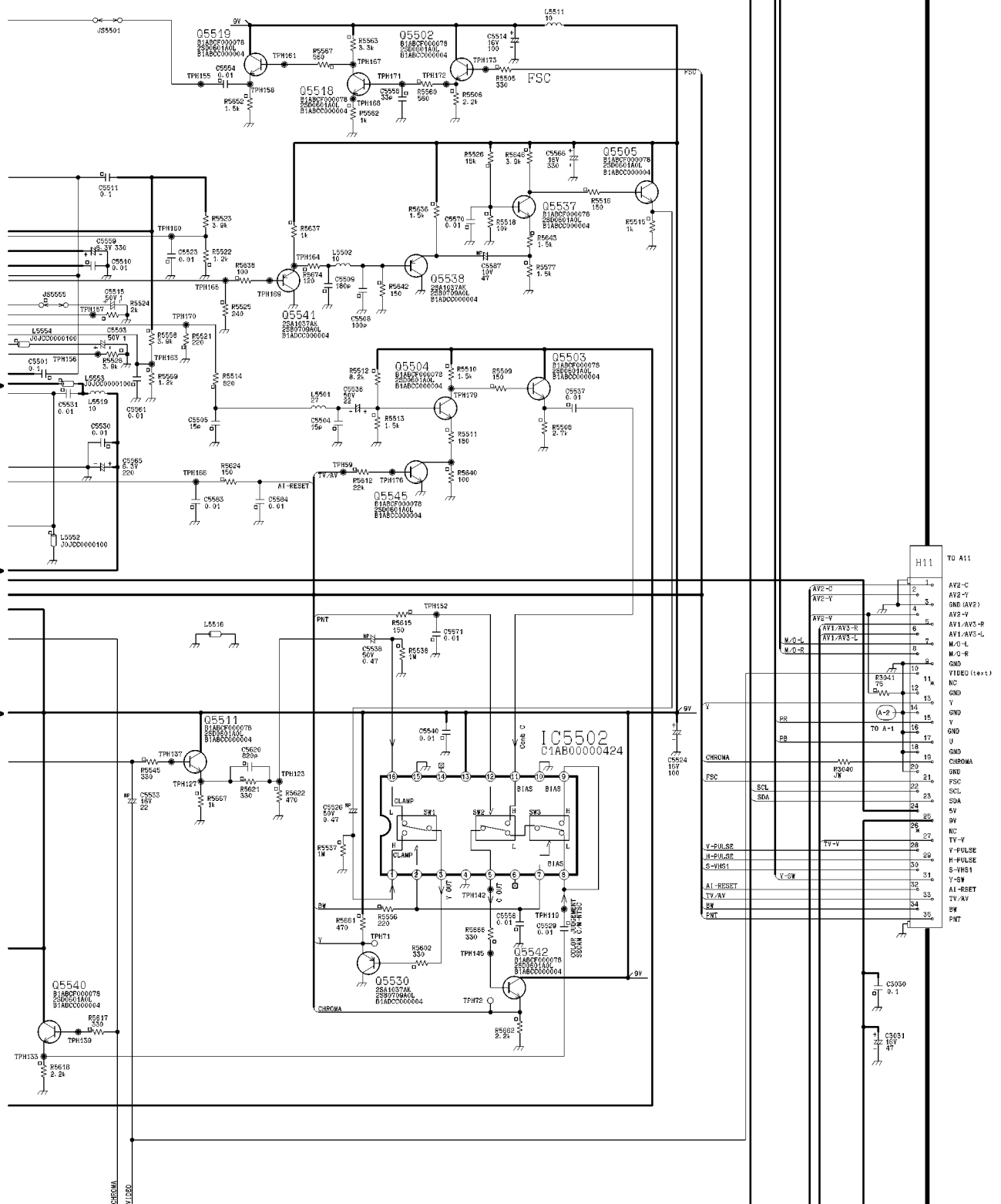
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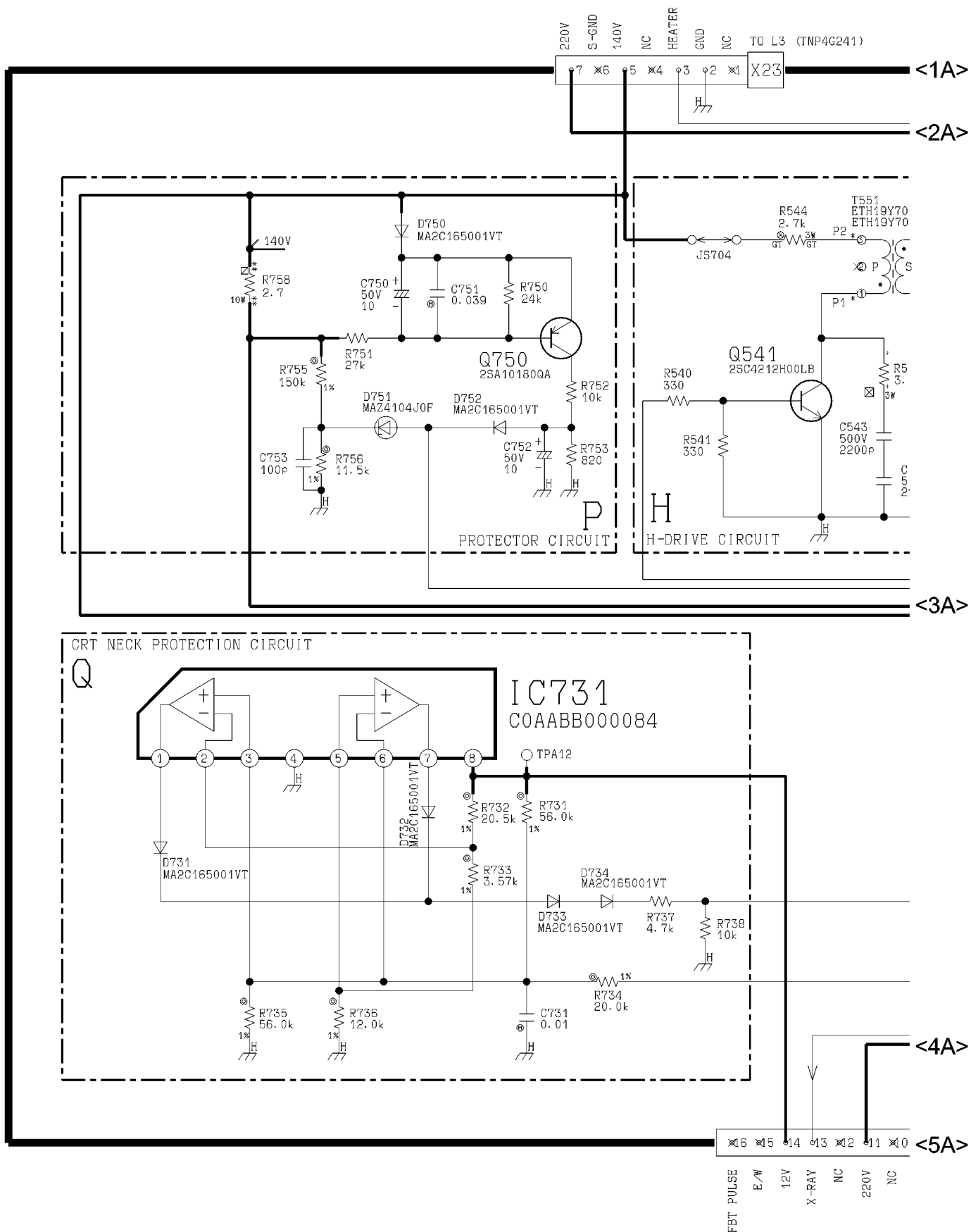
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<8A>



4.4. X BOARD

4.4.1. X BOARD (1/2)



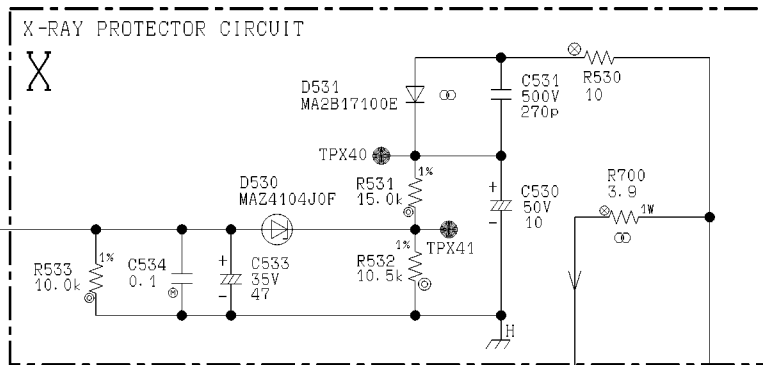
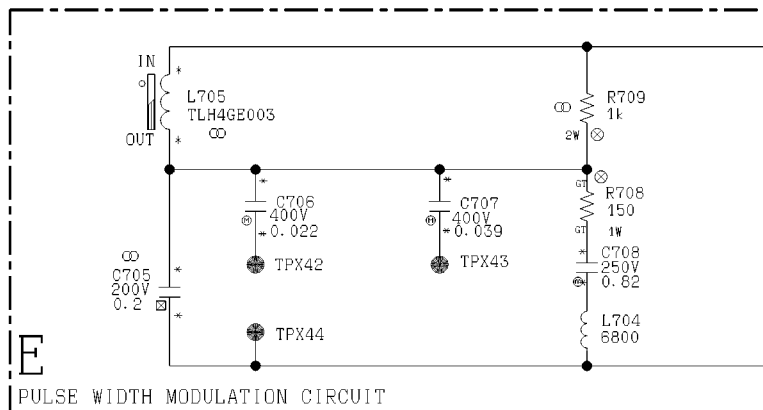
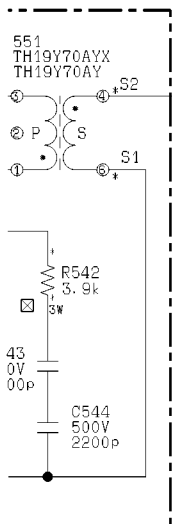
4.4.2. X BOARD (2/2)

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<2A>



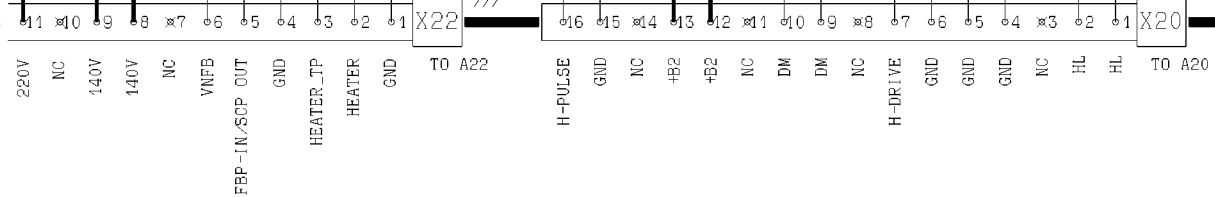
TNP4G232AA
PINCUSHION CIRCUIT



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<4A>

<5A>



4.5.2. T BOARD (2/2)

<1A>

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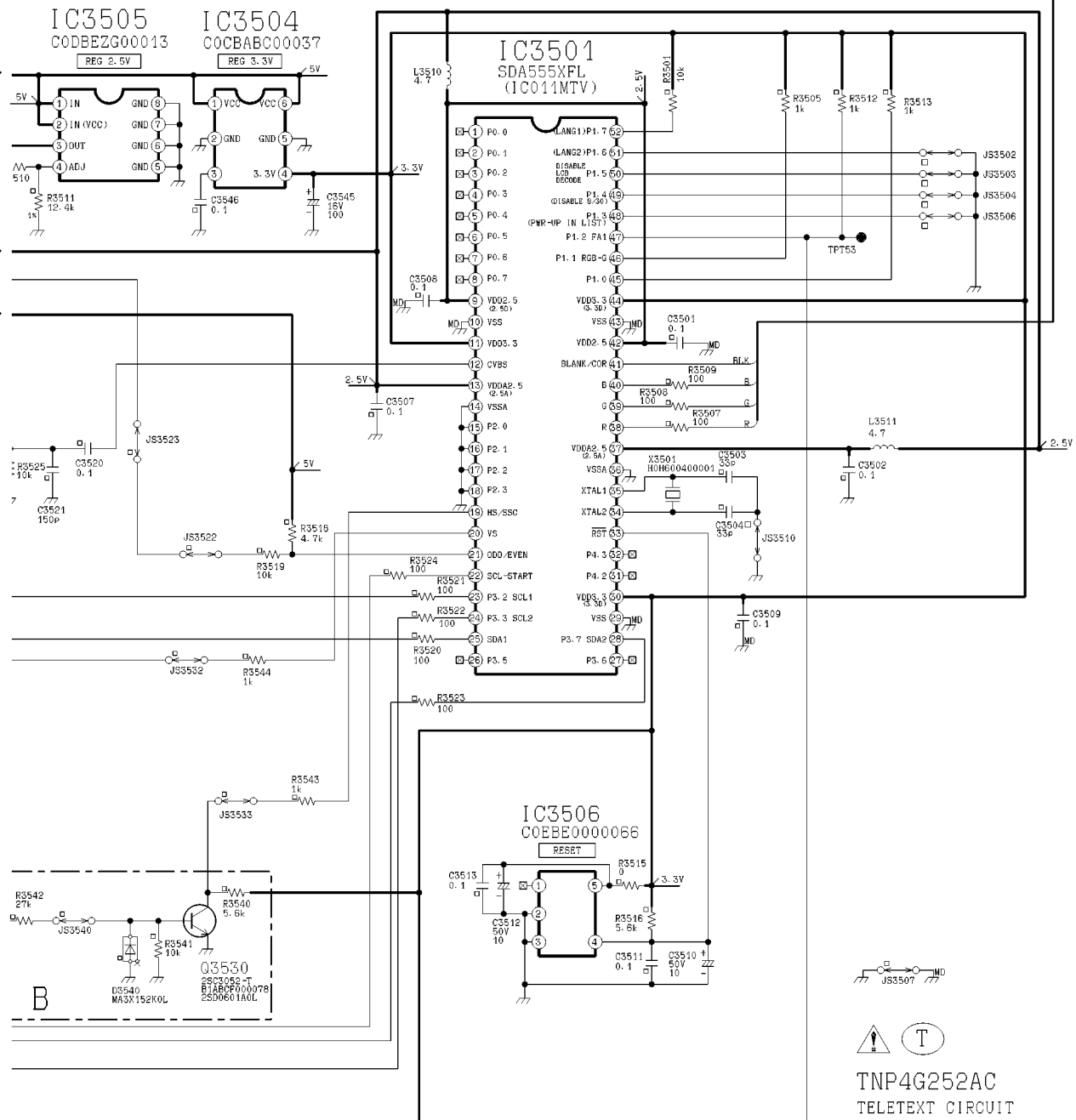
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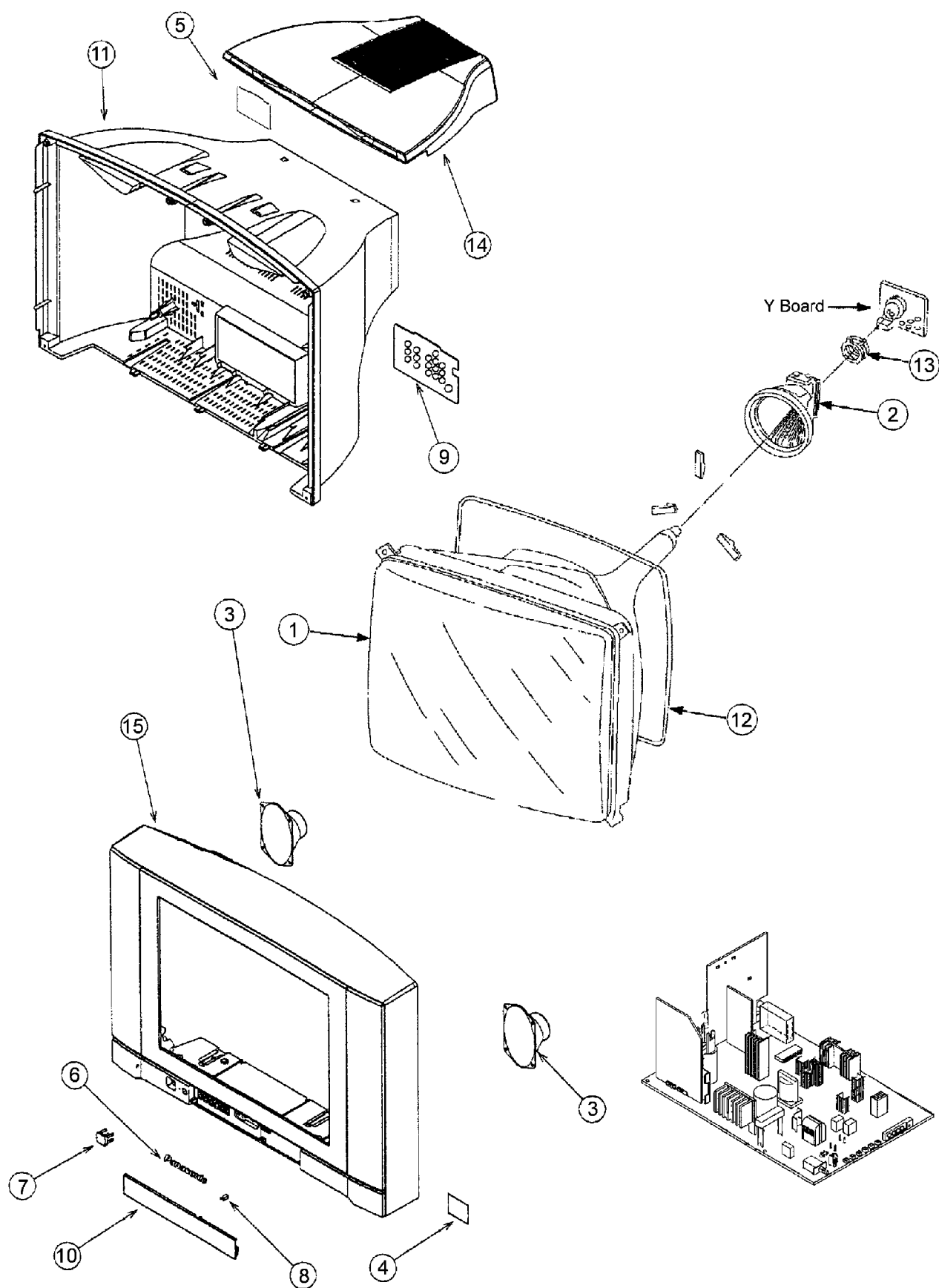
<6A>

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⚠ T
TNP4G252AC
TELETEXT CIRCUIT

5 Part Location



6 Replacement Parts List

Important Safety Notice

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

Note: Printed circuit board assembly with "NLA" is no longer available after production discontinuation of the complete set.

Abbreviation of part name and description

1. Resistor

Example :

ERD25TJ104 C 100K Ω , J, 1/4W
Type Allowance

2. Capacitor

Example :

ECKF1H103ZF C 0.01 μ F, Z, 50V
Type Allowance

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

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

6.1. Replacement Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
1	A51LXR195X	PICTURE TUBE	△ ;
	EUR646931	REMOTE CONTROL	
2	G0F500000010	DEFLECTION YOKE	△
3	L0AA12B00003	SPEAKER	
4	TBL4G3404	SET LEG	
5	TEM4G0879	MODEL NAME PLATE	△
6	TEM4G3011	PANASONIC BADGE	
7	TBX4G88200	POWER BUTTON	
8	TEK6935	DOOR SWITCH	
	TES4G206	COIL SPRING	
	THT4G1005R	CRT SCREW	
	THT4G1010R	SCREW (SPEAKER)	
	THT4G1013R	SCREW	
	TJB1726400	75OHM ADAPTOR	
	TJS4G8100	AC PLUG ADAPTOR	
9	TKP4G12319	REAR AV BRACKET	
10	TKP4G12711	DOOR	
11	TKU4G9900-1	BACK COVER	
12	TLK4G9037S	DEGAUSSING COIL	△
	TMM4G503	RUBBER WEDGE	
NLA	TNP4G231AA	H BOARD	△
NLA	TNP4G232AA	X BOARD	△
NLA	TNP4G241AA	L BOARD	△
NLA	TNP4G243AB	A BOARD	△
NLA	TNP4G252AC	T BOARD	△
13	TP-13000PX2	CONVERGENCE YOKE	
	TPC4G48003	CARTON	
	TPD4G1093	CUSHION (TOP)	
	TPE4G14036	SET COVER	
	TQB4G3200	FAN BAG	
	TSM10032-3	MAGNET	
	TSN63115-4	PURITY MAGNET	
14	TSPX4G001	SUB WOOFER BOX	
	TSX4G167H	AC POWER CORD	△
15	TXFKY01XT2P	CABINET ASSY	
	TXFPD02WW2S	CUSHION (BOTTOM)	
	RESISTORS		
R106	ERJ6GEYJ823	M 82KOHM,J,1/10W	
R108	ERJ6GEYJ153	M 15KOHM,J,1/10W	
R110	ERJ6GEYJ100	M 100HM,J,1/10W	
R115	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	
R116	ERJ6GEYJ470	M 470HM,J,1/10W	
R117	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	
R118	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	
R119	ERJ6GEYJ121	M 120OHM,J,1/10W	
R120	ERJ6GEYJ682	M 6.8KOHM,J,1/10W	
R121	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	
R125	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	
R126	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	
R127	ERJ6GEYJ103	M 10KOHM,J,1/10W	
R128	ERJ6GEYJ103	M 10KOHM,J,1/10W	
R140	ERJ6GEYJ391	M 390OHM,J,1/10W	
R141	ERJ6GEYJ471	M 470OHM,J,1/10W	
R142	ERJ6GEYJ121	M 120OHM,J,1/10W	
R143	ERJ6GEYJ470	M 470HM,J,1/10W	
R150	ERJ6GEYJ563	M 56KOHM,J,1/10W	
R151	ERJ6GEYJ563	M 56KOHM,J,1/10W	
R160	ERJ3GEYJ332	M 3.3KOHM,J,1/16W	
R161	ERJ6GEYJ331	M 330OHM,J,1/10W	
R162	ERJ6GEYJ331	M 330OHM,J,1/10W	
R164	ERJ6GEYJ333	M 33KOHM,J,1/10W	
R166	ERJ6GEYJ153	M 15KOHM,J,1/10W	
R505	ERD25V0R00T	C 00HM, 1/4W	
R506	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R507	ERJ6GEYJ104	M 100KOHM,J,1/10W	
R508	ERJ6GEYJ104	M 100KOHM,J,1/10W	
R509	ERJ6GEYJ474	M 470KOHM,J,1/10W	
R510	ERJ6GEYJ824	M 820KOHM,J,1/10W	
R511	ER050CKF1103	M 110KOHM,F, 1/2W	
R512	ERDS2TJ223	C 22KOHM,J, 1/4W	
R513	ERQ14AJ2R0E	F 2.0OHM,J, 1/4W	
R514	ERDS1TJ394	C 390KOHM,J, 1/2W	

Ref. No.	Part No.	Part Name & Description	Remarks
R515	ERQ1RJWLR0E	F 10HM,J, 1W	
R520	ERGL8J333E	M 33KOHM,J, 1W	
R530	ERQ14AJ100E	F 10OHM,J, 1/4W	
R531	ER0S2CHF1502	M 15KOHM,F, 1/4W	
R532	ER0S2CKF1052	M10.5KOHM,F, 1/4W	
R533	ER0S2CKF1002	M 10KOHM,F, 1/4W	
R540	ERDS2TJ331	C 330OHM,J, 1/4W	
R541	ERDS2TJ331	C 330OHM,J, 1/4W	
R542	ERG3FJ392H	M 3.9KOHM,J, 3W	
R544	ERQ3CJ272	F 2.7KOHM,J, 3W	
R551	ERDS2TJ102	C 1KOHM,J, 1/4W	
R584	ERJ6GEYJ272	M 2.7KOHM,J,1/10W	
R585	ERJ6GEYJ392	M 3.9KOHM,J,1/10W	
R586	ERJ6GEYJ153	M 15KOHM,J,1/10W	
R587	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R588	ERJ6GEYJ513	M 51KOHM,J,1/10W	
R589	ERJ6GEYJ683	M 68KOHM,J,1/10W	
R608	ERJ6GEYJ101	M 100OHM,J,1/10W	
R609	ERJ6GEYJ101	M 100OHM,J,1/10W	
R613	ERJ6GEYJ101	M 100OHM,J,1/10W	
R614	ERJ6GEYJ101	M 100OHM,J,1/10W	
R615	ERJ6GEYJ101	M 100OHM,J,1/10W	
R624	ERJ6GEYJ272	M 2.7KOHM,J,1/10W	
R625	ERJ6GEYJ391	M 390OHM,J,1/10W	
R626	ERJ6GEYJ391	M 390OHM,J,1/10W	
R627	ERJ6GEYJ391	M 390OHM,J,1/10W	
R628	ERJ6GEYJ223	M 22KOHM,J,1/10W	
R629	ERJ6GEYJ682	M 6.8KOHM,J,1/10W	
R632	ERJ6GEYJ471	M 470OHM,J,1/10W	
R633	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	
R634	ERJ6GEYJ151	M 150OHM,J,1/10W	
R635	ERJ6GEYJ224	M 220KOHM,J,1/10W	
R638	ERDS1VJ271	C 270OHM,J, 1/2W	
R640	ERJ6GEYJ563	M 56KOHM,J,1/10W	
R641	ERJ6GEYJ223	M 22KOHM,J,1/10W	
R642	ERJ6GEYJ182	M 1.8KOHM,J,1/10W	
R643	ERJ6GEYJ101	M 100OHM,J,1/10W	
R644	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R648	ERJ6GEYJ181	M 180OHM,J,1/10W	
R649	ERJ6GEYJ471	M 470OHM,J,1/10W	
R650	ERJ6GEYJ103	M 10KOHM,J,1/10W	
R651	ERJ6GEYJ103	M 10KOHM,J,1/10W	
R664	ERGL8J680E	M 68OHM,J, 1W	
R700	ERQ1CJP3R9S	F 3.9OHM,J, 1W	
R708	ERQ1CJ151	F 150OHM,J, 1W	
R709	ERQ2CJP102S	F 1KOHM,J, 2W	
R750	ERDS2TJ243	C 24KOHM,J, 1/4W	
R751	ERDS2TJ273	C 27KOHM,J, 1/4W	
R752	ERDS2TJ103	C 10KOHM,J, 1/4W	
R753	ERDS2TJ821	C 820OHM,J, 1/4W	
R755	ER0S2CHF1503	M 150KOHM,F, 1/4W	
R756	ER0S2CKF1152	M11.5KOHM,F, 1/4W	
R758	TAR26EJ2R7Z	W 2.7OHM,J, 10W	
R1053	ERJ6GEYJ470	M 470HM,J,1/10W	
R1054	ERDS2TJ561	C 560OHM,J, 1/4W	
R1055	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R1056	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R1101	ERJ6GEYJ562	M 5.6KOHM,J,1/10W	
R1102	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	
R1103	ERJ6GEYJ123	M 12KOHM,J,1/10W	
R1105	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R1108	ERJ6GEYJ101	M 100OHM,J,1/10W	
R1110	ERJ6GEYJ101	M 100OHM,J,1/10W	
R1111	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	
R1112	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	
R1113	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	
R1114	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	
R1120	ERJ6GEYJ101	M 100OHM,J,1/10W	
R1121	ERJ6GEYJ101	M 100OHM,J,1/10W	
R1123	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	
R1124	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	
R1125	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R1126	ERJ6ENF1002	M 10KOHM,J,1/10W	
R1130	ERJ6GEYJ221	M 220OHM,J,1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R1131	ERJ6GEYJ221	M 220OHM, J, 1/10W	
R1132	ERJ6GEYJ221	M 220OHM, J, 1/10W	
R1150	ERJ6GEYJ561	M 560OHM, J, 1/10W	
R1151	ERJ6GEYJ561	M 560OHM, J, 1/10W	
R1152	ERJ6GEYJ561	M 560OHM, J, 1/10W	
R1153	ERJ6GEYJ271	M 270OHM, J, 1/10W	
R1154	ERJ6GEYJ391	M 390OHM, J, 1/10W	
R1155	ERJ6GEYJ391	M 390OHM, J, 1/10W	
R1156	ERJ6GEYJ391	M 390OHM, J, 1/10W	
R1160	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R1161	ERJ6GEYJ273	M 27KOHM, J, 1/10W	
R1162	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	
R1166	ERJ6GEYJ223	M 22KOHM, J, 1/10W	
R1168	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	
R1169	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	
R1170	ERJ6GEYJ560	M 560OHM, J, 1/10W	
R1171	ERJ6GEYJ560	M 560OHM, J, 1/10W	
R1172	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	
R1173	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	
R1174	ERJ6GEYJ470	M 470OHM, J, 1/10W	
R1175	ERJ6GEYJ182	M 1.8KOHM, J, 1/10W	
R1176	ERJ6GEY0R00	M 0OHM, J, 1/10W	
R1177	ERJ6GEYJ101	M 100OHM, J, 1/10W	
R1180	ERJ6ENF1002	M 10KOHM, 1/10W	
R1181	ERJ6ENF2201	M 2.2KOHM, 1/10W	
R1182	ERJ6ENF2201	M 2.2KOHM, 1/10W	
R1183	ERJ6ENF3301	M 3.3KOHM, 1/10W	
R1184	ERJ6ENF4701	M 4.7KOHM, 1/10W	
R1185	ERJ6ENF1002	M 10KOHM, 1/10W	
R1190	ER0S2CKF1202	M 12KOHM, F, 1/4W	
R1191	ER0S2CHF8201	M 8.2KOHM, F, 1/4W	
R1201	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	
R1202	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	
R1203	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	
R1204	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R1205	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	
R2001	ERQ1CJP5R6S	F 5.6OHM, J, 1W	
R2003	ERJ6GEY0R00	M 0OHM, J, 1/10W	
R2004	ERJ6GEY0R00	M 0OHM, J, 1/10W	
R2104	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R2110	ERJ6GEY0R00	M 0OHM, J, 1/10W	
R2111	ERJ6GEY0R00	M 0OHM, J, 1/10W	
R3070	ERJ6GEYJ750	M 750OHM, 1/10W	
R3071	ERJ6GEYJ750	M 750OHM, 1/10W	
R3072	ERJ6GEYJ153	M 15KOHM, J, 1/10W	
R3073	ERJ6GEYJ153	M 15KOHM, J, 1/10W	
R3074	ERJ6GEYJ153	M 15KOHM, J, 1/10W	
R3075	ERJ6GEYJ153	M 15KOHM, J, 1/10W	
R3076	ERJ6GEYJ750	M 750OHM, 1/10W	
R3078	ERJ6GEYJ681	M 680OHM, J, 1/10W	
R3082	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R3083	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R3084	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R3086	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R3087	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R3089	ERJ6GEYJ681	M 680OHM, J, 1/10W	
R3092	ERJ6GEYJ122	M 1.2KOHM, J, 1/10W	
R3101	ERJ6GEYJ750	M 750OHM, 1/10W	
R3102	ERJ6GEYJ750	M 750OHM, 1/10W	
R3106	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R3107	ERJ6GEYJ104	M 100KOHM, J, 1/10W	
R3108	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R3109	ERJ6GEYJ104	M 100KOHM, J, 1/10W	
R3501	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R3505	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R3507	ERJ6GEYJ101	M 100OHM, J, 1/10W	
R3508	ERJ6GEYJ101	M 100OHM, J, 1/10W	
R3509	ERJ6GEYJ101	M 100OHM, J, 1/10W	
R3510	ERJ6GEYJ1R0	M 1OHM, J, 1/10W	
R3511	ERJ6ENF1242	M 12.4KOHM, 1/10W	
R3512	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R3513	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R3515	ERJ6GEY0R00	M 0OHM, J, 1/10W	
R3516	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R3518	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	
R3519	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R3520	ERJ6GEYJ101	M 100OHM, J, 1/10W	
R3521	ERJ6GEYJ101	M 100OHM, J, 1/10W	
R3522	ERJ6GEYJ101	M 100OHM, J, 1/10W	
R3523	ERJ6GEYJ101	M 100OHM, J, 1/10W	
R3524	ERJ6GEYJ101	M 100OHM, J, 1/10W	
R3525	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R3526	ERJ6GEYJ391	M 390OHM, J, 1/10W	
R3527	ERJ6GEYJ471	M 470OHM, J, 1/10W	
R3528	ERJ6GEYJ101	M 100OHM, J, 1/10W	
R3529	ERJ6GEYJ223	M 22KOHM, J, 1/10W	
R3530	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R3531	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	
R3532	ERJ6GEYJ182	M 1.8KOHM, J, 1/10W	
R3533	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	
R3540	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	
R3541	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R3542	ERJ6GEYJ273	M 27KOHM, J, 1/10W	
R3543	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R3544	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R3551	ERJ6GEYJ101	M 100OHM, J, 1/10W	
R3552	ERJ6GEYJ101	M 100OHM, J, 1/10W	
R3553	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	
R3554	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	
R3560	ERJ6GEYJ272	M 2.7KOHM, J, 1/10W	
R3561	ERJ6GEYJ272	M 2.7KOHM, J, 1/10W	
R3562	ERJ6GEYJ272	M 2.7KOHM, J, 1/10W	
R3563	ERJ6GEYJ272	M 2.7KOHM, J, 1/10W	
R3565	ERJ6GEYJ272	M 2.7KOHM, J, 1/10W	
R3571	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R5615	ERJ6GEYJ151	M 150OHM, J, 1/10W	
R5617	ERJ6GEYJ331	M 330OHM, J, 1/10W	
R5618	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	
R5619	ERJ6GEYJ151	M 150OHM, J, 1/10W	
R5620	ERJ6GEYJ202	M 2KOHM, J, 1/10W	
R5621	ERJ6GEYJ331	M 330OHM, J, 1/10W	
R5622	ERJ6GEYJ471	M 470OHM, J, 1/10W	
R5624	ERJ6GEYJ151	M 150OHM, J, 1/10W	
R5632	ERJ6GEYJ471	M 470OHM, J, 1/10W	
R5633	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	
R5634	ERJ6GEYJ223	M 22KOHM, J, 1/10W	
R5635	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R5636	ERJ6GEYJ152	M 1.5KOHM, J, 1/10W	
R5637	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R5638	ERJ6GEYJ101	M 100OHM, J, 1/10W	
R5640	ERJ6GEYJ101	M 100OHM, J, 1/10W	
R5642	ERJ6GEYJ151	M 150OHM, J, 1/10W	
R5643	ERJ6GEYJ152	M 1.5KOHM, J, 1/10W	
R5644	ERJ6GEYJ151	M 150OHM, J, 1/10W	
R5645	ERJ6GEYJ151	M 150OHM, J, 1/10W	
R5646	ERJ6GEYJ392	M 3.9KOHM, J, 1/10W	
R5652	ERJ6GEYJ152	M 1.5KOHM, J, 1/10W	
R5661	ERJ6GEYJ471	M 470OHM, J, 1/10W	
R5662	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	
R5666	ERJ6GEYJ331	M 330OHM, J, 1/10W	
R5667	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R5674	ERJ6GEYJ121	M 120OHM, J, 1/10W	
R5678	ERJ6GEYJ391	M 390OHM, J, 1/10W	
CAPACITORS			
C101	ECEA1CKA220	E 22UF, 16V	
C103	ECQV1H224JL	P 0.22UF, J, 50V	
C110	ECJ2VFLH104Z	C 0.1UF, Z, 50V	
C111	ECA1AM471B	E 470UF, 10V	
C112	ECEA1HKA010	E 1UF, 50V	
C113	ECJ2VBLH103J	C 0.01UF, 50V	
C114	ECJ2VFLH103Z	C 0.01UF, Z, 50V	
C115	ECJ2VFLH103Z	C 0.01UF, Z, 50V	
C116	ECJ2VFLH103Z	C 0.01UF, Z, 50V	
C126	ECJ2VFLH103Z	C 0.01UF, Z, 50V	
C128	ECJ2VFLH103Z	C 0.01UF, Z, 50V	
C140	ECJ2VFLH103Z	C 0.01UF, Z, 50V	
C141	ECJ2VFLH103Z	C 0.01UF, Z, 50V	
C142	ECJ2VFLH103Z	C 0.01UF, Z, 50V	

Ref. No.	Part No.	Part Name & Description	Remarks
C144	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C150	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C151	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C160	ECA1CM101B	E 100UF, 16V	
C161	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C162	ECA1CM220B	E 220UF, 16V	
C163	ECA1HM2R2B	E 2.2UF, 50V	
C164	ECJ2VC1H222J	C 2200PF, J, 50V	
C165	ECA1HMR22B	E 0.22UF, 50V	
C166	ECA1HM010B	E 1UF, 50V	
C167	ECJ2VB1H822K	C 8200PF, K, 50V	
C169	ECA1HM4R7B	E 4.7UF, 50V	
C170	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C171	ECA1CM221B	E 220UF, 16V	
C172	ECA1AM471B	E 470UF, 10V	
C180	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C204	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C354	ECCF1H330JC	C 33PF, J, 50V	
C355	ECCF1H330JC	C 33PF, J, 50V	
C356	ECCF1H330JC	C 33PF, J, 50V	
C646	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C647	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C648	ECA1HMR47B	E 0.47UF, 50V	
C649	ECJ2VC1H102J	C 1000PF, J, 50V	
C650	ECJ2VB1H103K	C 0.01UF, K, 50V	
C651	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C653	ECEA1HKN010	E 1UF, 50V	
C661	ECEA1HKNR22	E 0.22UF, 50V	
C662	ECQV1H105JM	P 1UF, J, 50V	
C663	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C664	ECA1CM471B	E 470UF, 16V	
C705	ECWF2204JSR	P 0.2UF, J, 250V	
C706	ECQM4223JZ	P 0.022UF, J, 400V	
C707	ECQM4393JZ	P 0.039UF, J, 400V	
C708	ECQE2824KF	P 0.82UF, K, 250V	
C750	ECA1HM100B	E 10UF, 50V	
C751	ECQB1H393JF	P 0.039UF, J, 50V	
C752	ECA1HM100B	E 10UF, 50V	
C753	ECKR1H101KB5	C 100PF, K, 50V	
C801	ECQU2A224BN9	P 0.22UF, 250V	△
C802	ECQU2A224BN9	P 0.22UF, 250V	△
C806	ECKWAE472ZED	C 4700PF, Z, 500V	
C807	ECKWAE472ZED	C 4700PF, Z, 500V	
C808	ECKWAE472ZED	C 4700PF, Z, 500V	
C809	ECKWAE472ZED	C 4700PF, Z, 500V	
C810	TACFL2G561MA	C 560UF, M, 400V	
C811	ECKR3D222KBP	C 2200PF, K, 2KV	
C814	ECQE2A473JF	P 0.047UF, J, 250V	
C815	EEUMG2C100B	E 10UF, 160V	
C816	EEUFCLH330B	E 33UF, 50V	
C820	ECKW3D102KBP	C 1000PF, K, 2KV	
C821	ECKW3D561KBP	C 560PF, K, 2KV	
C825	ECKR1H471KB5	C 470PF, K, 50V	
C826	ECQB1H121JF	P 120PF, J, 50V	
C840	ECKCNA101MB7	C 100PF, M,	△
C841	ECKCNA152ME7	C 1500PF, M,	△
C842	ECKCNA152ME7	C 1500PF, M,	△
C844	ECKCNA222ME7	C 2200PF, M,	△
C845	ECKCNA222ME7	C 2200PF, M,	△
C846	ECKCNA222ME7	C 2200PF, M,	△
C850	ECKR3D122KBP	C 1200PF, K, 2KV	
C851	ECKR2H221KB5	C 220PF, K, 500V	
C853	ECKR2H331KB5	C 330PF, K, 500V	
C854	ECKR3D101KBP	C 100PF, K, 2KV	
C855	ECOS2CA271BB	E 270UF, 160V	
C856	EEUFCLV471B	E 470UF, 35V	
C858	ECA1EM102B	E 1000UF, 25V	
C859	ECKR2H331KB5	C 330PF, K, 500V	
C860	ECUX1H104KBX	C 0.1UF, K, 50V	
C862	ECA1EM102B	E 1000UF, 25V	
C865	ECQB1H104JF	P 0.1UF, 50V	
C866	ECA1CHG222	E 2200UF, 16V	
C873	ECJ2ZF1C105Z	C 1UF, Z, 16V	
C874	ECJ2ZF1C105Z	C 1UF, Z, 16V	

Ref. No.	Part No.	Part Name & Description	Remarks
C879	ECA1AM470B	E 47UF, 10V	
C884	ECA1CM101B	E 100UF, 16V	
C886	ECA1CM101B	E 100UF, 16V	
C887	ECA1CM101B	E 100UF, 16V	
C888	ECA1CM101B	E 100UF, 16V	
C904	F1B1H103A013	C 0.01UF, 50V	
C952	ECA1HHG100	E 10UF, 50V	
C953	F1B1H103A013	C 0.01UF, 50V	
C958	ECA2CM470B	E 47UF, 160V	
C2136	ECJ2VC1H560J	C 56PF, J, 50V	
C2138	ECJ2VC1H470J	C 47PF, J, 50V	
C2139	ECJ2VC1H010C	C 1PF, C, 50V	
C2140	ECJ2VC1H010C	C 1PF, C, 50V	
C2301	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C2302	ECJ2VB1H561K	C 560PF, K, 50V	
C2303	ECQV1H684JM	P 0.68UF, J, 50V	
C2304	ECQV1H154JM	P 0.15UF, J, 50V	
C2305	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C2306	ECA1VM221B	E 220UF, 35V	
C2307	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C2308	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C2309	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C2310	ECA1HM221B	E 220UF, 50V	
C2311	ECA1EM102B	E 1000UF, 25V	
C2312	ECA1EM102B	E 1000UF, 25V	
C2313	ECA1HM2R2B	E 2.2UF, 50V	
C2315	ECJ2VF1H472Z	C 4700PF, Z, 50V	
C2316	ECUX1H101JCX	C 100PF, J, 50V	
C2320	ECQV1H334JM	P 0.33UF, J, 50V	
C2321	ECJ2VB1H562K	C 5600PF, K, 50V	
C2330	ECA1CM102B	E 1000UF, 16V	
C2340	ECQB1H103JF	P 0.01UF, 50V	
C2341	ECQB1H103JF	P 0.01UF, 50V	
C2801	ECA1HM010B	E 1UF, 50V	
C2802	ECJ2VF1H224Z	C 0.22UF, Z, 50V	
C2803	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C2804	ECJ2VB1C104K	C 0.1UF, K, 16V	
C2806	ECEA1HN3R3U	E 3.3UF, 50V	
C2807	ECEA1HN3R3U	E 3.3UF, 50V	
C2808	ECJ2VC1H102J	C 1000PF, J, 50V	
C2810	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C2811	ECA1HM010B	E 1UF, 50V	
C2812	ECJ2VF1H224Z	C 0.22UF, Z, 50V	
C2816	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C2818	ECJ2VC1H102J	C 1000PF, J, 50V	
C2831	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C3001	ECA1CM101B	E 100UF, 16V	
C3005	ECA1HMR47B	E 0.47UF, 50V	
C3006	ECA1HM100B	E 10UF, 50V	
C3007	ECA1HM100B	E 10UF, 50V	
C3008	ECA1HMR47B	E 0.47UF, 50V	
C3011	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C3012	ECEA1HKAR47	E 0.47UF, 50V	
C3013	ECQB1H103JF	P 0.01UF, 50V	
C3014	ECA1HMR47B	E 0.47UF, 50V	
C3015	ECA1HM010B	E 1UF, 50V	
C3016	ECA1CM471B	E 470UF, 16V	
C3017	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C3018	ECA1HMR47B	E 0.47UF, 50V	
C3020	ECA1HM100B	E 10UF, 50V	
C3021	ECA1HM100B	E 10UF, 50V	
C3022	ECA1HM100B	E 10UF, 50V	
C3023	ECA1HMR47B	E 0.47UF, 50V	
C3024	ECA1HM010B	E 1UF, 50V	
C3030	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C3031	ECA1CM470B	E 47UF, 16V	
C3048	ECEA1CKN100	E 10UF, 16V	
C3053	ECJ2VB1C104K	C 0.1UF, K, 16V	
C3074	ECA1VM470B	E 47UF, 35V	
C3075	ECA1VM470B	E 47UF, 35V	
C3080	ECJ2VB1H682K	C 6800PF, K, 50V	
C3081	ECJ2VB1H682K	C 6800PF, K, 50V	
C5535	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C5536	ECA1HM220B	E 22UF, 50V	

Ref. No.	Part No.	Part Name & Description	Remarks
C5537	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C5538	ECEA1HNR47U	E 0.47UF, 50V	
C5540	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C5541	ECJ2VC1H560J	C 56PF, J, 50V	
C5542	ECJ2VC1H121J	C 120PF, J, 50V	
C5543	ECEA1EKN4R7	E 4.7UF, 25V	
C5546	ECJ2VC1H150J	C 15PF, J, 50V	
C5547	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C5548	ECJ2VB1H222K	C 2200PF, K, 50V	
C5550	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C5551	ECEA1HKA100	E 10UF, 50V	
C5552	ECJ2VB1H103K	C 0.01UF, K, 50V	
C5553	ECJ2VC1H150J	C 15PF, J, 50V	
C5554	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C5555	ECJ2VB1H103K	C 0.01UF, K, 50V	
C5556	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C5558	ECUX1H330JCK	C 33PF, J, 50V	
C5559	ECEA0JKA331	E 330UF, 6.3V	
C5560	ECEA0JKA331	E 330UF, 6.3V	
C5561	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C5565	ECEA0JKA221	E 220UF, 6.3V	
C5566	F2A1C331A127	E 330UF, 16V	
C5569	ECEA0JKA221	E 220UF, 6.3V	
C5570	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C5571	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C5574	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C5577	ECA1CM221B	E 220UF, 16V	
C5583	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C5584	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C5587	ECEA1AKN470	E 47UF, 10V	
C5620	ECJ2VC1H821J	C 820PF, J, 50V	
C5630	ECUX1H151JCK	C 150PF, J, 50V	
C5650	ECUX1H330JCK	C 33PF, J, 50V	
C5651	ECUX1H330JCK	C 33PF, J, 50V	
	COILS		
L101	EXCELD35V	CORE	
L111	TLTACTR56K	PEAKING COIL	
L140	TALV35VB8R2K	PEAKING COIL	
L150	TALV35VB8R2K	PEAKING COIL	
L160	G0C820KA0034	PEAKING COIL	
L161	EQV7EL521Q	COIL	
L180	TALV35VB6R8K	PEAKING COIL	
L181	TALV35VB8R2K	PEAKING COIL	
L182	TALV35VB6R8K	PEAKING COIL	
L183	TALV35VB5R6K	PEAKING COIL	
L352	EXCELSA24T	BEAD CORE	
L420	TLUABTA390	PEAKING COIL	
L501	EXCELSA35T	BEAD CORE	
L504	EXC3BB102H	CHIP BEAD CORE	
L511	EXCELSA39V	BEAD CORE	
L512	EXCELSA39V	BEAD CORE	
L515	EXCELSA35T	BEAD CORE	
L551	EXCELD35V	CORE	
L552	EXCELSA39V	BEAD CORE	
L553	EXCELD35V	CORE	
L665	TLTACT100K	PEAKING COIL 10U	
L704	G0A682AA0006	PEAKING COIL	
L705	ELH5L4130	LINEARITY COIL	
L801	TLP4GD016P	LINE FILTER	△
L802	TLP4GD016P	LINE FILTER	△
L809	EXCELD35V	CORE	
L5553	TSK1032	BEAD CORE	
L5554	TSK1032	BEAD CORE	
	TRANSFORMERS		
T9	K1KA09B00020	CONNECTOR	
T501	ZTFN32008A	FLYBACK TRANS	△
T551	ETH19Y70AY	H DRIVE TRANS	△
T801	ETS35AA686ND	SWITCHING TRANS	△
	DIODES		
D110	MTZJ16A	ZENER DIODE	
D111	MTZJ16A	ZENER DIODE	
D120	MA858	DIODE	
D170	MTZJ5.6B	ZENER DIODE	
D354	MA165	DIODE	

Ref. No.	Part No.	Part Name & Description	Remarks
D355	MA165	DIODE	
D356	MA165	DIODE	
D357	MTZJ15B	ZENER DIODE	
D359	MTZJ15B	ZENER DIODE	
D360	ERA22-04	DIODE	
D361	ERA22-04	DIODE	
D362	ERA22-04	DIODE	
D363	MA165	DIODE	
D365	MTZJ10C	ZENER DIODE	
D375	MA165	DIODE	
D466	MTZJ39E	ZENER DIODE	
D467	ERA15-01	DIODE	
D468	MTZJ39E	ZENER DIODE	
D469	MTZJ39E	ZENER DIODE	
D470	MA29W-B	DIODE	
D471	MA29W-B	DIODE	
D511	MA152KTX	DIODE	
D512	MA182	DIODE	
D513	AU02	DIODE	
D515	B0HAMP000054	DIODE	
D517	MTZJ12B	ZENER DIODE	
D530	MA4104J	DIODE	
D531	MA171	DIODE	
D551	B0BA01100028	ZENER DIODE	
D552	B0HANV000002	DIODE	
D553	RU3ANLFA10	DIODE	
D580	MTZJ10C	ZENER DIODE	
D582	MA4082H	DIODE	
D583	MA29W-A	DIODE	
D584	MA29W-A	DIODE	
D613	MA3068MTX	DIODE	
D614	MA3068MTX	DIODE	
D615	MA3068MTX	DIODE	
D620	MA152KTX	DIODE	
D621	MA152KTX	DIODE	
D645	MTZJ5.6B	ZENER DIODE	
D750	MA165	DIODE	
D751	MA4104J	DIODE	
D752	MA165	DIODE	
D801	ERZV10D621CS	VARISTOR	△
D803	D4SB80	DIODE	
D804	TAP4GA0005	POSISTOR	
D810	MTZJ6.2C	ZENER DIODE	△
D815	ERA15-04	DIODE	
D816	ERA15-01	DIODE	
D817	ERA15-01	DIODE	
D818	MAZ22400B0LS	DIODE	
D819	AM01A	DIODE	
D820	MAZ20820A0LS	DIODE	
D821	MAZ20820A0LS	DIODE	
IC3508	BA225	IC	
IC5501	MN82362	IC	
IC5502	NJM2513M	LINEAR IC	
	TRANSISTORS		
Q115	2SC2480TX	TRANSISTOR	
Q116	B1ABCF000078	TRANSISTOR	
Q140	2SC2480TX	TRANSISTOR	
Q141	B1ABCF000078	TRANSISTOR	
Q160	B1ABCF000078	TRANSISTOR	
Q180	B1ABCF000078	TRANSISTOR	
Q181	B1ABCF000078	TRANSISTOR	
Q182	B1ABCF000078	TRANSISTOR	
Q369	2SA564AQR	TRANSISTOR	
Q420	B1ABCF000078	TRANSISTOR	
Q421	B1ABCF000078	TRANSISTOR	
Q422	2SA1037AKT	TRANSISTOR	
Q423	2SA1037AKT	TRANSISTOR	
Q501	2SA1037AKT	TRANSISTOR	
Q502	B1ABCF000078	TRANSISTOR	
Q541	2SC4212H	TRANSISTOR	
Q551	2SD2539	TRANSISTOR	
Q585	2SA1037AKT	TRANSISTOR	
Q620	2SA1037AKT	TRANSISTOR	
Q640	B1ABCF000078	TRANSISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
Q650	B1ABCF000078	TRANSISTOR	
Q750	2SA1018Q	TRANSISTOR	
Q801	2SK1006RF122	TRANSISTOR	
Q860	B1ABCF000078	TRANSISTOR	
Q862	2SC1815	TRANSISTOR	
Q863	B1ABCF000078	TRANSISTOR	
Q864	B1ABCF000078	TRANSISTOR	
Q880	B1ABCF000078	TRANSISTOR	
Q881	B1ABCF000078	TRANSISTOR	
Q952	2SC945AQR-T	TRANSISTOR	
Q953	2SC1318	TRANSISTOR	
Q954	2SB1030A	TRANSISTOR	
Q955	2SB1569A	TRANSISTOR	
Q956	2SD2400A	TRANSISTOR	
Q957	2SA564AQR	TRANSISTOR	
Q958	2SC945AQR-T	TRANSISTOR	
Q962	2SC945AQR-T	TRANSISTOR	
Q1051	B1ABCF000078	TRANSISTOR	
Q1161	B1ABCF000078	TRANSISTOR	
Q1201	B1ABCF000078	TRANSISTOR	
Q1202	B1ABCF000078	TRANSISTOR	
Q2110	2SB709ATX	TRANSISTOR	
Q2111	2SB709ATX	TRANSISTOR	
Q2112	2SA1037AKT	TRANSISTOR	
Q2301	B1ABCF000078	TRANSISTOR	
Q2330	2SA1037AKT	TRANSISTOR	
Q2801	B1ABCF000078	TRANSISTOR	
Q3041	B1ABCF000078	TRANSISTOR	
Q3050	B1ABCF000078	TRANSISTOR	
Q3074	B1ABCF000078	TRANSISTOR	
Q3075	B1ABCF000078	TRANSISTOR	
Q3520	B1ABCF000078	TRANSISTOR	
Q3521	2SB709ATX	TRANSISTOR	
Q3530	B1ABCF000078	TRANSISTOR	
Q3570	B1ABCF000078	TRANSISTOR	
Q3580	2SB709ATX	TRANSISTOR	
Q3581	2SB709ATX	TRANSISTOR	
Q5501	B1ABCF000078	TRANSISTOR	
Q5502	B1ABCF000078	TRANSISTOR	
JS3510	ERJ6GEY0R00	M 00HM, J, 1/10W	
JS3520	ERJ6GEY0R00	M 00HM, J, 1/10W	
JS3522	ERJ6GEY0R00	M 00HM, J, 1/10W	
JS3523	ERJ6GEY0R00	M 00HM, J, 1/10W	
JS3532	ERJ6GEY0R00	M 00HM, J, 1/10W	
JS3533	ERJ6GEY0R00	M 00HM, J, 1/10W	
JS3540	ERJ6GEY0R00	M 00HM, J, 1/10W	
JS3550	ERJ6GEY0R00	M 00HM, J, 1/10W	
JS3551	ERJ6GEY0R00	M 00HM, J, 1/10W	
JS3560	ERJ6GEY0R00	M 00HM, J, 1/10W	
JS3562	ERJ6GEY0R00	M 00HM, J, 1/10W	
JS3585	ERJ6GEY0R00	M 00HM, J, 1/10W	
JS3590	ERJ6GEY0R00	M 00HM, J, 1/10W	
JS5501	ERD25V0R00T	C 00HM, 1/4W	
JS5555	ERJ6GEY0R00	M 00HM, J, 1/10W	
L1	TJS3A9680	7P CONNECTOR	
L2	TJS118590	2P CONNECTOR	
L3	TJS3A9680	7P CONNECTOR	
S801	ESB92DA1B	SWITCH	△
S1180	EVQ11G05R	SWITCH	
S1181	EVQ11G05R	SWITCH	
S1182	EVQ11G05R	SWITCH	
S1183	EVQ11G05R	SWITCH	
S1184	EVQ11G05R	SWITCH	
S1185	EVQ11G05R	SWITCH	
T8	TJS3A9140	CONNECTOR	
T12	TJS3A9650	4P CONNECTOR	
TNR001	ENV59D89G3	TUNER	△
X20	TJS4G8010	16P CONNECTOR	
X22	TJS4G8010	16P CONNECTOR	
X23	TJS3A9680	7P CONNECTOR	
X101	K7256M	SAW FILTER	
X102	K9351M	SAW FILTER	
X180	EFCS4R5MW5	CERAMIC FILTER	
X181	EFCS5M7MW3	CERAMIC FILTER	

Ref. No.	Part No.	Part Name & Description	Remarks
X182	EFCS6R0MW5	CERAMIC FILTER	
X183	EFCS6R5MW5	CERAMIC FILTER	
X630	TSS816TN1	CRYSTAL OSCILLATOR	
X1130	EF0EC1205B4	CERAMIC RESONATOR	
X2130	TSSA128	CRYSTAL OSCILLATOR	
X3501	H0H600400001	CRYSTAL OSCILLATOR	
R167	ERJ6GEYJ104	M 100KOHM, J, 1/10W	
R180	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R181	ERJ6GEYJ331	M 330OHM, J, 1/10W	
R182	ERD25VJ331	C 330OHM, J, 1/4W	
R183	ERJ6GEYJ823	M 82KOHM, J, 1/10W	
R184	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R185	ERJ6GEYJ221	M 220OHM, J, 1/10W	
R186	ERJ6GEYJ683	M 68KOHM, J, 1/10W	
R187	ERJ6GEYJ822	M 8.2KOHM, J, 1/10W	
R189	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R351	ER0S2CKF1001	M 1KOHM, F, 1/4W	
R352	ER0S2CKF1001	M 1KOHM, F, 1/4W	
R353	ER0S2CKF1001	M 1KOHM, F, 1/4W	
R354	ER0S2CKF1501	M 1.5KOHM, F, 1/4W	
R355	ER0S2CKF1501	M 1.5KOHM, F, 1/4W	
R356	ER0S2CKF1501	M 1.5KOHM, F, 1/4W	
R357	ER0S2CKF1001	M 1KOHM, F, 1/4W	
R358	ERGL2DJ124	M 120KOHM, J, 1/2W	
R359	ERGL2DJ124	M 120KOHM, J, 1/2W	
R360	ERGL2DJ124	M 120KOHM, J, 1/2W	
R361	ER0S2CKF8451	M 8450OHM, F, 1/4W	
R362	ER0S2CHF1271	M 1.27KOHM, F, 1/4W	
R363	ERC12GK222	S 2.2KOHM, K, 1/2W	
R364	ERC12GK222	S 2.2KOHM, K, 1/2W	
R365	ERC12GK222	S 2.2KOHM, K, 1/2W	
R367	ERDS1TJ104	C 100KOHM, J, 1/2W	
R368	ERDS2TJ123	C 12KOHM, J, 1/4W	
R369	ERDS2TJ103	C 10KOHM, J, 1/4W	
R371	ER0S2CKF1001	M 1KOHM, F, 1/4W	
R372	ER0S2CKF1001	M 1KOHM, F, 1/4W	
R374	ERQ12AJ181P	F 180OHM, J, 1/2W	
R403	ERJ6ENF5601	M 5.6KOHM, 1/10W	
R404	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R405	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R420	ERJ6GEYJ223	M 22KOHM, J, 1/10W	
R421	ERJ6GEYJ683	M 68KOHM, J, 1/10W	
R422	ERJ6ENF9763	M 976KOHM, 1/10W	
R423	ERJ6GEYJ122	M 1.2KOHM, J, 1/10W	
R424	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W	
R425	ERJ6ENF1023	M 102KOHM, 1/10W	
R426	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R427	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R428	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	
R429	ERDS2TJ331	C 330OHM, J, 1/4W	
R430	ERJ6GEYJ392	M 3.9KOHM, J, 1/10W	
R431	ERJ6GEYJ153	M 15KOHM, J, 1/10W	
R432	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R433	ERJ6ENF2701	M 2.7KOHM, 1/10W	
R434	ERJ6ENF5601	M 5.6KOHM, 1/10W	
R470	ERDS1FJ1R0	C 10HM, J, 1/2W	
R471	ERJ6GEYJ684	M 68KOHM, J, 1/10W	
R472	ERJ6GEYJ513	M 51KOHM, J, 1/10W	
R473	ERJ6GEYJ154	M 150KOHM, J, 1/10W	
R474	ERJ6GEYJ753	M 75KOHM, J, 1/10W	
R475	ERDS1FJ2R7	C 2.7OHM, J, 1/2W	
R476	ERDS1FJ2R7	C 2.7OHM, J, 1/2W	
R477	ERG2ANJP221H	M 220OHM, J, 2W	
R478	ERDS2TJ101	C 100OHM, J, 1/4W	
R479	ERDS2TJ222	C 2.2KOHM, J, 1/4W	
R501	ERDS2TJ102	C 1KOHM, J, 1/4W	
R502	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R503	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R801	TAR26FJ2R2Z	W 2.2OHM, 15W	△
R810	ERDS1TJ394	C 390KOHM, J, 1/2W	
R811	ERDS2TJ473	C 47KOHM, J, 1/4W	
R815	ERG2SJS151H	M 150OHM, J, 2W	
R816	ERG2SJS100E	M 10OHM, J, 2W	
R817	ERDS1TJ100	C 10OHM, J, 1/2W	

Ref. No.	Part No.	Part Name & Description	Remarks
R818	ERG5FJ153	M 15KOHM, J, 5W	
R820	ERX12SJR22E	M 0.22OHM, J, 1/2W	
R821	ERX12SJR27E	M 0.27OHM, J, 1/2W	
R822	ERDS1TJ681	C 680OHM, J, 1/2W	
R823	ERDS2TJ332	C 3.3KOHM, J, 1/4W	
R824	ERDS2TJ152	C 1.5KOHM, J, 1/4W	
R830	ERDS2TJ332	C 3.3KOHM, J, 1/4W	
R831	ERDS2TJ102	C 1KOHM, J, 1/4W	
R840	ERD75TAJ825	C 8.2MOHM, J, 3/4W	
R850	ERG3FJ473H	M 47KOHM, J, 3W	
R851	ERQ2CKR33	F 0.33OHM, K, 2W	
R853	D0D5R68KA007	W 0.68OHM, K, 5W	
R854	D0D5R68KA007	W 0.68OHM, K, 5W	
R858	ERX5FJ4R7	M 4.7OHM, J, 5W	
R859	ERX5FJ5R6	M 5.6OHM, J, 5W	
R860	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	
R861	ERDS1TJ271	C 270OHM, J, 1/2W	
R862	ERJ6ENF4701	M 4.7KOHM, 1/10W	
R864	ERG3ANJ153	M 15KOHM, J, 3W	
R865	ERDS1TJ102	C 1KOHM, J, 1/2W	
R867	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R868	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R869	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	
R870	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	
R871	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	
R882	ERJ6GEYJ223	M 22KOHM, J, 1/10W	
R883	ERJ6GEYJ122	M 1.2KOHM, J, 1/10W	
R884	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R885	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R886	ERJ6GEYJ223	M 22KOHM, J, 1/10W	
R952	ERDS2TJ223	C 22KOHM, J, 1/4W	
R953	ERDS2TJ332	C 3.3KOHM, J, 1/4W	
R954	ERDS2TJ331	C 330OHM, J, 1/4W	
R956	ERDS2TJ510	C 510OHM, J, 1/4W	
R958	ERDS2TJ391	C 390OHM, J, 1/4W	
R960	ERQ14AJ100E	F 100OHM, J, 1/4W	
R961	ERQ1CJP331S	F 330OHM, J, 1W	
R962	ERDS2TJ330	C 330OHM, J, 1/4W	
R963	ERDS2TJ330	C 330OHM, J, 1/4W	
R964	ERQ14AJ471E	F 470OHM, J, 1/4W	
R965	ERDS2TJ223	C 22KOHM, J, 1/4W	
R966	ERDS1FVJ471T	C 470OHM, J, 1/2W	
R967	ERDS2TJ223	C 22KOHM, J, 1/4W	
R968	ERDS2TJ471	C 470OHM, J, 1/4W	
R969	ERDS2TJ390	C 390OHM, J, 1/4W	
R970	ERDS2TJ2R7	C 2.7OHM, J, 1/4W	
R971	ERDS2TJ2R7	C 2.7OHM, J, 1/4W	
R972	ERDS2TJ390	C 390OHM, J, 1/4W	
R973	ERDS2TJ101	C 100OHM, J, 1/4W	
R975	ERDS2TJ101	C 100OHM, J, 1/4W	
R976	ERDS2TJ101	C 100OHM, J, 1/4W	
R977	ERDS2TJ561	C 560OHM, J, 1/4W	
R978	ERDS2TJ101	C 100OHM, J, 1/4W	
R987	ERDS2TJ471	C 470OHM, J, 1/4W	
R988	ERDS2TJ331	C 330OHM, J, 1/4W	
R992	ERDS2TJ561	C 560OHM, J, 1/4W	
R1051	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R2112	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	
R2113	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	
R2114	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	
R2115	ERJ6GEYJ101	M 100OHM, J, 1/10W	
R2116	ERJ6GEYJ101	M 100OHM, J, 1/10W	
R2117	ERJ6GEYJ101	M 100OHM, J, 1/10W	
R2130	ERJ6GEYJ471	M 470OHM, J, 1/10W	
R2131	ERJ6GEYJ101	M 100OHM, J, 1/10W	
R2301	ERJ6GEYJ151	M 150OHM, J, 1/10W	
R2302	ERQ3CJ4R7H	F 4.7OHM, J, 3W	
R2303	ERQ1CJP102S	F 1KOHM, J, 1W	
R2305	ERJ6GEYJ683	M 68KOHM, J, 1/10W	
R2310	ERJ6GEYJ123	M 12KOHM, J, 1/10W	
R2313	ERJ6GEYJ473	M 47KOHM, J, 1/10W	
R2314	ERJ6GEYJ223	M 22KOHM, J, 1/10W	
R2315	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	
R2316	ERJ6GEYJ102	M 1KOHM, J, 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R2330	ERJ6GEYJ104	M 100KOHM, J, 1/10W	
R2331	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R2801	ERJ6GEYJ683	M 68KOHM, J, 1/10W	
R2803	ERDS2TJ8R2	C 8.2OHM, J, 1/4W	
R2804	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	
R2805	ERJ6GEYJ223	M 22KOHM, J, 1/10W	
R2806	ERJ6GEYJ123	M 12KOHM, J, 1/10W	
R2813	ERDS2TJ8R2	C 8.2OHM, J, 1/4W	
R2814	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	
R2815	ERJ6GEYJ223	M 22KOHM, J, 1/10W	
R2830	ERJ6GEYJ471	M 470OHM, J, 1/10W	
R2831	ERJ6GEYJ471	M 470OHM, J, 1/10W	
R3002	ERJ6GEYJ331	M 330OHM, J, 1/10W	
R3003	ERJ6GEYJ101	M 100OHM, J, 1/10W	
R3004	ERJ6GEYJ101	M 100OHM, J, 1/10W	
R3005	ERJ6GEYJ750	M 75OHM, 1/10W	
R3006	ERJ6GEYJ184	M 180KOHM, J, 1/10W	
R3007	ERJ6GEYJ184	M 180KOHM, J, 1/10W	
R3008	ERJ6GEYJ750	M 75OHM, 1/10W	
R3009	ERJ6GEYJ184	M 180KOHM, J, 1/10W	
R3010	ERJ6GEYJ184	M 180KOHM, J, 1/10W	
R3011	ERJ6GEYJ331	M 330OHM, J, 1/10W	
R3012	ERJ6GEYJ331	M 330OHM, J, 1/10W	
R3013	ERJ6GEYJ331	M 330OHM, J, 1/10W	
R3014	ERJ6GEYJ331	M 330OHM, J, 1/10W	
R3015	ERJ6GEYJ750	M 75OHM, 1/10W	
R3016	ERJ6GEYJ331	M 330OHM, J, 1/10W	
R3017	ERJ6GEYJ331	M 330OHM, J, 1/10W	
R3019	ERJ6GEYJ104	M 100KOHM, J, 1/10W	
R3020	ERJ6GEYJ104	M 100KOHM, J, 1/10W	
R3022	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R3023	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R3030	ERJ6GEYJ221	M 220OHM, J, 1/10W	
R3031	ERJ6GEYJ221	M 220OHM, J, 1/10W	
R3034	ERJ6GEYJ750	M 75OHM, 1/10W	
R3035	ERJ6GEYJ750	M 75OHM, 1/10W	
R3036	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R3040	ERD25V0R00T	C 0OHM, 1/4W	
R3041	ERJ6GEYJ750	M 75OHM, 1/10W	
R3048	ERJ6GEYJ471	M 470OHM, J, 1/10W	
R3049	ERJ6GEYJ471	M 470OHM, J, 1/10W	
R3057	ERJ6GEYJ822	M 8.2KOHM, J, 1/10W	
R3058	ERJ6GEYJ104	M 100KOHM, J, 1/10W	
R3066	ERJ6GEYJ101	M 100OHM, J, 1/10W	
R3067	ERJ6GEY0R00	M 0OHM, J, 1/10W	
R3069	ERD25FJ101	C 100OHM, J, 1/4W	
R3572	ERJ6GEY0R00	M 0OHM, J, 1/10W	
R3573	ERJ6ENF6802	M 68KOHM, 1/10W	
R3574	ERJ6ENF2003	M 200KOHM, 1/10W	
R3575	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W	
R3580	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	
R3581	ERJ6GEYJ223	M 22KOHM, J, 1/10W	
R3583	ERJ6GEY0R00	M 0OHM, J, 1/10W	
R3584	ERJ6GEYJ823	M 82KOHM, J, 1/10W	
R3585	ERJ6GEYJ182	M 1.8KOHM, J, 1/10W	
R3586	ERJ6GEY0R00	M 0OHM, J, 1/10W	
R3587	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	
R5501	ERJ6GEYJ151	M 150OHM, J, 1/10W	
R5502	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R5503	ERJ6ENF1101	M 1.1KOHM, 1/10W	
R5504	ERJ6ENF5231	M 5.23KOHM, 1/10W	
R5505	ERJ6GEYJ331	M 330OHM, J, 1/10W	
R5506	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	
R5507	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R5508	ERJ6GEYJ272	M 2.7KOHM, J, 1/10W	
R5509	ERJ6GEYJ151	M 150OHM, J, 1/10W	
R5510	ERJ6GEYJ152	M 1.5KOHM, J, 1/10W	
R5511	ERJ6GEYJ181	M 180OHM, J, 1/10W	
R5512	ERJ6GEYJ822	M 8.2KOHM, J, 1/10W	
R5513	ERJ6GEYJ152	M 1.5KOHM, J, 1/10W	
R5514	ERJ6GEYJ821	M 820OHM, J, 1/10W	
R5515	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R5516	ERJ6GEYJ151	M 150OHM, J, 1/10W	
R5518	ERJ6GEYJ103	M 10KOHM, J, 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R5521	ERJ6GEYJ221	M 220OHM,J,1/10W	
R5522	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	
R5523	ERD25VJ392	C 3.9KOHM,J, 1/4W	
R5524	ERJ6GEYJ202	M 2KOHM,J,1/10W	
R5525	ERJ6GEYJ241	M 240OHM,J,1/10W	
R5526	ERJ6GEYJ183	M 18KOHM,J,1/10W	
R5528	ERJ6GEYJ392	M 3.9KOHM,J,1/10W	
R5537	ERJ6GEYJ105	M 1MOHM,J,1/10W	
R5538	ERJ6GEYJ105	M 1MOHM,J,1/10W	
R5545	ERJ6GEYJ331	M 330OHM,J,1/10W	
R5546	ERJ6GEYJ103	M 10KOHM,J,1/10W	
R5547	ERJ6GEYJ123	M 12KOHM,J,1/10W	
R5549	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R5554	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R5555	ERJ6ENF3300	M 330OHM, 1/10W	
R5556	ERJ6GEYJ221	M 220OHM,J,1/10W	
R5558	ERJ6GEYJ392	M 3.9KOHM,J,1/10W	
R5559	ERJ6GEYJ472	M 4.7KOHM,J,1/10W	
R5560	ERJ6GEYJ561	M 560OHM,J,1/10W	
R5562	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R5563	ERJ6GEYJ332	M 3.3KOHM,J,1/10W	
R5567	ERJ6GEYJ561	M 560OHM,J,1/10W	
R5568	ERJ6GEYJ101	M 100OHM,J,1/10W	
R5569	ERJ6GEYJ122	M 1.2KOHM,J,1/10W	
R5570	ERJ6GEYJ223	M 22KOHM,J,1/10W	
R5571	ERJ6GEYJ223	M 22KOHM,J,1/10W	
R5572	ERJ6GEYJ103	M 10KOHM,J,1/10W	
R5573	ERJ6GEYJ123	M 12KOHM,J,1/10W	
R5577	ERJ6GEYJ152	M 1.5KOHM,J,1/10W	
R5583	ERJ6ENF2001	M 2KOHM, 1/10W	
R5584	ERJ6GEYJ102	M 1KOHM,J,1/10W	
R5585	ERJ6GEYJ333	M 33KOHM,J,1/10W	
R5586	ERJ6GEYJ561	M 560OHM,J,1/10W	
R5602	ERJ6GEYJ331	M 330OHM,J,1/10W	
R5612	ERJ6GEYJ223	M 22KOHM,J,1/10W	
C358	ECCF1H101J	C 100PF, J, 50V	
C359	ECQM4104KZ	P 0.1UF, K,400V	
C368	ECQV1H224JL	P 0.22UF, J, 50V	
C370	ECKW3D102KBR	C 1000PF, K, 2KV	
C371	ECEA1CN100U	E 10UF, 16V	
C373	ECA2EM100B	E 10UF, 250V	
C377	ECA1CM101B	E 100UF, 16V	
C401	ECA1CM100B	E 10UF, 16V	
C402	ECSF1VE474V	T 0.47UF, 35V	
C403	ECJ2VC1H222J	C 2200PF, J, 50V	
C404	ECJ2VC1H102J	C 1000PF, J, 50V	
C420	ECJ2VC1H102J	C 1000PF, J, 50V	
C421	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C422	ECA1CM221B	E 220UF, 16V	
C425	ECQB1H102JF	P 1000PF, 50V	
C471	F4Y5P4B561K	C 560PF, K, 50V	
C472	ECQB1104JF	P 0.1UF, J,100V	
C473	ECQB1H104JF	P 0.1UF, 50V	
C474	ECKR1H471KB5	C 470PF, K, 50V	
C475	ECA1VM221B	E 220UF, 35V	
C476	ECA1HM101B	E 1UF, 50V	
C477	ECA1VM332E	E 3300UF, 35V	
C478	ECQB1104JF	P 0.1UF, J,100V	
C479	ECQB1123JF	P 0.012UF, J,100V	
C501	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C509	ECA1HM0R1B	E 0.1UF, 50V	
C512	ECEA2CN47S	E 0.47UF, 160V	
C513	ECA2EM220B	E 22UF, 250V	
C514	ECKR2H331KB5	C 330PF, K,500V	
C515	ECKR2H471KB5	C 470PF, K,500V	
C516	ECA1VM332E	E 3300UF, 35V	
C520	ECQM4472JZ	P 4700PF, J,400V	
C530	ECA1HM100B	E 10UF, 50V	
C531	ECKR2H271KB5	C 270PF, K,500V	
C533	ECA1VM470B	E 47UF, 35V	
C534	ECQV1H104JL	P 0.1UF, J, 50V	
C535	ECA160V33UE	E 33UF, 160V	
C543	L7Y5P4B222K	C 2200PF, K,500V	
C544	L7Y5P4B222K	C 2200PF, K,500V	

Ref. No.	Part No.	Part Name & Description	Remarks
C551	ECKW3D122KBR	C 1200PF, K, 2KV	
C553	ECQP1183JZ	P 0.018UF, J,100V	
C554	ECWH20132JVB	P 1300PF, J, 2KV	
C559	ECQM4393JZ	P 0.039UF, J,400V	
C560	ECWH16682JVB	P 6800PF,J,1.6KV	
C580	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C581	ECA1CM471B	E 470UF, 16V	
C583	ECJ2VC1H120J	C 12PF, J, 50V	
C585	ECA1HM4R7B	E 4.7UF, 50V	
C586	ECA1HM470B	E 47UF, 50V	
C613	ECA1CHG101	E 100UF, 16V	
C614	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C623	ECA1CM221B	E 220UF, 16V	
C624	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C625	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C626	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C627	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C630	ECJ2VC1H090C	C 9PF, C, 50V	
C637	ECA1HM010B	E 1UF, 50V	
C638	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C639	ECA1CM100B	E 10UF, 16V	
C640	ECEA1HN010U	E 1UF, 50V	
C641	ECJ2VC1H470J	C 47PF, J, 50V	
C645	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C959	ECKW2H103ZF7	C 0.01UF, Z,500V	
C960	ECCR2H151J	C 150PF, J,500V	
C961	ECA2AM100B	E 10UF, 100V	
C962	ECKW2H103ZF7	C 0.01UF, Z,500V	
C963	ECCF1H151J	C 150PF, J, 50V	
C964	ECA1CHG101	E 100UF, 16V	
C966	ECA1CHG101	E 100UF, 16V	
C967	ECA1CM221B	E 220UF, 16V	
C971	FLB1H103A013	C 0.01UF, 50V	
C1051	ECUX1H101JCX	C 100PF, J, 50V	
C1052	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C1053	ECA1CM221B	E 220UF, 16V	
C1111	ECA1HM4R7B	E 4.7UF, 50V	
C1112	ECA1HM4R7B	E 4.7UF, 50V	
C1120	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C1121	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C1122	ECJ2VC1H471J	C 470PF, J, 50V	
C1123	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C1140	ECA1CM471B	E 470UF, 16V	
C1141	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C1145	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C1146	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C1147	ECA1CM220B	E 220UF, 16V	
C1148	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C1150	ECUX1H151JCX	C 150PF, J, 50V	
C1151	ECUX1H151JCX	C 150PF, J, 50V	
C1152	ECUX1H151JCX	C 150PF, J, 50V	
C1153	ECUX1H330JCX	C 33PF, J, 50V	
C1160	ECJ2VC1H221J	C 220PF, J, 50V	
C1161	ECJ2VC1H221J	C 220PF, J, 50V	
C1162	ECUX1H330JCX	C 33PF, J, 50V	
C1165	ECUX1H101JCX	C 100PF, J, 50V	
C1170	ECUX1H101JCX	C 100PF, J, 50V	
C1171	ECUX1H101JCX	C 100PF, J, 50V	
C1172	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C1173	ECA1HM100B	E 10UF, 50V	
C1180	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C1191	ECJ1VF1H103Z	C 0.01UF, Z, 50V	
C2001	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C2002	ECA1HM101B	E 100UF, 50V	
C2003	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C2004	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C2005	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C2006	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C2007	ECJ2VB1H682K	C 6800PF, K, 50V	
C2008	ECJ2VB1H682K	C 6800PF, K, 50V	
C2101	ECA1CM101B	E 100UF, 16V	
C2102	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C2110	ECJ2VC1H102J	C 1000PF, J, 50V	
C2111	ECJ2VC1H102J	C 1000PF, J, 50V	

Ref. No.	Part No.	Part Name & Description	Remarks
C2112	ECJ2VCIH102J	C 1000PF, J, 50V	
C2113	ECA1HM100B	E 10UF, 50V	
C2115	ECA1HM100B	E 10UF, 50V	
C2120	ECA1HM3R3B	E 3.3UF, 50V	
C2121	ECJ2VF1C105Z	C 1UF, Z, 16V	
C2124	ECA1HM100B	E 10UF, 50V	
C2125	ECJ2VF1C105Z	C 1UF, Z, 16V	
C2127	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C2128	ECA1CM101B	E 100UF, 16V	
C2131	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C2133	ECJ2VCIH070D	C 7PF, D, 50V	
C2134	ECJ2VCIH470J	C 47PF, J, 50V	
C2135	ECJ2VCIH560J	C 56PF, J, 50V	
C3082	ECJ2VBIH682K	C 6800PF, K, 50V	
C3083	ECJ2VBIH682K	C 6800PF, K, 50V	
C3084	ECJ2YB1A824K	C 0.82UF, K,	
C3085	ECEA1HKN010	E 1UF, 50V	
C3094	ECJ2VCIH102J	C 1000PF, J, 50V	
C3095	ECJ2VCIH102J	C 1000PF, J, 50V	
C3101	ECJ2VBIH102J	C 1000PF, 50V	
C3102	ECJ2VBIH102J	C 1000PF, 50V	
C3501	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C3502	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C3503	ECUX1H330JCX	C 33PF, J, 50V	
C3504	ECUX1H330JCX	C 33PF, J, 50V	
C3505	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C3506	ECA1CM471B	E 470UF, 16V	
C3507	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C3508	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C3509	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C3510	ECA1HM100B	E 10UF, 50V	
C3511	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C3512	ECA1HM100B	E 10UF, 50V	
C3513	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C3520	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C3521	ECUX1H151JCX	C 150PF, J, 50V	
C3522	ECJ2VF1C105Z	C 1UF, Z, 16V	
C3523	ECEA1CN100U	E 10UF, 16V	
C3545	ECA1CM101B	E 100UF, 16V	
C3546	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C3550	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C3551	F2A1C222A156	E 2200UF, 16V	
C3552	ECUX1H101JCX	C 100PF, J, 50V	
C3553	ECUX1H101JCX	C 100PF, J, 50V	
C3560	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C3561	F2A1C222A156	E 2200UF, 16V	
C3580	ECJ2VCIH121J	C 120PF, J, 50V	
C3581	ECQP1102GZB	P 1000PF, G, 100V	
C3586	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C3587	ECA1CM221B	E 220UF, 16V	
C5501	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C5503	ECA1HM010B	E 1UF, 50V	
C5504	ECJ2VCIH150J	C 15PF, J, 50V	
C5505	ECJ2VCIH150J	C 15PF, J, 50V	
C5506	ECA1CM101B	E 100UF, 16V	
C5508	ECUX1H101JCX	C 100PF, J, 50V	
C5509	ECJ2VCIH181J	C 180PF, J, 50V	
C5510	ECJ2VBIH103K	C 0.01UF, K, 50V	
C5511	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C5514	ECA1CM101B	E 100UF, 16V	
C5515	ECA1HM010B	E 1UF, 50V	
C5516	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C5517	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C5518	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C5519	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C5520	ECEA1CKA101	E 100UF, 16V	
C5521	ECEA1CKA101	E 100UF, 16V	
C5522	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C5523	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C5524	ECA1CM101B	E 100UF, 16V	
C5526	ECEA1HNR47U	E 0.47UF, 50V	
C5528	ECJ2VCIH680J	C 68PF, J, 50V	
C5529	ECJ2VF1H103Z	C 0.01UF, Z, 50V	
C5530	ECJ2VF1H103Z	C 0.01UF, Z, 50V	

Ref. No.	Part No.	Part Name & Description	Remarks
C5531	ECJ2VBIH103K	C 0.01UF, K, 50V	
C5533	ECEA1CN220U	E 22UF, 16V	
L810	EXCELDR35V	CORE	
L811	EXCELSA35B	BEAD CORE	
L815	EXCELSA39E	BEAD CHOKE	
L816	EXCELDR25V	CORE	
L817	EXCELDR25V	CORE	
L820	EXCELSA39E	BEAD CHOKE	
L821	EXCELDR35V	CORE	
L822	EXCELSA39V	BEAD CORE	
L850	EXCELSA35B	BEAD CORE	
L851	EXCELSA35B	BEAD CORE	
L852	EXCELDR35V	CORE	
L855	EXCELSA35T	BEAD CORE	
L864	TALL08T470KA	INDUCTION COIL	△
L880	G0ZZ00001920	COIL	
L882	EXC3BB102H	CHIP BEAD CORE	
L951	EXCELSA24T	BEAD CORE	
L953	EXCELSA24T	BEAD CORE	
L954	EXCELSA24T	BEAD CORE	
L955	EXCELSA24T	BEAD CORE	
L1120	EXCELSA35T	BEAD CORE	
L1130	EXCELSA35T	BEAD CORE	
L1131	TSKA064-1	BEAD CORE	
L1145	TLUABTA100	PEAKING COIL	
L2130	EXCELSA35T	BEAD CORE	
L2131	EXCELSA35T	BEAD CORE	
L2132	TALV35VB180K	PEAKING COIL	
L2201	EXCELSA39V	BEAD CORE	
L2301	TALL08T270KA	INDUCTION COIL	
L2302	TALL08T270KA	INDUCTION COIL	
L2303	TALL08T100KA	INDUCTION COIL	
L2304	TALL08T100KA	INDUCTION COIL	
L2305	EXCELDR25V	CORE	
L2308	EXCELSA35T	BEAD CORE	
L2310	EXCELSA35T	BEAD CORE	
L2311	EXCELDR25V	CORE	
L2312	EXCELDR25V	CORE	
L2830	EXCELSA35T	BEAD CORE	
L2831	EXCELSA35T	BEAD CORE	
L3111	EXCELSA39V	BEAD CORE	
L3510	TALC325T4R7M	CHIP INDUCTOR COI	
L3511	TALC325T4R7M	CHIP INDUCTOR COI	
L3520	ELJFA5R6JF	CHIP INDUCTOR	
L5501	TLTACT270J	PEAKING COIL 27U	
L5502	TALV35VB100J	PEAKING COIL	
L5504	TALL08T100KA	INDUCTION COIL	
L5505	TLTACT4R7J	PEAKING COIL	
L5506	TALV35VB100J	PEAKING COIL	
L5507	TLTACT180J	PEAKING COIL	
L5509	TLTACT470J	PEAKING COIL	
L5511	TALV35VB100J	PEAKING COIL	
L5513	TLTACT180J	PEAKING COIL	
L5516	ERD25V0R00T	C 00HM, 1/4W	
L5517	TALV35VB100J	PEAKING COIL	
L5518	TALV35VB100J	PEAKING COIL	
L5519	TALV35VB100J	PEAKING COIL	
L5521	EXCELDR25V	CORE	
L5525	TSK1032	BEAD CORE	
L5526	TSK1032	BEAD CORE	
L5527	TSK1032	BEAD CORE	
L5528	TSK1032	BEAD CORE	
L5550	TSK1032	BEAD CORE	
L5551	TSK1032	BEAD CORE	
L5552	TSK1032	BEAD CORE	
D822	AK04	DIODE	
D823	ERA15-01	DIODE	
D824	MA167	DIODE	
D831	MA2560	DIODE	
D850	FMGG2CSLF665	DIODE	
D851	FMLG12S	DIODE	
D853	FMLG12S	DIODE	
D854	FMLG12S	DIODE	
D855	AU02A	DIODE	

Ref. No.	Part No.	Part Name & Description	Remarks
D856	D1NL20UV70	DIODE	
D857	MCR22-6RLRP	THYRISTOR	△
D860	TLP721FD4GR	PHOTO COUPLER	△
D861	MTZJ20D	ZENER DIODE	
D862	MTZJ6.2C	ZENER DIODE	
D865	D1NL20UV70	DIODE	
D866	MTZJ20A	ZENER DIODE	
D870	MTZJ5.6C	ZENER DIODE	
D880	MTZJ6.8B	ZENER DIODE	
D1051	LNH201RGRF5	LED	
D1141	MTZJ5.6A	ZENER DIODE	
D1145	MTZJ5.6A	ZENER DIODE	
D1150	MA165	DIODE	
D1151	MA165	DIODE	
D1152	MA165	DIODE	
D1160	MA152KTX	DIODE	
D1170	MTZJ5.6A	ZENER DIODE	
D1171	MTZJ5.6A	ZENER DIODE	
D1172	MTZJ5.6A	ZENER DIODE	
D1201	MA165	DIODE	
D2302	MTZJ5.1B	ZENER DIODE	
D2331	MA152KTX	DIODE	
D2332	MA152KTX	DIODE	
D2333	MA152KTX	DIODE	
D3540	MA152KTX	DIODE	
D3550	MA3082MTX	DIODE	
D3580	MA152KTX	DIODE	
	INTEGRATED CIRCUITS		
IC351	TDA6103Q-N3	LINEAR IC	
IC420	BA225	IC	
IC451	LA7833S	LINEAR IC	
IC601	TB1251CN	IC	
IC801	C5HABZZ00014	IC	△
IC860	SE140N	LINEAR IC	
IC873	AN7805F	LINEAR IC	
IC881	AN7812LB	LINEAR IC	
IC882	AN7809	LINEAR IC	
IC884	PQ05RD1B	LINEAR IC	
IC885	AN78L05	LINEAR IC	
IC1051	GP1U252Q	REMOCON RECEIVER	
IC1101	MN1873287TE	IC	
IC1102	TVR4GAS144	EEPROM IC	
IC1103	S-80741AL-Z	LINEAR IC	
IC2101	MSP3460GAB83	IC	
IC2301	TDA7481	LINEAR IC	
IC2801	TDA2616/N1	IC	
IC3001	CLAB00000790	LINEAR IC	
IC3501	TVR4G4-1	TELETEXT IC	
IC3502	TC7MBD3245KL	IC	
IC3503	TVR4GAS178	EEPROM IC	
IC3504	PQ1R33	LINEAR IC	
IC3505	SI-3025KS-TL	IC	
IC3506	PST9128NR	IC (LOGIC)	
IC3507	TC4066BFN	IC	
Q5503	BLABCF000078	TRANSISTOR	
Q5504	BLABCF000078	TRANSISTOR	
Q5505	BLABCF000078	TRANSISTOR	
Q5511	BLABCF000078	TRANSISTOR	
Q5515	BLABCF000078	TRANSISTOR	
Q5516	2SA1037AKT	TRANSISTOR	
Q5517	BLABCF000078	TRANSISTOR	
Q5518	BLABCF000078	TRANSISTOR	
Q5519	BLABCF000078	TRANSISTOR	
Q5521	BLABCF000078	TRANSISTOR	
Q5522	BLABCF000078	TRANSISTOR	
Q5530	2SA1037AKT	TRANSISTOR	
Q5537	BLABCF000078	TRANSISTOR	
Q5538	2SA1037AKT	TRANSISTOR	
Q5540	BLABCF000078	TRANSISTOR	
Q5541	2SA1037AKT	TRANSISTOR	
Q5542	BLABCF000078	TRANSISTOR	
Q5545	BLABCF000078	TRANSISTOR	
Q5630	BLABCF000078	TRANSISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
	OTHERS		
A8	K1KB08A00054	8P CONNECTOR	
A9	K1KB09A00027	CONNECTOR	
A11	TJSF17335	CONNECTOR	
A15	TJS118590	2P CONNECTOR	
A16	TJS3A9660	CONNECTOR	
A17	TJS3A9660	CONNECTOR	
A18	TJS3A9640	3P CONNECTOR	
A19	TJS3A9640	3P CONNECTOR	
A20	TJS4G8020	16P CONNECTOR	
A22	TJS4G8020	16P CONNECTOR	
A23	TJS3A9650	4P CONNECTOR	
A24	TJS3A9660	CONNECTOR	
A41	TJS3A9680	7P CONNECTOR	
A50	TJSF29204	CONNECTOR	
F801	XBA2C40TR0	FUSE 250V 4A	△
H11	TJSF17435	35P CONNECTOR	
H15	K1KA02B00044	2P CONNECTOR	
JA2	ERJ6GEY0R00	M 00HM, J, 1/10W	
JA6	ERJ6GEY0R00	M 00HM, J, 1/10W	
JA10	ERJ6GEY0R00	M 00HM, J, 1/10W	
JK1	TJB4G647	FRONT AV TERMINAL	
JK351	K3B10CA00040	CRT SOCKET	△
JK3001	K4BK32A00003	REAR AV TERMINAL	
JS580	ERJ6GEY0R00	M 00HM, J, 1/10W	
JS654	ERJ6GEY0R00	M 00HM, J, 1/10W	
JS861	ERJ6GEY0R00	M 00HM, J, 1/10W	
JS881	ERJ6GEY0R00	M 00HM, J, 1/10W	
JS1165	ERJ6GEY0R00	M 00HM, J, 1/10W	
JS2150	ERJ6GEY0R00	M 00HM, J, 1/10W	
JS2822	ERJ6GEY0R00	M 00HM, J, 1/10W	
JS3093	ERJ6GEY0R00	M 00HM, J, 1/10W	
JS3094	ERJ6GEY0R00	M 00HM, J, 1/10W	
JS3095	ERJ6GEY0R00	M 00HM, J, 1/10W	
JS3096	ERJ6GEY0R00	M 00HM, J, 1/10W	
JS3097	ERJ6GEY0R00	M 00HM, J, 1/10W	
JS3098	ERJ6GEY0R00	M 00HM, J, 1/10W	
JS3104	TSK1032	BEAD CORE	
JS3105	TSK1032	BEAD CORE	
JS3502	ERJ6GEY0R00	M 00HM, J, 1/10W	
JS3503	ERJ6GEY0R00	M 00HM, J, 1/10W	
JS3504	ERJ6GEY0R00	M 00HM, J, 1/10W	
JS3506	ERJ6GEY0R00	M 00HM, J, 1/10W	
JS3507	ERJ6GEY0R00	M 00HM, J, 1/10W	