

Service Manual



Colour Television

TX-29PX20D

TX-29PX20F

TX-29PX20P

EURO- 9S Chassis

SPECIFICATIONS

Power Source:	220-240V a.c., 50Hz	AV2 IN	Video (21 pin) Audio (21 pin) S-Video IN (21-pin)	1V p-p 75Ω 500mV rms 10kΩ Y: 1V p-p 75Ω C:0,3V p-p 75Ω
Power Consumption:	107W	AV2 OUT	Video (21 pin) Audio (21 pin)	1V p-p 75Ω 500mV rms 1kΩ
Stand-by Power Consumption:	0,6W	AV3 IN	S-Video IN (4-pin) Audio (RCAX2) Video (RCAX1)	Y: 1V p-p 75Ω C:0,3V p-p 75Ω 500mV rms 10kΩ 1V p-p 75Ω
Aerial Impedance:	75Ω unbalanced, Coaxial Type	AV4 IN	Video (21 pin) Audio (21 pin) RGB (21 pin) S-Video IN (21-pin)	1V p-p 75Ω 500mV rms 10kΩ 0,7V p-p 75Ω Y: 1V p-p 75Ω C:0,3V p-p 75Ω
Receiving System:	PAL-I, B/G, D/K, PAL-525/60 SECAM B/G, D/K, L/L' M.NTSC (AV only) NTSC (AV only)	AV4 OUT	Video (21 pin) Audio (21 pin)	1V p-p 75Ω 500mV rms 1kΩ
Receiving Channels:		AV4C IN	Video (RCAX3)	Y:1V p-p 75Ω Pb, Pr: 0,7V p-p 75Ω
VHF E2-E12	VHF H1-H2 (ITALY)	High Voltage:	30,5kV ± 1kV	
VHF A-H (ITALY)	VHF R1-R2	Picture Tube:	A68ELO50X71	68cm
VHF R3-R5	VHF R6-R12	Audio Output:	2x10W RMS, 2x20W MPO, 8Ω impedance	
UHF E21-E69	CATV (S01-S05)	Headphones:	8Ω Impedance	
CATV S1-S10 (M1-M10)	CATV S11-S20 (U1-U10)	Accessories supplied :	Remote Control 2 x R6 (UM3) Batteries	
CATV S21-S41 (HYPERBAND)		Dimensions:	Height: 586mm Width: 781mm Depth: 531mm	
Intermediate Frequency:		Net weight:	49,5kg	
Video/Audio	38,9MHz, 33,9MHz 33,4MHz (B/G), 33,16MHz (A2) 33,05MHz (NICAM B/G,D/K,L) 32,4MHz (D/K),32,66MHz (CZ STEREO) 40,4MHz (L'), 39,75MHz (L'NICAM) 34,47MHz (PAL)			
Colour	34,5MHz, 34,65MHz (SECAM) 38,3MHz, 38,15MHz (SECAM L')			
Terminals:				
AUDIO MONITOR OUT	Audio (RCAX2) 500mV rms 1kΩ			
AV1 IN	Video (21 pin) 1V p-p 75Ω Audio (21 pin) 500mV rms 10kΩ RGB (21 pin) 0,7V p-p 75Ω			
AV1 OUT	Video (21 pin) 1V p-p 75Ω Audio (21 pin) 500mV rms 1kΩ			

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

CONTENTS

SAFETY PRECAUTIONS	2
SERVICE HINTS	3
ADJUSTMENT PROCEDURE AND SELF-CHECK	4
WAVEFORM PATTERN TABLE	5
ALIGNMENT SETTINGS	6
BLOCK DIAGRAMS	7
PARTS LOCATION	12
REPLACEMENT PARTS LIST	13
SCHEMATIC DIAGRAMS	26
CONDUCTOR VIEWS	30

SAFETY PRECAUTION

GENERAL GUIDE LINES

1. It is advisable to insert an isolation transformer in the a.c. supply before servicing a hot chassis.
2. When servicing, observe the original lead dress in the high voltage circuits. If a short circuit is found, replace all parts that have been overheated or damaged by the short circuit.
3. After servicing, see that all the protective devices such as insulation barriers, insulation papers, shields and isolation R-C combinations are correctly installed.
4. When the receiver is not being used for a long period of time, unplug the power cord from the a.c. outlet.
5. Potentials as high as 31,5kV are 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 familiar with the precautions necessary when working on high voltage equipment. Always discharge the anode of the tube.
6. After servicing make the following leakage current checks to prevent the customer from being exposed to shock hazard.

LEAKAGE CURRENT COLD CHECK

1. Unplug the a.c. cord and connect a jumper between the two prongs of the plug.
2. Turn on the receiver's power switch.
3. Measure the resistance value with an ohmmeter, between the jumpered a.c. plug and each exposed metallic cabinet part on the receiver, such as screw heads, aeriels, connectors, control shafts etc. When the exposed metallic part has a return path to the chassis, the reading should be between 4M ohm and 20M ohm. When the exposed metal does not have a return path to the chassis, the reading must be infinite.

LEAKAGE CURRENT HOT CHECK

1. Plug the a.c. cord directly into the a.c. 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 receiver and an earth, such as a water pipe.
3. Use an a.c. voltmeter with high impedance to measure the potential across the resistor.

4. Check each exposed metallic part and check the voltage at each point.
5. Reverse the a.c. plug at the outlet and repeat each of the previous measurements.
6. The potential at any point should not exceed 1,4 Vrms. In case a measurement is outside the 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.

HOT CHECK CIRCUIT

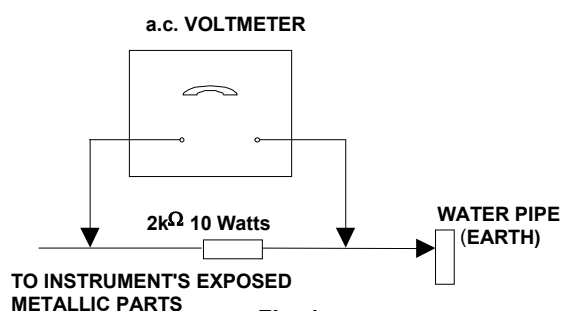


Fig. 1.

X-RADIATION WARNING

1. The potential sources of X-Radiation in TV sets are the high voltage section and the picture tube.
2. When using a picture tube test jig for service, ensure that the jig is capable of handling 31,5kV without causing X-Radiation.

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

1. Set the brightness to minimum.
2. Measure the high voltage. The meter should indicate: 30,5kV $\pm$ 1kV.
If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure.
3. To prevent any X-Radiation possibility, it is essential to use the specified tube.

SERVICE HINTS

How to remove the rear cover

1. Remove the 9 screws as shown in Fig.2.



Fig. 2

LOCATION OF CONTROLS

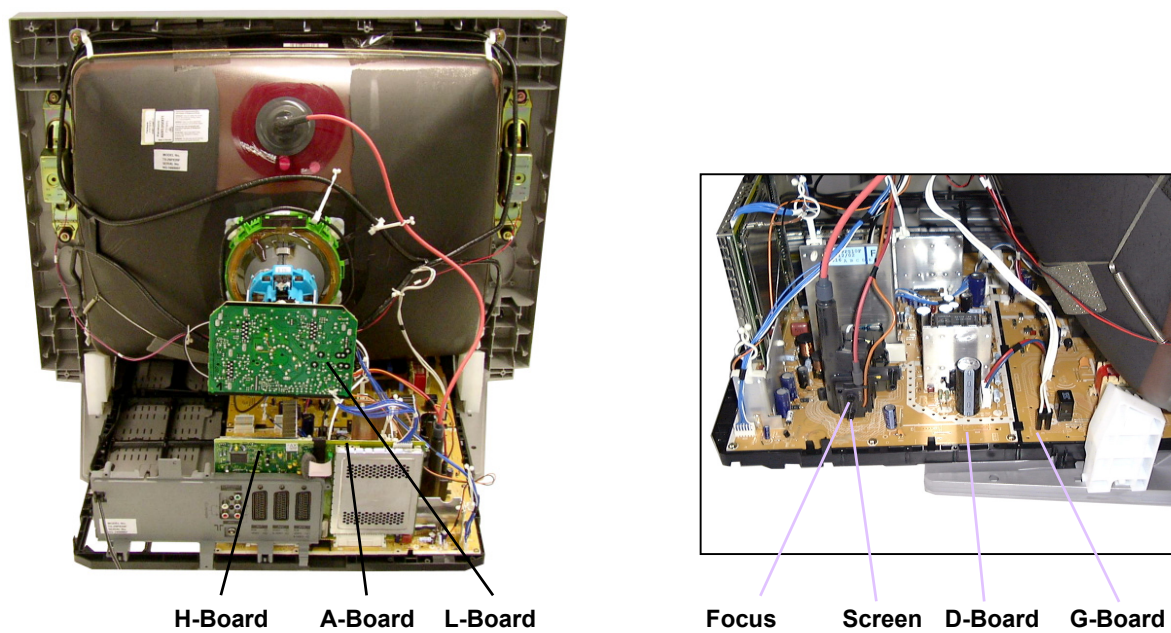


Fig. 3

ADJUSTMENT PROCEDURE

Item / Preparation	Adjustments																																																																								
+B SET-UP 1. Receive a Window pattern. 2. Set the controls : Brightness Minimum Contrast Minimum Volume Minimum	Confirm the following voltages: <table><tr><td>TPD1</td><td>205</td><td>±</td><td>10V</td><td>TPD11</td><td>5</td><td>±</td><td>0,5V</td></tr><tr><td>TPD2</td><td>137</td><td>±</td><td>2V</td><td>TPD12</td><td>3,3</td><td>±</td><td>0,1V</td></tr><tr><td>TPD3</td><td>42</td><td>±</td><td>2V</td><td>TPD13</td><td>2,5</td><td>±</td><td>0,1V</td></tr><tr><td>TPD5</td><td>42</td><td>±</td><td>2V</td><td>TPD14</td><td>3,3</td><td>±</td><td>0,1V</td></tr><tr><td>TPD6</td><td>12,5</td><td>±</td><td>1V</td><td>TPD15</td><td>5</td><td>±</td><td>0,5V</td></tr><tr><td>TPD7</td><td>-12,5</td><td>±</td><td>1V</td><td>TPD16</td><td>5</td><td>±</td><td>0,5V</td></tr><tr><td>TPD8</td><td>30,5</td><td>±</td><td>1V</td><td>TPG3</td><td>7,5</td><td>±</td><td>0,5V</td></tr><tr><td>TPD9</td><td>9</td><td>±</td><td>1V</td><td>TPG5</td><td>300</td><td>±</td><td>10V</td></tr><tr><td>TPD10</td><td>8</td><td>±</td><td>0,5V</td><td></td><td></td><td></td><td></td></tr></table>	TPD1	205	±	10V	TPD11	5	±	0,5V	TPD2	137	±	2V	TPD12	3,3	±	0,1V	TPD3	42	±	2V	TPD13	2,5	±	0,1V	TPD5	42	±	2V	TPD14	3,3	±	0,1V	TPD6	12,5	±	1V	TPD15	5	±	0,5V	TPD7	-12,5	±	1V	TPD16	5	±	0,5V	TPD8	30,5	±	1V	TPG3	7,5	±	0,5V	TPD9	9	±	1V	TPG5	300	±	10V	TPD10	8	±	0,5V				
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CUT OFF / Ug2 Test 1. Receive a Window pattern. 2. Normalize the TV set. 3. Set brightness: minimum.	To adjust Cutoff connect an oscilloscope to the Blue cathode. Adjust the screen VR until the black level is 170V +0V/-5V. Black Level 170V+0V/-5V GND																																																																								

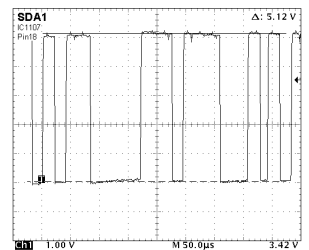
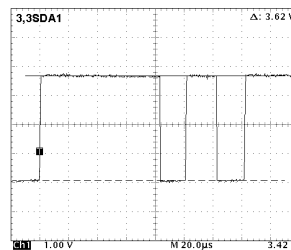
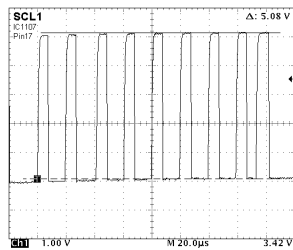
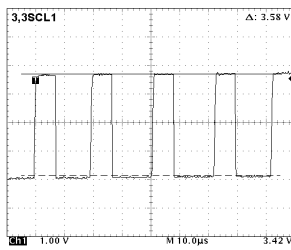
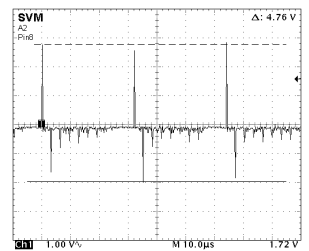
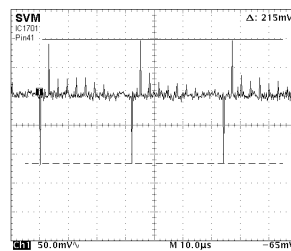
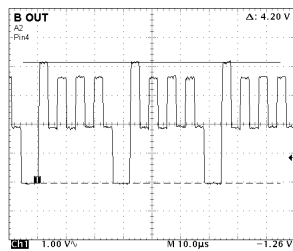
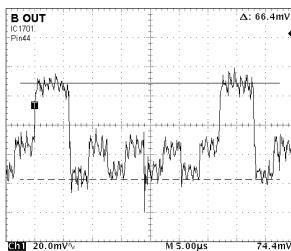
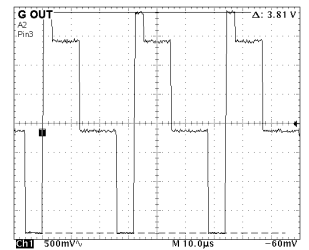
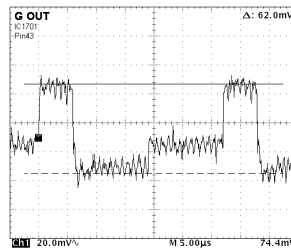
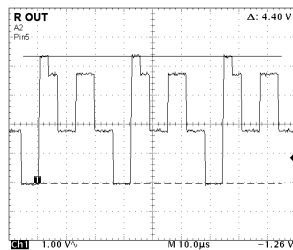
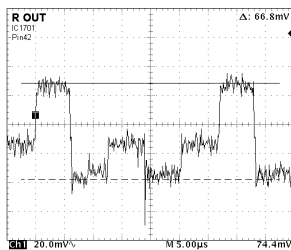
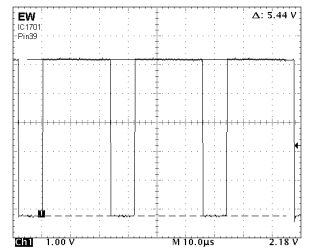
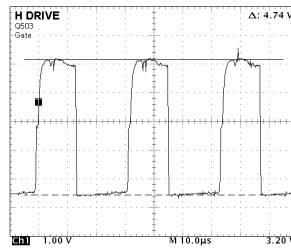
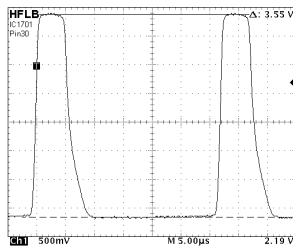
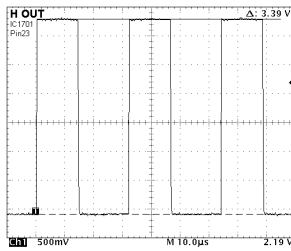
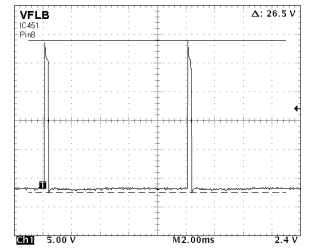
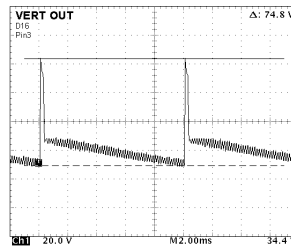
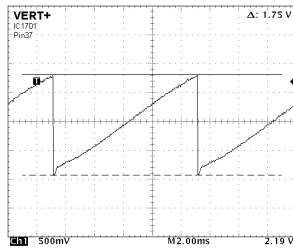
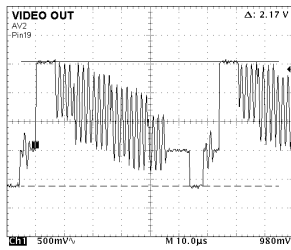
SELF CHECK

Self-check is used to automatically check the bus lines and hexadecimal code of the TV set. To enter Self-Check mode, press the **STATUS** button on the remote control and at the same time press the down **(-V)** button on the customer controls at the front the TV set. To exit Self Check, switch off the TV set at the power button.

E2	O.K.	SUM	****
DDP	O.K.		
VSP	O.K.		
AVSW	O.K.		
TUN	O.K.		
MSP	O.K.		
DPL	---		
MAS	---		
		TX-29PX20D	TX-29PX20F TX-29PX20P
OPTION 1	0F		0F
OPTION 2	00		00
OPTION 3	A9		A9
OPTION 4	11		11
OPTION 5	00		00
OPTION 6	25		25
OPTION 7	7F		7F
OPTION 8	D0		50
OPTION 9	00		00
OPTION 10	80		80
OPTION 11	09		09
OPTION 12	00		00
OPTION 13	08		08
CHECK	CE		4E

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

WAVEFORM PATTERN TABLE



CONDITIONS: CONTRAST...MAX, BRIGHTNESS...MID, COLOUR...MID, SHARPNESS...MID

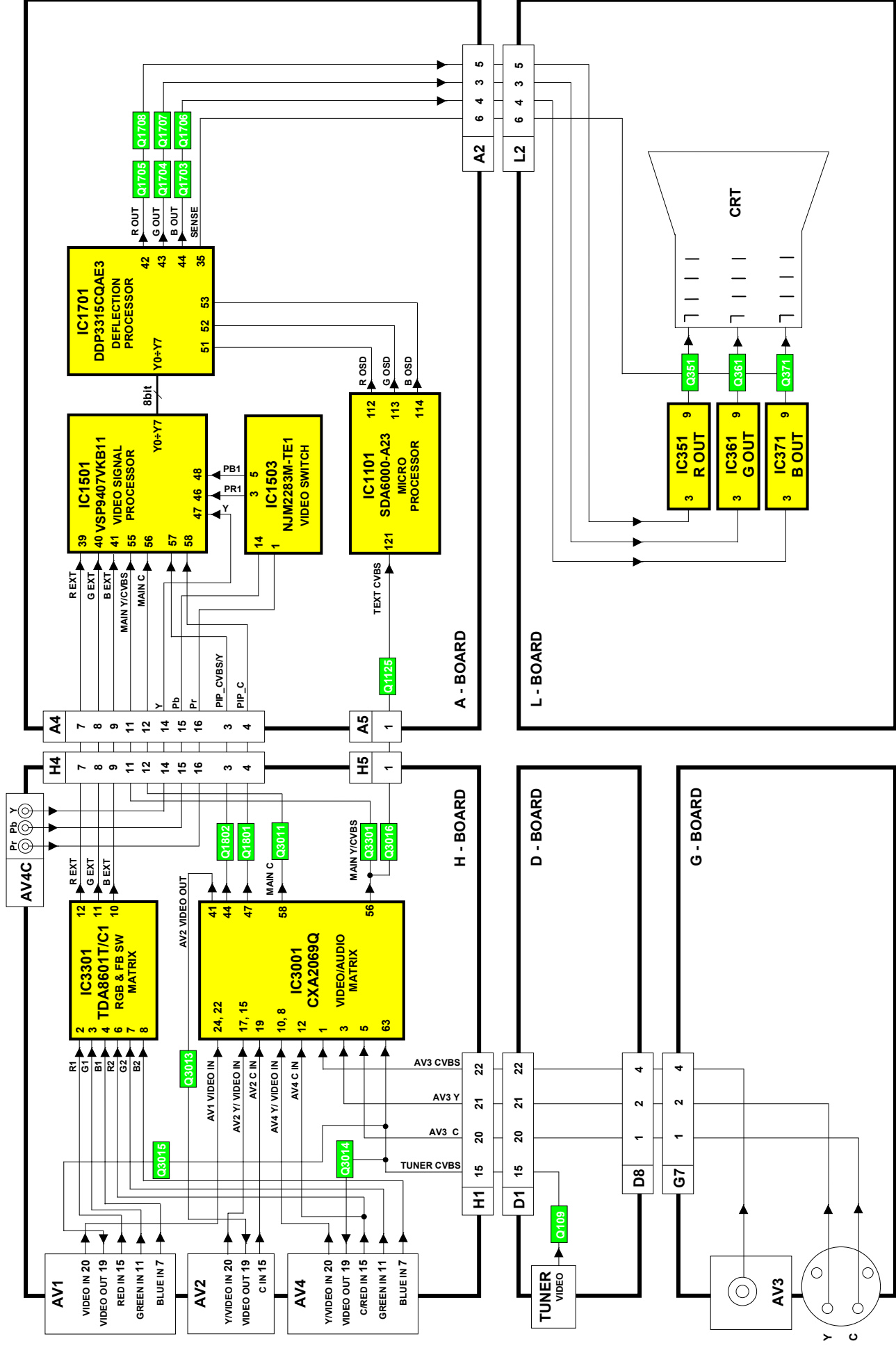
ALIGNMENT SETTINGS

(The figures below are nominal and used for representative purposes only.)

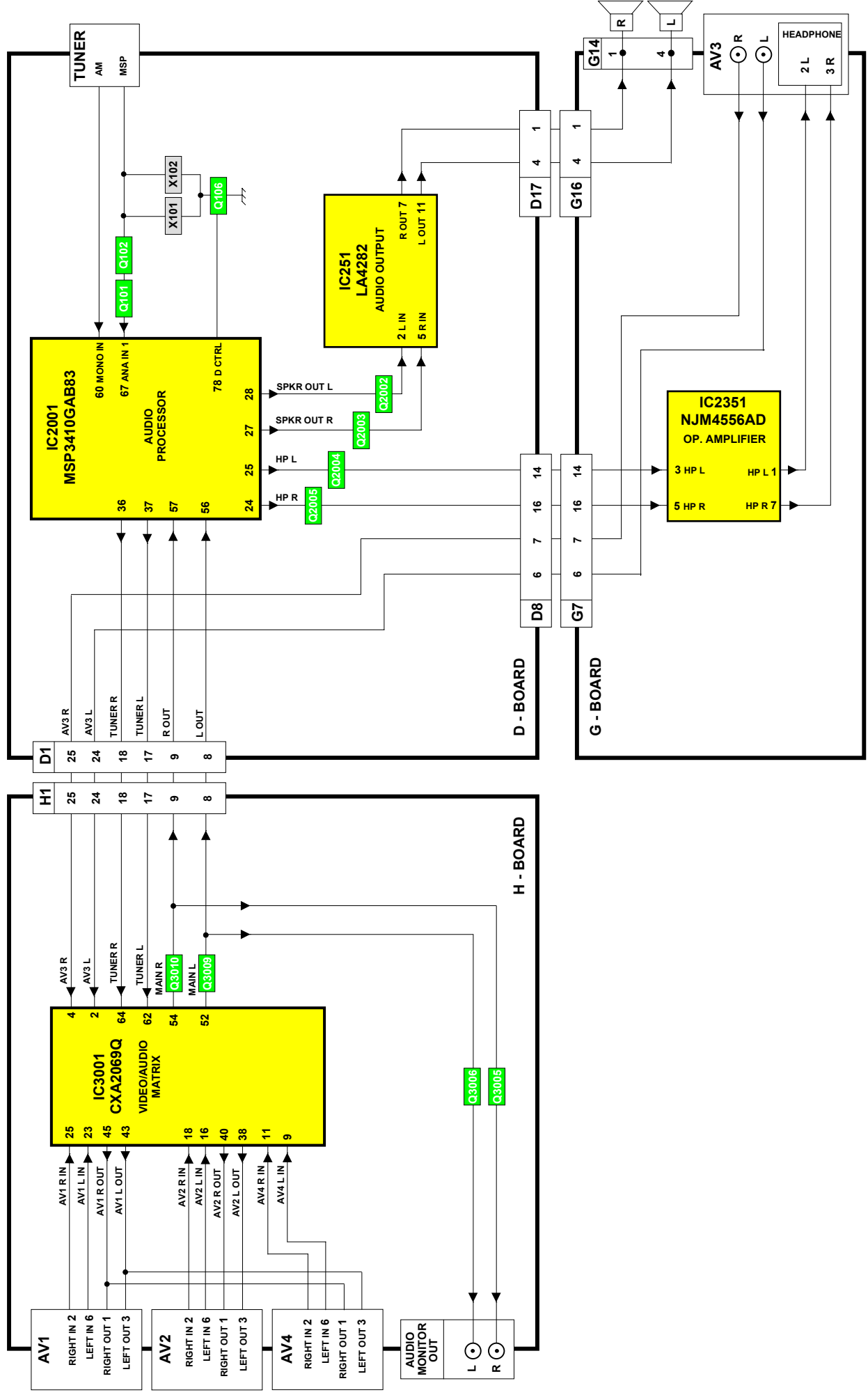
1. Set the Bass to maximum position, set the Treble to minimum position, set the Volume to minimum then press the down button (-V) on the customer controls at the front of the TV and at the same time press the **INDEX** button on the remote control, this will place the TV into the Service Mode 1.
2. Press the **RED / GREEN** buttons to step up / down through the functions.
3. Press the **YELLOW / BLUE** buttons to alter the function values.
4. Press the **STR** button after each adjustment has been made to store the required values.
5. To exit the Service Mode, press the "**N**" button.

Alignment Function	Setting indication Note: All setting values are approximate	Settings / Special features
Horizontal Position	H-Pos 31	Optimum setting.
Vertical Position	V-Pos -44	Optimum setting.
Horizontal Amplitude	H-Amp -4	Optimum setting.
Vert. Amplitude	V-Amp -11	Optimum setting.
EW-amplitude	EW-Amp 1 - 35	Optimum setting.
Lower Corner	Lower Corner 4	Optimum setting.
Trapezium-comp	Trapez 1 -4	Optimum setting.
Upper Corner	Upper Corner 1	Optimum setting.
Vertical Symmetry	V-Sym -13	Optimum setting.
Vertical Linearity	V-Lin 34	Optimum setting.
Angle	Angle 0	Optimum setting.
Bow	Bow 1	Optimum setting.
DVCO	DVCO -1	Receive a PAL Colour Bar Pattern. For DVCO alignment press " Blue " button, wait until the colours are changing slowly and press " STR ".
Highlight Lowlight	High 0373 0343 0350 Low 0161 0154 0160	Optimum setting.
Sub-Brightness	Sub-Brightness -13	Optimum setting.

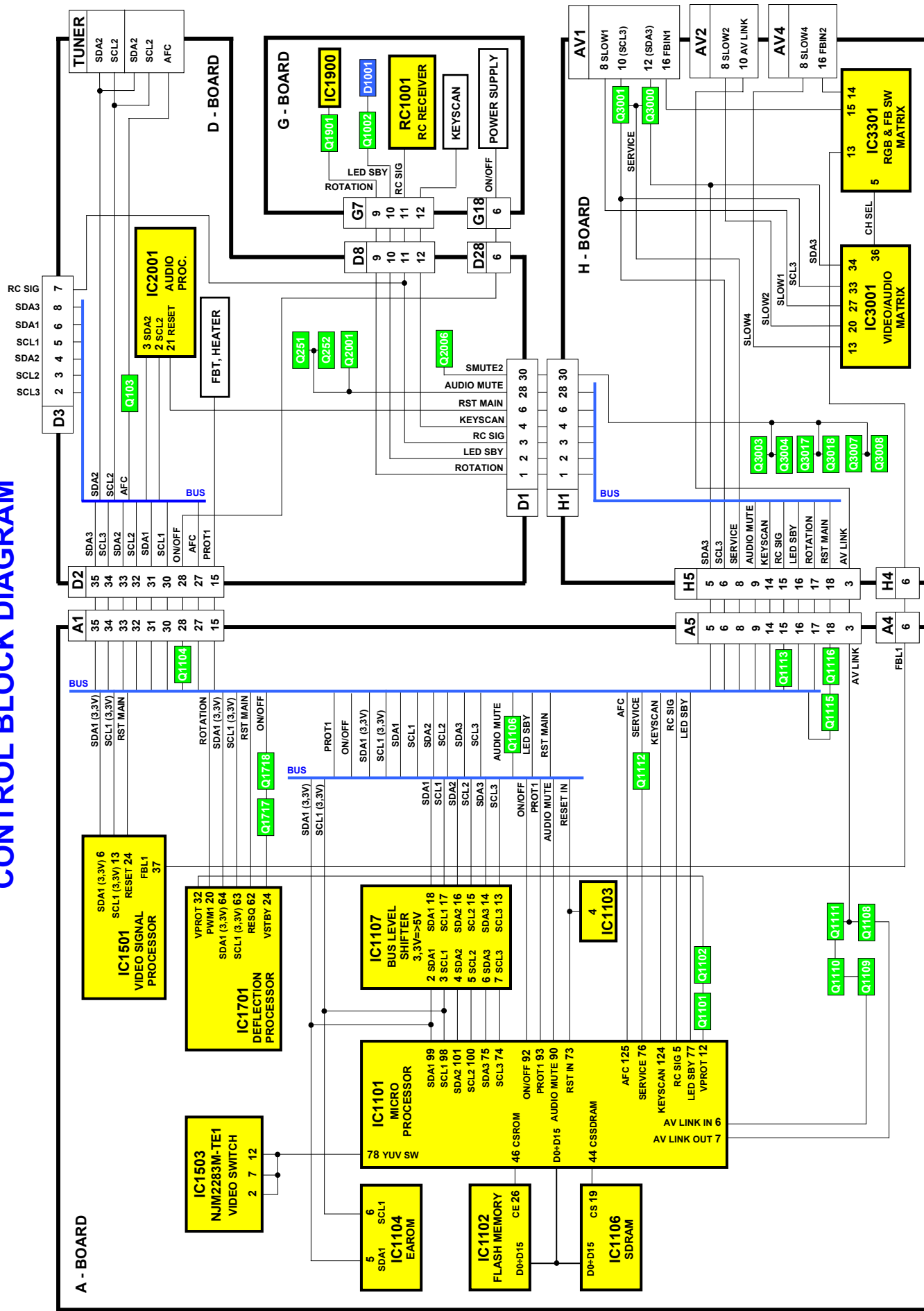
VIDEO BLOCK DIAGRAM



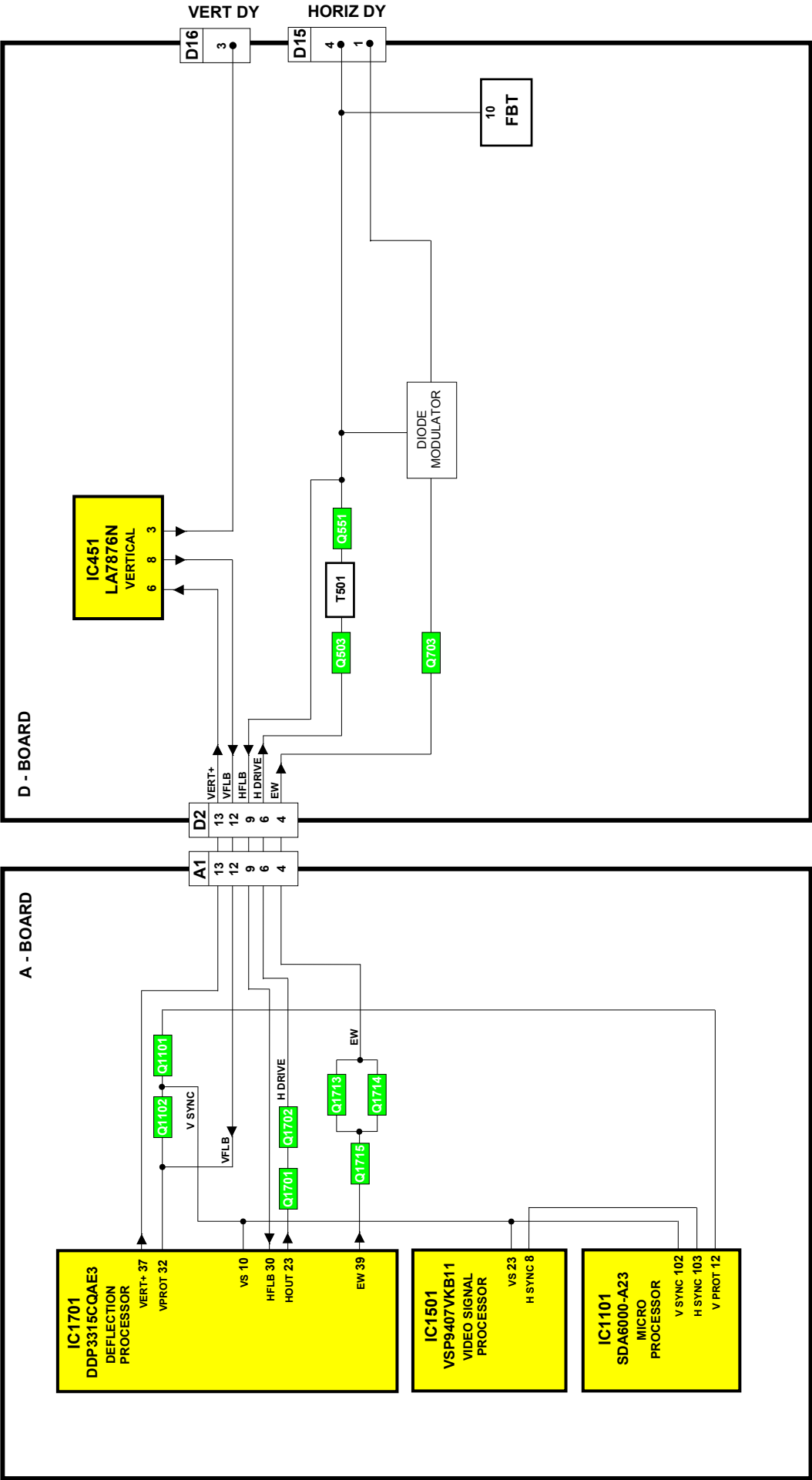
AUDIO BLOCK DIAGRAM



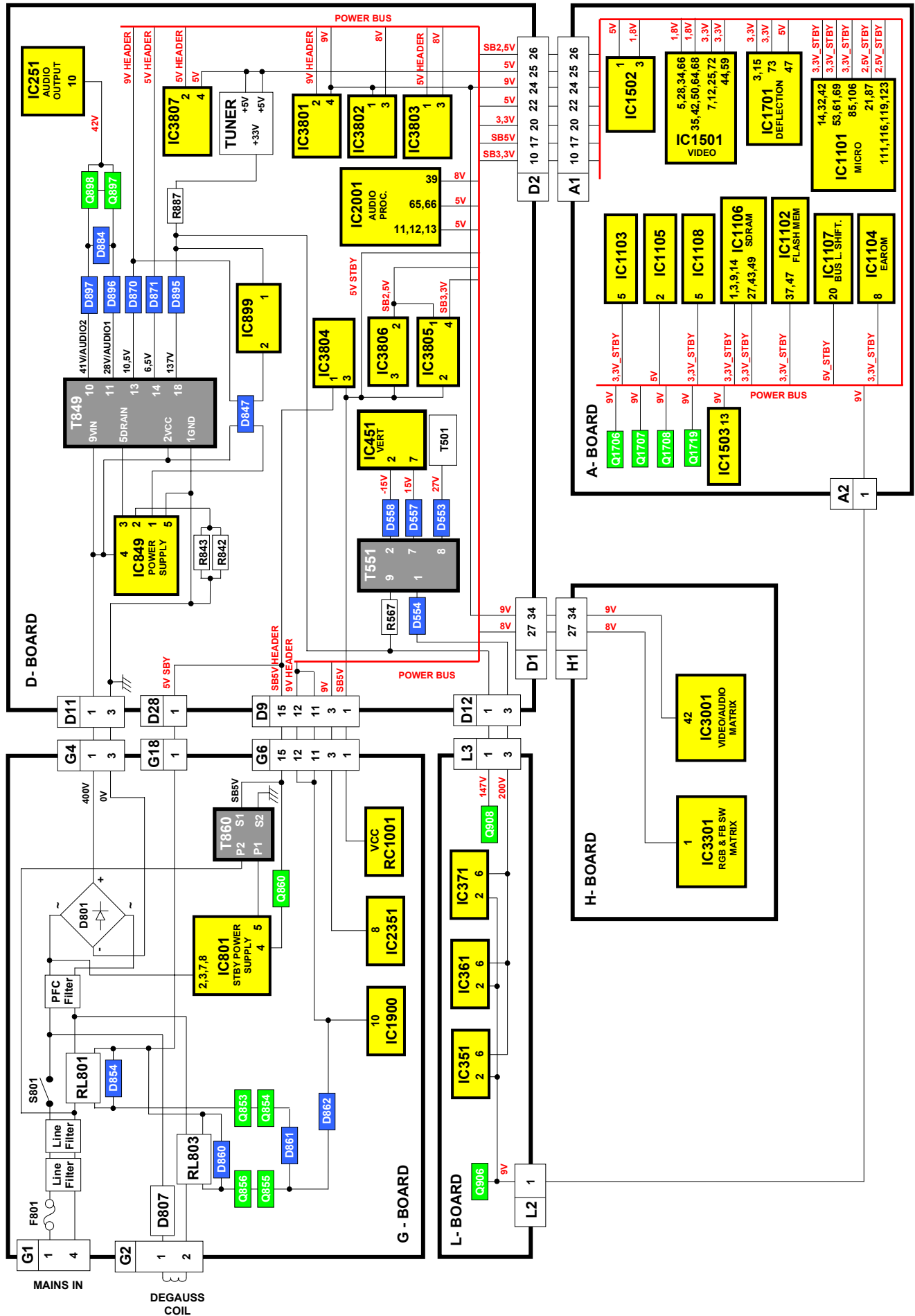
CONTROL BLOCK DIAGRAM



DEFLECTION BLOCK DIAGRAM



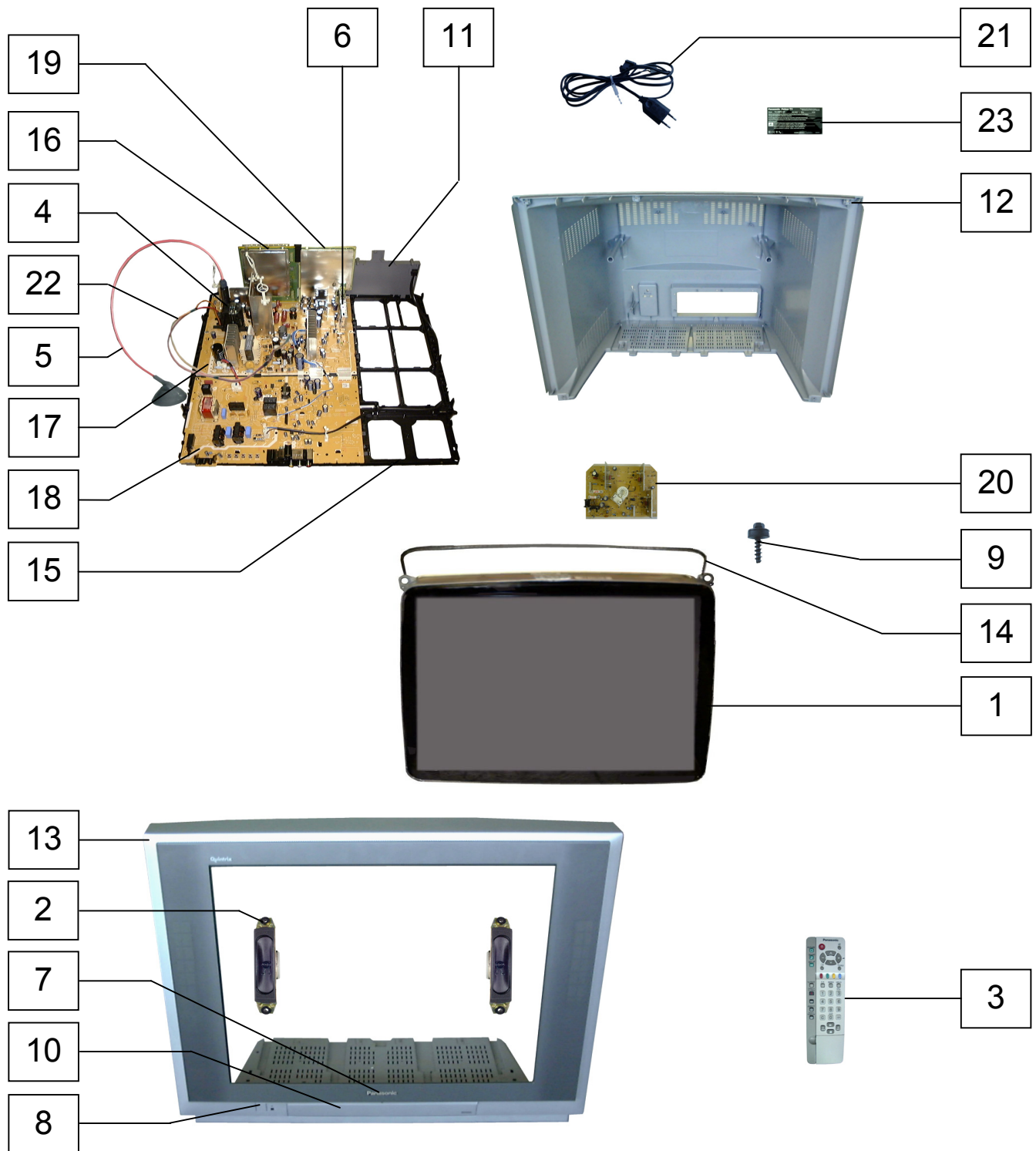
POWER SUPPLY BLOCK DIAGRAM



PARTS LOCATION

NOTE:

The numbers on the exploded view below refer to the exploded view section of the Replacement Parts List.



REPLACEMENT PARTS LIST

Important Safety Notice

Components Identified by  mark have special characteristics important for safety.
 * When replacing any of these components, use only manufacturers specified parts.
 In case of ordering these spare parts, please always add the complete Model-Type number to your order.

Cct Ref	Parts Number	Description	
COMMON PARTS			
EXPLODED VIEW			
1	A68ELO50X71	C.R.T.	
2	EASG16S503F2	SPEAKER	
3	EUR511268	REMOTE CONTROL	
4	KFT4AA432F	F.B.T.	
5	KFT7CM446F1	ANODE LEAD	
6	TADF4-301B	TUNER	
7	TBM0E0101	PANASONIC BADGE	
8	TBX0E80700	POWER BUTTON	
9	THT1062	CRT FIXING SCREW	
10	TKP0E11501	DOOR LID	
11	TKP0E11803	AV PANEL	
12	TKU0E0120	BACK COVER	
13	TKY0E0123	CABINET	
14	TLK8E05195	DEGAUSS COIL	
15	TMX0E404-1	CHASSIS FRAME	
16	TNP8EA007CN	A P.C.B.	
17	TNP8ED005BL	D P.C.B.	
18	TNP8EG005AT	G P.C.B.	
19	TNP8EH008AX	H P.C.B.	
20	TNP8EL020AV	L P.C.B.	
21	TXASX01DBYG1	AC CORD	
22	TXJ/FC0DEG1	FOCUS LEAD ASSY	
MISCELLANEOUS COMPONENTS			
.	R6RC/2P	BATTERY	
.	TBLG3019	SET FOOT (FRONT)	
.	TBLG3020	SET FOOT (REAR)	
.	TBM0E0080	PRESET LABEL	
.	TBM0E0081	PRESET LABEL	
.	TEK6935	LID SWITCH	
.	TES8E20	POWER BUTTON SPRING	
.	TKE0E0201	FRONT PANEL	
.	TKK0E9507	CRT SUPPORT BRACKET R	
.	TKK0E9508	CRT SUPPORT BRACKET L	
.	TKP0E11601	DOOR LID PANEL	
.	TKP0E11701	LED COVER	
.	TLK8E05196	ROTATION COIL	
.	TMW8E050-2	LED HOLDER	
.	TMW8E056-1	PCB CLIP	
.	TPC0E42901	CARTON	
.	TPD0E0030	BOTTOM CUSHION	
.	TPD0E0031	TOP CUSHION	
CKN2	TMM8E18027	SPACER	

Cct Ref	Parts Number	Description	
I.C.s			
IC251	LA4282	AUDIO OUTPUT	
IC351	TDA6111Q/N4	RGB OUTPUT	
IC361	TDA6111Q/N4	RGB OUTPUT	
IC371	TDA6111Q/N4	RGB OUTPUT	
IC451	LA7876N	VERTICAL OUTPUT	
IC801	MIP0254SPSCF	STANDBY CONTROL IC	
IC849	STRF6656LF57	POWER SUPPLY	
IC899	SE130N	ERROR AMPLIFIER	
IC1101	SDA6000-A23	MICRO PROCESSOR	
IC1102	EDF2/040/0F	8MEG FLASH 29LV800BTC7	
IC1103	PST9128NR	SYSTEM RESET	
IC1105	C0EAH0000105	MOS LOGI IC	
IC1106	C3ABPG000102	64M SDRAM	
IC1107	TC7MBD3245FK	BUS LEVEL SHIFTER	
IC1108	74LVC1GU04GW	INVERTER	
IC1501	VSP9407VKB11	VIDEO PROCESSOR	
IC1502	BA18BC0FP	REGULATOR	
IC1503	NJM2283M-TE1	VIDEO SWITCH	
IC1701	DDP3315CQAG3	DEFLECTION PROCESSOR	
IC1900	LA6515	EARTH CORRECTION	
IC2001	MSP3410GAB83	AUDIO PROCESSOR	
IC2351	NJM4556AD	HEADPHONE AMPLIFIER	
IC3001	CXA2069Q-TL	A/V MATRIX SWITCH	
IC3301	TDA8601T/C1	RGB, FB MATRIX	
IC3801	BA09ST-V5	REGULATOR	
IC3802	BA08T	REGULATOR	
IC3803	BA033T	3.3V REGULATOR	
IC3804	BA05T	REGULATOR	
IC3805	BA033ST-V5	REGULATOR	
IC3806	LD1117V25C	REGULATOR	
IC3807	BA05ST-V5	REGULATOR	
RC1001	RPM-6937	LED RECEIVER	
FUSES			
F801-L	EYF52BC	FUSE HOLDER	
F801-R	EYF52BC	FUSE HOLDER	
F801	S5055AC	FUSE	
R2810	TSF19252	FS LINK	
DIODES			
D101	MA3020TX	DIODE	
D102	MA3020TX	DIODE	
D103	1SS355TE-17	DIODE	
D251	MA700ATA	DIODE	
D252	MA700ATA	DIODE	
D351	ERA15-04V3	DIODE	
D352	ERA15-04V3	DIODE	
D361	ERA15-04V3	DIODE	
D362	ERA15-04V3	DIODE	
D371	ERA15-04V3	DIODE	
D372	ERA15-04V3	DIODE	

Cct Ref	Parts Number	Description
D376	1SS355TE-17	DIODE
D377	1SS355TE-17	DIODE
D378	1SS355TE-17	DIODE
D387	MA2160LFS	DIODE
D454	EU02V0	DIODE
D456	MTZJT-775.6C	DIODE
D457	1SS133T-77	DIODE
D458	EU02V0	DIODE
D501	1SS133T-77	DIODE
D502	EU02V0	DIODE
D503	1SS133T-77	DIODE
D504	1SS133T-77	DIODE
D505	MTZJT-7710D	DIODE
D553	EU02V0	DIODE
D554	EU02V0	DIODE
D555	1SS133T-77	DIODE
D556	UDZSTE-1722B	DIODE
D557	ERB93-02E	DIODE
D558	ERB93-02E	DIODE
D559	1SS133T-77	DIODE
D560	RH3GLF102	DIODE
D563	EU02V0	DIODE
D565	EU02V0	DIODE
D575	MTZJT-775.1C	DIODE
D576	EU02V0	DIODE
D580	FMV-3GULF730	DIODE
D706	EU02V0	DIODE
D707	EU02V0	DIODE
D710	MTZJT-7716C	DIODE
D711	MTZJT-775.1A	DIODE
D712	1SS133T-77	DIODE
D713	MTZJT-777.5B	DIODE
D714	MTZJT-772.7B	DIODE
D801	RBV-608LF-B	DIODE
D807	59890T60B110	THERMISTOR
D808	ERZV10D621CS	SURGE ABSORBER
D809	ERC0510E3	DIODE
D810	ERC0510E3	DIODE
D811	TVSSR2KLV1	DIODE
D812	RY24V1	DIODE
D814	ERA22-10G1	DIODE
D815	MA2082-ALFS	DIODE
D841	1SR124-4AT82	DIODE
D843	1SR124-4AT82	DIODE
D844	1SR124-4AT82	DIODE
D847	PC123FY2	PHOTO COUPLER
D854	1SS133T-77	DIODE
D860	1SS133T-77	DIODE
D861	1SS133T-77	DIODE
D862	1SS133T-77	DIODE
D866	EU02V0	DIODE
D867	1SS133T-77	DIODE
D868	MA4056HTA	DIODE
D870	RK46LF-L1	DIODE
D871	RK46LF-L1	DIODE
D884	MTZJT-7727A	DIODE
D887	BZX79B75A26A	DIODE
D888	1SS133T-77	DIODE
D889	1SS133T-77	DIODE
D890	1SS133T-77	DIODE
D891	1SS133T-77	DIODE
D892	MA2180TP	DIODE
D893	MTZJT-776.2B	DIODE
D894	1SS133T-77	DIODE
D895	RU4BLF-L1	DIODE
D896	FMGG26S	DIODE

Cct Ref	Parts Number	Description
D897	1SR124-4AT82	DIODE
D899	MTZJT-7736A	DIODE
D910	R2KNLFA1	DIODE
D1001	LNH201RFCF6	L.E.D.
D1004	MTZJT-778.2C	DIODE
D1101	1SS355TE-17	DIODE
D1104	1SS355TE-17	DIODE
D1701	DAN217T146	DIODE
D1702	DAN217T146	DIODE
D1703	1SS355TE-17	DIODE
D1901	MTZJT-777.5B	DIODE
D1902	1SS133T-77	DIODE
D2001	MTZJT-774.7C	DIODE
D2002	MA723TA	DIODE
D2003	MA723TA	DIODE
D2004	MA723TA	DIODE
D2005	MA723TA	DIODE
D2006	MA723TA	DIODE
D2007	MA723TA	DIODE
D2008	MA723TA	DIODE
D2351	1SS355TE-17	DIODE
D2352	1SS355TE-17	DIODE
D2353	1SS355TE-17	DIODE
D2354	1SS355TE-17	DIODE
D2355	1SS355TE-17	DIODE
D3201	MTZJT-778.2C	DIODE
D3202	MTZJT-778.2C	DIODE
D3204	UDZSTE-1716B	DIODE
D3351	1SS355TE-17	DIODE
D3352	1SS355TE-17	DIODE
D3353	1SS355TE-17	DIODE
D3354	1SS355TE-17	DIODE
D3801	1SS133T-77	DIODE
D3802	1SS133T-77	DIODE
D3803	MTZJT-775.1B	DIODE
D3804	1SS133T-77	DIODE
D3805	1SS133T-77	DIODE
D3806	1SS133T-77	DIODE
D3807	1SS133T-77	DIODE
D3808	1SS133T-77	DIODE
D3809	1SS133T-77	DIODE
D3812	1SR124-4AT82	DIODE
Q860	PC123FY2	PHOTO COUPLER
TRANSISTORS		
Q101	BC847B	TRANSISTOR
Q102	BC847B	TRANSISTOR
Q103	BC857B	TRANSISTOR
Q106	BC847B	TRANSISTOR
Q109	BC847B	TRANSISTOR
Q251	2SD1328STX	TRANSISTOR
Q252	2SD1328STX	TRANSISTOR
Q253	BC847B	TRANSISTOR
Q254	BC847B	TRANSISTOR
Q351	2SA1767QTA	TRANSISTOR
Q361	2SA1767QTA	TRANSISTOR
Q371	2SA1767QTA	TRANSISTOR
Q503	2SK2231TE16L	TRANSISTOR
Q551	2SC5905000RK	TRANSISTOR
Q552	2SC1473ATA	TRANSISTOR
Q556	BC847B	TRANSISTOR
Q701	BC847B	TRANSISTOR
Q702	BC847B	TRANSISTOR
Q703	2SK2231TE16L	TRANSISTOR
Q704	BC847B	TRANSISTOR
Q705	BC547B/126	TRANSISTOR
Q706	BC847B	TRANSISTOR

Cct Ref	Parts Number	Description
Q853	BC847B	TRANSISTOR
Q854	BC847B	TRANSISTOR
Q855	BC847B	TRANSISTOR
Q856	BC847B	TRANSISTOR
Q893	2SA1018QTA	TRANSISTOR
Q894	BC847B	TRANSISTOR
Q895	BC847B	TRANSISTOR
Q896	BC857B	TRANSISTOR
Q897	2SA1534A-RTA	TRANSISTOR
Q898	BC557B/126	TRANSISTOR
Q906	BC847B	TRANSISTOR
Q907	BC857B	TRANSISTOR
Q908	2SA1535ARLB	TRANSISTOR
Q909	2SC3944ARLB	TRANSISTOR
Q1002	BC847B	TRANSISTOR
Q1101	BC857B	TRANSISTOR
Q1102	BC847B	TRANSISTOR
Q1104	BC847B	TRANSISTOR
Q1106	BC857B	TRANSISTOR
Q1108	BC847B	TRANSISTOR
Q1109	BC847B	TRANSISTOR
Q1110	BC847B	TRANSISTOR
Q1111	BC847B	TRANSISTOR
Q1112	BC847B	TRANSISTOR
Q1113	BC847B	TRANSISTOR
Q1115	BC847B	TRANSISTOR
Q1116	BC847B	TRANSISTOR
Q1125	BC847B	TRANSISTOR
Q1701	BC847B	TRANSISTOR
Q1702	BC847B	TRANSISTOR
Q1703	BC847B	TRANSISTOR
Q1704	BC847B	TRANSISTOR
Q1705	BC847B	TRANSISTOR
Q1706	FMY4AT148	TRANSISTOR
Q1707	FMY4AT148	TRANSISTOR
Q1708	FMY4AT148	TRANSISTOR
Q1710	BC847B	TRANSISTOR
Q1712	BC847B	TRANSISTOR
Q1713	FDV301N	TRANSISTOR
Q1714	FDV302P	TRANSISTOR
Q1715	FDV301N	TRANSISTOR
Q1717	BC857B	TRANSISTOR
Q1718	BC847B	TRANSISTOR
Q1719	BC847B	TRANSISTOR
Q1801	BC847B	TRANSISTOR
Q1802	BC847B	TRANSISTOR
Q1901	BC847B	TRANSISTOR
Q1902	BC847B	TRANSISTOR
Q1903	BC847B	TRANSISTOR
Q1904	BC847B	TRANSISTOR
Q1905	2SA1534A-RTA	TRANSISTOR
Q2001	BC857B	TRANSISTOR
Q2002	BC857B	TRANSISTOR
Q2003	BC857B	TRANSISTOR
Q2004	BC857B	TRANSISTOR
Q2005	BC857B	TRANSISTOR
Q2006	BC857B	TRANSISTOR
Q2351	BC847B	TRANSISTOR
Q2352	BC847B	TRANSISTOR
Q2353	BC857B	TRANSISTOR
Q2354	BC847B	TRANSISTOR
Q3000	BC847B	TRANSISTOR
Q3001	BC847B	TRANSISTOR
Q3003	BC847B	TRANSISTOR
Q3004	BC847B	TRANSISTOR
Q3005	BC857B	TRANSISTOR

Cct Ref	Parts Number	Description
Q3006	BC857B	TRANSISTOR
Q3007	BC847B	TRANSISTOR
Q3008	BC847B	TRANSISTOR
Q3009	BC847B	TRANSISTOR
Q3010	BC847B	TRANSISTOR
Q3011	BC847B	TRANSISTOR
Q3013	BC847B	TRANSISTOR
Q3014	BC847B	TRANSISTOR
Q3015	BC847B	TRANSISTOR
Q3016	BC847B	TRANSISTOR
Q3017	BC847B	TRANSISTOR
Q3018	BC847B	TRANSISTOR
Q3301	BC847B	TRANSISTOR
Q3352	BC857B	TRANSISTOR
Q3802	2SD2396/K	TRANSISTOR
TRANSFORMERS		
T501	ETH19Y187AY	TRANSFORMER
T849	10783850	TRANSFORMER
T860	ETS19AB1G6AG	TRANSFORMER
COILS		
J115	EXCELSA35T	COIL
J117	EXCELSA35T	COIL
L103	EXCELSA35T	COIL
L104	EXCELD35V	COIL
L107	TALV35VB100K	COIL
L116	ELESN6R8KA	COIL
L381	TLT220K991R	COIL
L382	ELESN6R8KA	COIL
L501	EXCELD35C	COIL
L551	EXCELD35C	COIL
L557	EXCELD35C	COIL
L558	EXCELSA35B	COIL
L582	ELC18B221L	COIL
L584	ELH5L7719	COIL
L701	ELC18B221E	COIL
L704	ELC18B182F	COIL
L804	R39264	PFC COIL
L883	TALL08T181KA	COIL
L892	ELEIE470KA	COIL
L893	EXCELSA35T	COIL
L894	EXCELSA35T	COIL
L895	EXCELSA35T	COIL
L896	EXCELSA35T	COIL
L897	EXCELSA35T	COIL
L898	EXCELSA35T	COIL
L899	EXCELSA35T	COIL
L1061	TLT331K991R	COIL
L1104	TALC325T4R7M	COIL
L1109	TALC325T4R7M	COIL
L1115	TALC168T8R2K	COIL
L1701	EXC3BB221H	COIL
L2001	TALV35VB100K	COIL
L2004	ELESN101KA	COIL
L2005	TALV35VB100K	COIL
L2006	ELJFC4R7KF	COIL
L2007	ELJFC4R7KF	COIL
L2351	EXCELD35V	COIL
L2352	EXCELD35V	COIL
L3001	ELESN1R5KA	COIL
L3003	ELESN1R5KA	COIL
L3005	ELESN1R5KA	COIL
L3007	ELESN1R5KA	COIL
L3009	ELESN1R5KA	COIL
L3011	ELESN1R5KA	COIL
L3015	EXCELD35V	COIL
L3016	EXCELD35V	COIL



Cct Ref	Parts Number	Description		
L3078	ELESN2R2KA	COIL		
L3201	ELEBR6R8KA	COIL		
L3202	ELEBR6R8KA	COIL		
L3203	EXCELSA35T	COIL		
L3204	ELEBR6R8KA	COIL		
L3205	ELEBR6R8KA	COIL		
L3206	EXCELSA35T	COIL		
L3301	ELESN2R7KA	COIL		
L3302	ELESN2R7KA	COIL		
L3303	ELESN2R7KA	COIL		
L3304	ELESN2R2KA	COIL		
FILTERS				
L801	ELF20N013A	LINE FILTER		
L802	ELF20N013A	LINE FILTER		
LC1107	ELKE103FA	FILTER		
LC1109	ELKE103FA	FILTER		
LC1117	ELKE103FA	FILTER		
LC1120	ELKE103FA	FILTER		
LC1129	ELKE103FA	FILTER		
LC1130	ELKE103FA	FILTER		
LC1131	ELKE103FA	FILTER		
LC1140	ELKE103FA	FILTER		
LC1147	ELKE103FA	FILTER		
LC1151	ELKE103FA	FILTER		
LC1152	ELKE103FA	FILTER		
LC1153	ELKE103FA	FILTER		
LC1154	ELKE103FA	FILTER		
LC1155	ELKE103FA	FILTER		
LC1156	ELKE103FA	FILTER		
LC1157	ELKE103FA	FILTER		
LC1504	TLK212T256AL	FILTER		
LC1505	TLK212T256AL	FILTER		
LC1506	TLK212T256AL	FILTER		
LC1507	TLK212T256AL	FILTER		
LC1508	TLK212T256AL	FILTER		
LC1510	ELKE103FA	FILTER		
LC1511	ELKE103FA	FILTER		
LC1512	ELKE103FA	FILTER		
LC1513	ELKE103FA	FILTER		
LC1516	TLK212T256AL	FILTER		
LC1517	TLK212T256AL	FILTER		
LC1702	TLK212T256AL	FILTER		
LC1705	ELKE103FA	FILTER		
LC1706	ELKE103FA	FILTER		
LC1713	TLK212T256AL	FILTER		
X101	EFCT6504BN	FILTER		
X102	EFCT7004BN	CERAMIC FILTER		
CRYSTALS				
X1101	H0J600400006	CRYSTAL		
X1501	AI202504E	CRYSTAL		
X1701	4730007823	CRYSTAL		
X2001	4730007158	CRYSTAL		
RESISTORS				
JA1	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω
JA2	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω
JA3	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω
JA4	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω
JA5	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω
JA6	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω
JA7	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω
JA7	ERJ8GEY0R00V	S.M.CARB	0.125	0 Ω
JA8	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω
JA9	ERJ8GEY0R00V	S.M.CARB	0.125	0 Ω
JA11	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω
JA12	ERJ8GEY0R00V	S.M.CARB	0.125	0 Ω

Cct Ref	Parts Number	Description		
JA13	ERJ8GEY0R00V	S.M.CARB	0.125	0 Ω
JA14	ERJ8GEY0R00V	S.M.CARB	0.125	0 Ω
JA15	ERJ8GEY0R00V	S.M.CARB	0.125	0 Ω
JA16	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω
JA17	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω
JA20	ERJ8GEY0R00V	S.M.CARB	0.125	0 Ω
JA21	ERJ8GEY0R00V	S.M.CARB	0.125	0 Ω
JA22	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω
JA23	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω
JA27	ERJ8GEY0R00V	S.M.CARB	0.125	0 Ω
JA32	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω
JSA003	ERJ3GEY0R00V	S.M.CARB	0.1W	0 Ω
JSA004	ERJ3GEY0R00V	S.M.CARB	0.1W	0 Ω
JSA005	ERJ3GEY0R00V	S.M.CARB	0.1W	0 Ω
JSA045	ERJ3GEY0R00V	S.M.CARB	0.1W	0 Ω
JSA046	ERJ3GEY0R00V	S.M.CARB	0.1W	0 Ω
JSA047	ERJ3GEY0R00V	S.M.CARB	0.1W	0 Ω
JSA058	ERJ3GEY0R00V	S.M.CARB	0.1W	0 Ω
JSA060	ERJ3GEY0R00V	S.M.CARB	0.1W	0 Ω
JSA061	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω
JSA062	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω
JSA063	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω
JSA066	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω
JSD010	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω
JSD016	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω
JSD035	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω
JSG017	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω
JSG031	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω
JSH004	ERJ3GEY0R00V	S.M.CARB	0.1W	0 Ω
JSH11	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω
JSH12	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω
JSH13	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω
JSH15	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω
JSL4	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω
JSL11	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω
R111	ERJ6GEYJ393V	S.M.CARB	0.1W 5%	39K Ω
R112	ERJ6GEYJ101V	S.M.CARB	0.1W 5%	100 Ω
R113	ERJ6GEYJ223V	S.M.CARB	0.1W 5%	22K Ω
R114	ERJ6GEYJ471V	S.M.CARB	0.1W 5%	470 Ω
R115	ERJ6GEYJ102V	S.M.CARB	0.1W 5%	1K Ω
R116	ERJ6GEYJ101V	S.M.CARB	0.1W 5%	100 Ω
R117	ERJ6GEYJ332V	S.M.CARB	0.1W 5%	3K3 Ω
R118	ERJ6GEYJ681V	S.M.CARB	0.1W 5%	680 Ω
R120	ERJ6GEYJ222V	S.M.CARB	0.1W 5%	2K2 Ω
R121	ERJ6GEYJ103V	S.M.CARB	0.1W 5%	10K Ω
R122	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω
R129	ERJ6GEYJ101V	S.M.CARB	0.1W 5%	100 Ω
R130	ERJ6GEYJ472V	S.M.CARB	0.1W 5%	4K7 Ω
R133	ERJ6GEYJ222V	S.M.CARB	0.1W 5%	2K2 Ω
R134	ERJ6GEYJ101V	S.M.CARB	0.1W 5%	100 Ω
R135	ERJ6GEYJ101V	S.M.CARB	0.1W 5%	100 Ω
R136	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω
R139	ERJ6GEYJ101V	S.M.CARB	0.1W 5%	100 Ω
R140	ERJ6GEYJ101V	S.M.CARB	0.1W 5%	100 Ω
R141	ERJ6GEYJ102V	S.M.CARB	0.1W 5%	1K Ω
R142	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω
R250	ERJ6GEYJ103V	S.M.CARB	0.1W 5%	10K Ω
R251	ERJ6GEYJ471V	S.M.CARB	0.1W 5%	470 Ω
R252	ERJ6GEYJ103V	S.M.CARB	0.1W 5%	10K Ω
R253	ERJ6GEYJ471V	S.M.CARB	0.1W 5%	470 Ω
R254	ERJ6GEYJ103V	S.M.CARB	0.1W 5%	10K Ω
R255	ERJ6GEYJ103V	S.M.CARB	0.1W 5%	10K Ω
R256	ERJ6GEYJ103V	S.M.CARB	0.1W 5%	10K Ω
R257	ERJ6GEYJ150V	S.M.CARB	0.125 5%	15 Ω
R258	ERJ6GEYJ150V	S.M.CARB	0.125 5%	15 Ω
R259	ERJ6GEYJ121V	S.M.CARB	0.1W 5%	120 Ω

Cct Ref	Parts Number	Description				
R260	ERJ6GEYJ121V	S.M.CARB	0.1W	5%	120 Ω	
R261	ERJ6GEYJ152V	S.M.CARB	0.1W	5%	1K5 Ω	
R262	ERJ6GEYJ152V	S.M.CARB	0.1W	5%	1K5 Ω	
R263	ERDS2TJ2R2T	CARBON	0.25W	5%	2R2 Ω	
R264	ERDS2TJ2R2T	CARBON	0.25W	5%	2R2 Ω	
R265	ERJ6GEYJ103V	S.M.CARB	0.1W	5%	10K Ω	
R266	ERJ6GEYJ473V	S.M.CARB	0.1W	5%	47K Ω	
R267	ERJ6GEYJ103V	S.M.CARB	0.1W	5%	10K Ω	
R268	ERQ14AJ101P	METAL	0.25W	5%	100 Ω	
R269	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω	
R350	ERQ12AJ151P	FUSIBLE	0.5W	5%	150 Ω	
R352	ERJ6GEYJ202V	S.M.CARB	0.1W	5%	2K Ω	
R353	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω	
R355	ERG1SJ823P	METAL	1W	5%	82K Ω	
R356	ERJ6GEYJ181V	S.M.CARB	0.1W	5%	180 Ω	
R358	ERDS1TJ821V	CARBON	0.5W	5%	820 Ω	
R361	ERJ6GEYJ183V	S.M.CARB	0.1W	5%	18K Ω	
R362	ERJ6GEYJ202V	S.M.CARB	0.1W	5%	2K Ω	
R363	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω	
R365	ERG1SJ823P	METAL	1W	5%	82K Ω	
R366	ERJ6GEYJ181V	S.M.CARB	0.1W	5%	180 Ω	
R368	ERDS1TJ821V	CARBON	0.5W	5%	820 Ω	
R370	ERQ1CJPR56S	METAL	1W	5%	R56 Ω	
R372	ERJ6GEYJ202V	S.M.CARB	0.1W	5%	2K Ω	
R373	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω	
R375	ERG1SJ823P	METAL	1W	5%	82K Ω	
R376	ERJ6GEYJ181V	S.M.CARB	0.1W	5%	180 Ω	
R378	ERDS1TJ821V	CARBON	0.5W	5%	820 Ω	
R380	ERJ6GEYJ392V	S.M.CARB	0.1W	5%	3K9 Ω	
R381	ERJ6GEYJ102V	S.M.CARB	0.1W	5%	1K Ω	
R382	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω	
R383	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω	
R391	ERDS2TJ274T	CARBON	0.25W	5%	270K Ω	
R392	ERJ6GEYJ684V	S.M.CARB	0.1W	5%	680K Ω	
R394	ERJ6GEYJ751V	S.M.CARB	0.1W	5%	750 Ω	
R396	ERJ6GEYJ751V	S.M.CARB	0.1W	5%	750 Ω	
R398	ERJ6GEYJ751V	S.M.CARB	0.1W	5%	750 Ω	
R451	ERJ6GEYJ223V	S.M.CARB	0.1W	5%	22K Ω	
R454	ERJ6GEYJ203V	S.M.CARB	0.1W	5%	20K Ω	
R455	ERDS2TJ223T	CARBON	0.25W	5%	22K Ω	
R458	ERDS1TJ1R0T	CARBON	0.5W	5%	1 Ω	
R460	ERG3SJS271H	METAL	3W	5%	270 Ω	
R461	ERX2SJSR82H	METAL	2W	5%	0.82 Ω	
R463	ERJ6GEYJ681V	S.M.CARB	0.1W	5%	680 Ω	
R464	ERJ6GEYJ512V	S.M.CARB	0.1W	5%	5K1 Ω	
R465	ERJ6GEYJ561V	S.M.CARB	0.1W	5%	560 Ω	
R467	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω	
R501	ERJ6GEYJ392V	S.M.CARB	0.1W	5%	3K9 Ω	
R503	ERJ6GEYJ104V	S.M.CARB	0.1W	5%	100K Ω	
R507	ERG3FJ820H	METAL	3W	5%	82 Ω	
R509	ERG1SJ222E	METAL	0.5W	5%	2K2 Ω	
R510	ERG1SJ222E	METAL	0.5W	5%	2K2 Ω	
R553	ERX3SJSR68H	METAL	3W	5%	R68 Ω	
R555	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω	
R556	ERJ6GEYJ563V	S.M.CARB	0.1W	5%	56K Ω	
R557	ERJ6GEYJ101V	S.M.CARB	0.1W	5%	100 Ω	
R558	ERDS1TJ124T	CARBON	0.5W	5%	120K Ω	
R559	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω	
R560	ERJ6GEYJ434V	S.M.CARB	0.125	5%	430K Ω	
R561	ERJ6GEYJ303V	S.M.CARB	0.1W	5%	30K Ω	
R562	ERJ6GEYJ104V	S.M.CARB	0.1W	5%	100K Ω	
R563	ERJ6GEYJ564V	S.M.CARB	0.1W	5%	560K Ω	
R564	ERJ6GEYJ363V	S.M.CARB	0.125	5%	36K Ω	
R566	ERJ6GEYJ102V	S.M.CARB	0.1W	5%	1K Ω	
R567	343-23R3AY	METAL	10W	5%	3R3 Ω	
R568	ERDS1TJ120T	CARBON	0.5W	5%	12 Ω	

Cct Ref	Parts Number	Description				
R569	ERJ6GEYJ102V	S.M.CARB	0.1W	5%	1K Ω	
R578	ERQ12HKR39P	FUSIBLE	0.5W	10%	R39 Ω	
R581	ERG3FJ561H	METAL	3W	5%	560 Ω	
R701	ERJ6GEYJ101V	S.M.CARB	0.1W	5%	100 Ω	
R702	ERX2SJS1R0H	METAL	2W	5%	1 Ω	
R704	ERDS1FJ472V	CARBON	0.5W	5%	4K7 Ω	
R705	ERG3FJ181H	METAL	3W	5%	180 Ω	
R706	ERG3FJ181H	METAL	3W	5%	180 Ω	
R707	ERJ6GEYJ272V	S.M.CARB	0.1W	5%	2K7 Ω	
R708	ERJ6GEYJ103V	S.M.CARB	0.1W	5%	10K Ω	
R709	ERJ6GEYJ473V	S.M.CARB	0.1W	5%	47K Ω	
R711	ERDS1TJ133T	CARBON	0.5W	5%	13K Ω	
R712	ERJ6GEYJ203V	S.M.CARB	0.1W	5%	20K Ω	
R715	ERDS2TJ272T	CARBON	0.25W	5%	2K7 Ω	
R716	ERQ12AJ680P	METAL	0.5W	5%	68 Ω	
R717	ERJ6GEYJ272V	S.M.CARB	0.1W	5%	2K7 Ω	
R718	ERJ6GEYJ203V	S.M.CARB	0.1W	5%	20K Ω	
R720	ERJ6GEYJ302V	S.M.CARB	0.1W	5%	3K Ω	
R721	ERJ6GEYJ681V	S.M.CARB	0.1W	5%	680 Ω	
R722	ERJ6GEYJ332V	S.M.CARB	0.1W	5%	3K3 Ω	
R723	ERJ6GEYJ473V	S.M.CARB	0.1W	5%	47K Ω	
R724	ERG2FJ680H	METAL	2W	5%	68 Ω	
R725	ERG1FJ202P	METAL	1W	5%	2K Ω	
R801	ERC12ZGK105C	SOLID	0.5W	10%	1M Ω	△
R807	ERF2AJ560P	WOUND	2W	5%	56 Ω	
R808	ERG1FJS104D	METAL	1W	5%	100K Ω	
R809	ERDS2TJ101T	CARBON	0.25W	5%	100 Ω	
R836	ERD75TAJ825	CARBON	1W	5%	8M2 Ω	△
R837	ERDS2TJ100T	CARBON	0.25W	5%	10 Ω	
R838	ERDS2TJ332T	CARBON	2W	5%	3K2 Ω	
R839	ERDS2TJ202T	CARBON	0.25W	5%	2K Ω	
R841	ERDS2TJ681T	CARBON	0.25W	5%	680 Ω	
R842	D0D2R27KA003	WOUND	2W	10%	R27 Ω	
R843	D0D2R27KA003	WOUND	2W	10%	R27 Ω	
R853	ERDS1TJ103T	CARBON	0.5W	5%	10K Ω	
R854	ERDS2TJ473T	CARBON	0.25W	5%	47K Ω	
R855	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω	
R856	ERJ6GEYJ203V	S.M.CARB	0.1W	5%	20K Ω	
R859	ERJ6GEYJ123V	S.M.CARB	0.1W	5%	12K Ω	
R860	ERJ6GEYJ473V	S.M.CARB	0.1W	5%	47K Ω	
R861	ERJ6GEYJ203V	S.M.CARB	0.1W	5%	20K Ω	
R862	ERJ6GEYJ153V	S.M.CARB	0.1W	5%	15K Ω	
R863	ERDS1TJ122T	CARBON	0.5W	5%	1K2 Ω	
R864	ERDS1TJ102T	CARBON	0.5W	5%	1K Ω	
R868	ERG3FJ183H	METAL	3W	5%	18K Ω	
R869	ERG3FJ183H	METAL	3W	5%	18K Ω	
R870	ERJ6GEYJ104V	S.M.CARB	0.1W	5%	100K Ω	
R877	ERJ6GEYJ473V	S.M.CARB	0.1W	5%	47K Ω	
R879	ERG1SJ223P	METAL	1W	5%	22K Ω	
R880	ERG1SJ183P	METAL	1W	5%	18K Ω	
R881	ERJ6GEYJ153V	S.M.CARB	0.1W	5%	15K Ω	
R882	ERDS2TJ681T	CARBON	0.25W	5%	680 Ω	
R883	ERJ6GEYJ752V	S.M.CARB	0.1W	5%	7K5 Ω	
R884	ERDS1TJ103T	CARBON	0.5W	5%	10K Ω	
R885	ERJ6GEYJ753V	S.M.CARB	0.1W	5%	75K Ω	
R886	ERG3FJ101H	METAL	3W	5%	100 Ω	
R887	ERDS1TJ683T	CARBON	0.5W	5%	68K Ω	
R888	ERG3FJ101H	METAL	3W	5%	100 Ω	
R889	ERJ6GEYJ752V	S.M.CARB	0.1W	5%	7K5 Ω	
R890	ERDS2TJ202T	CARBON	0.25W	5%	2K Ω	
R892	ERDS2TJ101T	CARBON	0.25W	5%	100 Ω	
R893	ERJ6GEYJ752V	S.M.CARB	0.1W	5%	7K5 Ω	
R894	ERDS1TJ2R2T	CARBON	0.5W	5%	2R2 Ω	
R895	ERJ6GEYJ102V	S.M.CARB	0.1W	5%	1K Ω	
R897	ERJ6GEYJ511V	S.M.CARB	0.1W	5%	510 Ω	
R898	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω	

Cct Ref	Parts Number	Description				
R914	ERJ6GEYJ331V	S.M.CARB	0.1W	5%	330 Ω	
R918	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω	
R921	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω	
R922	ERDS2TJ124T	CARBON	0.25W	5%	120K Ω	
R923	ERDS2TJ124T	CARBON	0.25W	5%	120K Ω	
R925	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω	
R926	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω	
R927	ERDS2TJ122T	CARBON	0.25W	5%	1K2 Ω	
R928	ERDS2TJ100T	CARBON	0.25W	5%	10 Ω	
R929	ERG2SJ181E	METAL	2W	5%	180 Ω	
R935	ERQ14AJW3R9E	FUSIBLE	0.25W	5%	3R9 Ω	
R936	ERQ1CJP331S	FUSIBLE	1W	5%	330 Ω	
R938	ERDS2TJ122T	CARBON	0.25W	5%	1K2 Ω	
R941	ERDS2TJ100T	CARBON	0.25W	5%	10 Ω	
R942	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω	
R943	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω	
R944	ERJ6GEYJ271V	S.M.CARB	0.1W	5%	270 Ω	
R945	ERJ6GEYJ271V	S.M.CARB	0.1W	5%	270 Ω	
R948	ERG5FJ152H	METAL	5W	5%	1K5 Ω	
R949	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω	
R1005	ERJ6GEYJ332V	S.M.CARB	0.1W	5%	3K3 Ω	
R1007	ERJ6GEYJ103V	S.M.CARB	0.1W	5%	10K Ω	
R1017	ERJ6GEYJ103V	S.M.CARB	0.1W	5%	10K Ω	
R1043	ERJ6GEYJ682V	S.M.CARB	0.1W	5%	6K8 Ω	
R1044	ERJ6GEYJ123V	S.M.CARB	0.1W	5%	12K Ω	
R1045	ERJ6GEYJ223V	S.M.CARB	0.1W	5%	22K Ω	
R1046	ERJ6GEYJ683V	S.M.CARB	0.1W	5%	68K Ω	
R1047	ERDS2TJ102T	CARBON	0.25W	5%	1K Ω	
R1101	ERJ3GEYJ562V	S.M.CARB	0.1W	5%	5K6 Ω	
R1102	ERJ3GEYJ562V	S.M.CARB	0.1W	5%	5K6 Ω	
R1103	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω	
R1104	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω	
R1105	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω	
R1106	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω	
R1107	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω	
R1108	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω	
R1109	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω	
R1110	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω	
R1111	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω	
R1112	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω	
R1113	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω	
R1115	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω	
R1116	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω	
R1117	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω	
R1118	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω	
R1119	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω	
R1120	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω	
R1121	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω	
R1122	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω	
R1123	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω	
R1124	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω	
R1125	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω	
R1126	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω	
R1127	ERJ3GEY0R00V	S.M.CARB	0.1W		0 Ω	
R1128	ERJ3GEYJ273V	S.M.CARB	0.1W	5%	27K Ω	
R1129	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω	
R1131	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω	
R1132	ERJ3GEYJ562V	S.M.CARB	0.1W	5%	5K6 Ω	
R1133	ERJ3GEYJ102V	S.M.CARB	0.1W	5%	1K Ω	
R1134	ERJ3GEYJ473V	S.M.CARB	0.1W	5%	47K Ω	
R1135	ERJ3GEYJ224V	S.M.CARB	0.1W	5%	220K Ω	
R1136	ERJ3GEYJ473V	S.M.CARB	0.1W	5%	47K Ω	
R1137	ERJ3GEYJ104V	S.M.CARB	0.1W	5%	100K Ω	
R1138	ERJ3GEYJ223V	S.M.CARB	0.1W	5%	22K Ω	
R1139	ERJ3GEYJ104V	S.M.CARB	0.1W	5%	100K Ω	
R1140	ERJ3GEYJ225V	S.M.CARB	0.1W	5%	2M2 Ω	

Cct Ref	Parts Number	Description				
R1141	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω	
R1142	ERJ3GEYJ221V	S.M.CARB	0.1W	5%	220 Ω	
R1144	ERJ3GEYJ472V	S.M.CARB	0.1W	5%	4K7 Ω	
R1145	ERJ3GEYJ391V	S.M.CARB	0.1W	5%	390 Ω	
R1146	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω	
R1147	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω	
R1148	ERJ3GEYJ273V	S.M.CARB	0.1W	5%	27K Ω	
R1149	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω	
R1150	ERJ3GEY0R00V	S.M.CARB	0.1W		0 Ω	
R1151	ERJ3GEY0R00V	S.M.CARB	0.1W		0 Ω	
R1152	ERJ3GEY0R00V	S.M.CARB	0.1W		0 Ω	
R1153	ERJ3GEYJ223V	S.M.CARB	0.1W	5%	22K Ω	
R1154	ERJ3GEYJ104V	S.M.CARB	0.1W	5%	100K Ω	
R1155	ERJ3GEYJ102V	S.M.CARB	0.1W	5%	1K Ω	
R1157	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω	
R1158	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω	
R1160	ERJ3GEY0R00V	S.M.CARB	0.1W		0 Ω	
R1161	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω	
R1162	ERJ3GEYJ123V	S.M.CARB	0.1W	5%	12K Ω	
R1164	ERJ3GEY0R00V	S.M.CARB	0.1W		0 Ω	
R1166	ERJ3GEYJ222V	S.M.CARB	0.1W	5%	2K2 Ω	
R1168	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω	
R1169	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω	
R1170	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω	
R1171	ERJ3GEYJ153V	S.M.CARB	0.1W	5%	15K Ω	
R1172	ERJ3GEYJ472V	S.M.CARB	0.1W	5%	4K7 Ω	
R1177	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω	
R1178	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω	
R1180	ERJ3GEY0R00V	S.M.CARB	0.1W		0 Ω	
R1181	ERJ3GEYJ683V	S.M.CARB	0.1W	5%	68K Ω	
R1182	ERJ3GEY0R00V	S.M.CARB	0.1W		0 Ω	
R1183	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω	
R1186	ERJ3GEYJ102V	S.M.CARB	0.1W	5%	1K Ω	
R1187	ERJ3GEYJ683V	S.M.CARB	0.1W	5%	68K Ω	
R1188	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω	
R1189	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω	
R1191	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω	
R1194	ERJ3GEY0R00V	S.M.CARB	0.1W		0 Ω	
R1195	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω	
R1196	EXB38V680JV	S.M.RES	0.063	5%	68 Ω	
R1197	ERJ3GEYJ472V	S.M.CARB	0.1W	5%	4K7 Ω	
R1199	ERJ3GEYJ223V	S.M.CARB	0.1W	5%	22K Ω	
R1200	ERJ3GEYJ473V	S.M.CARB	0.1W	5%	47K Ω	
R1202	EXB38V680JV	S.M.RES	0.063	5%	68 Ω	
R1205	EXB38V680JV	S.M.RES	0.063	5%	68 Ω	
R1209	EXB38V680JV	S.M.RES	0.063	5%	68 Ω	
R1210	ERJ3GEYJ224V	S.M.CARB	0.1W	5%	220K Ω	
R1211	ERJ3GEYJ223V	S.M.CARB	0.1W	5%	22K Ω	
R1212	ERJ3GEYJ472V	S.M.CARB	0.1W	5%	4K7 Ω	
R1214	EXB38V680JV	S.M.RES	0.063	5%	68 Ω	
R1217	EXB38V680JV	S.M.RES	0.063	5%	68 Ω	
R1221	EXB38V680JV	S.M.RES	0.063	5%	68 Ω	
R1225	EXB38V680JV	S.M.RES	0.063	5%	68 Ω	
R1232	EXB38V390JV	S.M.RES	0.063	5%	39 Ω	
R1233	EXB38V680JV	S.M.RES	0.063	5%	68 Ω	
R1236	EXB38V680JV	S.M.RES	0.063	5%	68 Ω	
R1251	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω	
R1255	ERJ3GEYJ472V	S.M.CARB	0.1W	5%	4K7 Ω	
R1257	ERJ3GEY0R00V	S.M.CARB	0.1W		0 Ω	
R1258	ERJ3GEYJ153V	S.M.CARB	0.1W	5%	15K Ω	
R1264	ERJ3GEYJ471V	S.M.CARB	0.1W	5%	470 Ω	
R1265	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω	
R1268	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω	
R1269	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω	
R1270	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω	
R1271	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω	

Cct Ref	Parts Number	Description			
R1272	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω	
R1273	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω	
R1278	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω	
R1280	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω	
R1285	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω	
R1286	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω	
R1287	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω	
R1288	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω	
R1289	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω	
R1290	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω	
R1292	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω	
R1293	ERJ6GEY0R00V	S.M.CARB	0.1W	0 Ω	
R1501	ERJ3GEY0R00V	S.M.CARB	0.1W	0 Ω	
R1502	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω
R1503	ERJ3GEYJ222V	S.M.CARB	0.1W	5%	2K2 Ω
R1504	ERJ3GEYJ222V	S.M.CARB	0.1W	5%	2K2 Ω
R1505	ERJ3GEYJ222V	S.M.CARB	0.1W	5%	2K2 Ω
R1512	ERJ6GEYJ750V	S.M.CARB	0.1W	5%	75 Ω
R1513	ERJ6GEYJ750V	S.M.CARB	0.1W	5%	75 Ω
R1514	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω
R1515	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω
R1516	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω
R1519	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω
R1521	ERJ6GEYJ750V	S.M.CARB	0.1W	5%	75 Ω
R1522	ERJ6GEYJ750V	S.M.CARB	0.1W	5%	75 Ω
R1523	ERJ6GEYJ750V	S.M.CARB	0.1W	5%	75 Ω
R1524	ERJ6GEYJ750V	S.M.CARB	0.1W	5%	75 Ω
R1540	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω
R1541	ERJ6GEYJ103V	S.M.CARB	0.1W	5%	10K Ω
R1542	ERJ6GEYJ750V	S.M.CARB	0.1W	5%	75 Ω
R1543	ERJ6GEYJ103V	S.M.CARB	0.1W	5%	10K Ω
R1701	ERJ3GEY0R00V	S.M.CARB	0.1W	0 Ω	
R1704	ERJ3GEY0R00V	S.M.CARB	0.1W	0 Ω	
R1705	ERJ3GEYJ221V	S.M.CARB	0.1W	5%	220 Ω
R1706	ERJ3GEYJ471V	S.M.CARB	0.1W	5%	470 Ω
R1707	ERJ3GEYJ471V	S.M.CARB	0.1W	5%	470 Ω
R1708	ERJ3GEYJ473V	S.M.CARB	0.1W	5%	47K Ω
R1709	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω
R1710	ERJ3GEYJ563V	S.M.CARB	0.1W	5%	56K Ω
R1712	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω
R1713	ERJ3GEYJ332V	S.M.CARB	0.1W	5%	3K3 Ω
R1714	ERJ3GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R1716	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω
R1717	ERJ3GEYJ271V	S.M.CARB	0.1W	5%	270 Ω
R1719	ERJ3GEYJ223V	S.M.CARB	0.1W	5%	22K Ω
R1720	ERJ3GEYJ822V	S.M.CARB	0.1W	5%	8K2 Ω
R1721	ERJ3GEYJ682V	S.M.CARB	0.1W	5%	6K8 Ω
R1723	ERJ3GEYJ750V	S.M.CARB	0.1W	5%	75 Ω
R1724	ERJ3GEYJ223V	S.M.CARB	0.1W	5%	22K Ω
R1725	ERJ3GEYJ223V	S.M.CARB	0.1W	5%	22K Ω
R1726	ERJ3GEYJ223V	S.M.CARB	0.1W	5%	22K Ω
R1727	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω
R1728	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω
R1732	ERJ3GEYJ151V	S.M.CARB	0.1W	5%	150 Ω
R1733	ERJ3GEYJ151V	S.M.CARB	0.1W	5%	150 Ω
R1734	ERJ3GEYJ151V	S.M.CARB	0.1W	5%	150 Ω
R1735	ERJ3GEYJ821V	S.M.CARB	0.1W	5%	820 Ω
R1736	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω
R1737	ERJ3GEYJ560V	S.M.CARB	0.1W	5%	56 Ω
R1738	ERJ6GEYJ621V	S.M.CARB	0.125	5%	620 Ω
R1739	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω
R1740	ERJ3GEYJ560V	S.M.CARB	0.1W	5%	56 Ω
R1741	ERJ6GEYJ621V	S.M.CARB	0.125	5%	620 Ω
R1742	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω
R1743	ERJ3GEYJ560V	S.M.CARB	0.1W	5%	56 Ω
R1744	ERJ6GEYJ621V	S.M.CARB	0.125	5%	620 Ω

Cct Ref	Parts Number	Description			
R1745	ERJ6GEYJ471V	S.M.CARB	0.1W	5%	470 Ω
R1746	ERJ3GEYJ472V	S.M.CARB	0.1W	5%	4K7 Ω
R1747	ERJ3GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R1748	ERJ3GEYJ472V	S.M.CARB	0.1W	5%	4K7 Ω
R1749	ERJ3GEYJ223V	S.M.CARB	0.1W	5%	22K Ω
R1750	ERJ3GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R1751	ERJ3GEYJ334V	S.M.CARB	0.1W	5%	330K Ω
R1752	ERJ6GEYJ560V	S.M.CARB	0.1W	5%	56 Ω
R1755	ERJ3GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R1758	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω
R1759	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω
R1760	ERJ3GEY0R00V	S.M.CARB	0.1W		0 Ω
R1761	ERJ3GEY0R00V	S.M.CARB	0.1W		0 Ω
R1762	ERJ3GEY0R00V	S.M.CARB	0.1W		0 Ω
R1763	ERJ3GEY0R00V	S.M.CARB	0.1W		0 Ω
R1766	ERJ3GEY0R00V	S.M.CARB	0.1W		0 Ω
R1767	ERJ3GEY0R00V	S.M.CARB	0.1W		0 Ω
R1768	ERJ3GEY0R00V	S.M.CARB	0.1W		0 Ω
R1769	ERJ3GEY0R00V	S.M.CARB	0.1W		0 Ω
R1770	ERJ3GEY0R00V	S.M.CARB	0.1W		0 Ω
R1771	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω
R1772	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω
R1774	ERJ3GEYJ222V	S.M.CARB	0.1W	5%	2K2 Ω
R1775	ERJ3GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R1776	ERJ3GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R1777	ERJ3GEYJ473V	S.M.CARB	0.1W	5%	47K Ω
R1780	ERJ3GEYJ331V	S.M.CARB	0.1W	5%	330 Ω
R1781	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω
R1782	ERJ3GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R1793	ERJ3GEYJ153V	S.M.CARB	0.1W	5%	15K Ω
R1806	ERJ3GEYJ221V	S.M.CARB	0.1W	5%	220 Ω
R1808	ERJ3GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R1809	ERJ6GEYJ750V	S.M.CARB	0.1W	5%	75 Ω
R1810	ERJ3GEYJ221V	S.M.CARB	0.1W	5%	220 Ω
R1812	ERJ3GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R1813	ERJ6GEYJ750V	S.M.CARB	0.1W	5%	75 Ω
R1901	ERJ6GEYJ472V	S.M.CARB	0.1W	5%	4K7 Ω
R1902	ERJ6GEYJ392V	S.M.CARB	0.1W	5%	3K9 Ω
R1903	ERJ6GEYJ103V	S.M.CARB	0.1W	5%	10K Ω
R1904	ERDS1TJ2R2T	CARBON	0.5W	5%	2R2 Ω
R1905	ERJ6GEYJ273V	S.M.CARB	0.1W	5%	27K Ω
R1906	ERJ6GEYJ273V	S.M.CARB	0.1W	5%	27K Ω
R1907	ERJ6GEYJ273V	S.M.CARB	0.1W	5%	27K Ω
R1908	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω
R1909	ERDS1TJ2R2T	CARBON	0.5W	5%	2R2 Ω
R1912	ERDS2TJ102T	CARBON	0.25W	5%	1K Ω
R1913	ERJ6GEYJ222V	S.M.CARB	0.1W	5%	2K2 Ω
R1914	ERJ6GEYJ333V	S.M.CARB	0.1W	5%	33K Ω
R1915	ERJ6GEYJ331V	S.M.CARB	0.1W	5%	330 Ω
R1916	ERJ6GEYJ103V	S.M.CARB	0.1W	5%	10K Ω
R1917	ERJ6GEYJ472V	S.M.CARB	0.1W	5%	4K7 Ω
R1918	ERJ6GEYJ121V	S.M.CARB	0.1W	5%	120 Ω
R1919	ERJ6GEYJ332V	S.M.CARB	0.1W	5%	3K3 Ω
R1920	ERJ6GEYJ103V	S.M.CARB	0.1W	5%	10K Ω
R1921	ERJ6GEYJ103V	S.M.CARB	0.1W	5%	10K Ω
R1923	ERJ6GEYJ472V	S.M.CARB	0.1W	5%	4K7 Ω
R1926	ERJ6GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R2011	ERJ6GEYJ183V	S.M.CARB	0.1W	5%	18K Ω
R2012	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω
R2013	ERJ6GEYJ101V	S.M.CARB	0.1W	5%	100 Ω
R2014	ERJ6GEYJ101V	S.M.CARB	0.1W	5%	100 Ω
R2015	ERJ6GEYJ101V	S.M.CARB	0.1W	5%	100 Ω
R2016	ERJ6GEYJ101V	S.M.CARB	0.1W	5%	100 Ω
R2020	ERJ6GEYJ101V	S.M.CARB	0.1W	5%	100 Ω
R2021	ERJ6GEYJ562V	S.M.CARB	0.1W	5%	5K6 Ω
R2022	ERJ6GEYJ221V	S.M.CARB	0.1W	5%	220 Ω

Cct Ref	Parts Number	Description			
R2023	ERJ6GEYJ222V	S.M.CARB	0.1W	5%	2K2 Ω
R2024	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω
R2025	ERJ6GEYJ562V	S.M.CARB	0.1W	5%	5K6 Ω
R2026	ERJ6GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R2027	ERJ6GEYJ101V	S.M.CARB	0.1W	5%	100 Ω
R2028	ERJ6GEYJ222V	S.M.CARB	0.1W	5%	2K2 Ω
R2029	ERJ6GEYJ101V	S.M.CARB	0.1W	5%	100 Ω
R2030	ERJ6GEYJ222V	S.M.CARB	0.1W	5%	2K2 Ω
R2031	ERJ6GEYJ101V	S.M.CARB	0.1W	5%	100 Ω
R2032	ERJ6GEYJ101V	S.M.CARB	0.1W	5%	100 Ω
R2033	ERJ6GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R2034	ERJ6GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R2035	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω
R2036	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω
R2037	ERJ6GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R2038	ERJ6GEYJ562V	S.M.CARB	0.1W	5%	5K6 Ω
R2222	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω
R2240	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω
R2351	ERJ6GEYJ103V	S.M.CARB	0.1W	5%	10K Ω
R2352	ERJ6GEYJ103V	S.M.CARB	0.1W	5%	10K Ω
R2353	ERJ6GEYJ473V	S.M.CARB	0.1W	5%	47K Ω
R2354	ERJ6GEYJ104V	S.M.CARB	0.1W	5%	100K Ω
R2355	ERJ6GEYJ681V	S.M.CARB	0.1W	5%	680 Ω
R2356	ERJ6GEYJ332V	S.M.CARB	0.1W	5%	3K3 Ω
R2357	ERJ6GEYJ103V	S.M.CARB	0.1W	5%	10K Ω
R2358	ERJ6GEYJ473V	S.M.CARB	0.1W	5%	47K Ω
R2359	ERJ6GEYJ681V	S.M.CARB	0.1W	5%	680 Ω
R2360	ERJ6GEYJ332V	S.M.CARB	0.1W	5%	3K3 Ω
R2361	ERJ6GEYJ104V	S.M.CARB	0.1W	5%	100K Ω
R2362	ERJ6GEYJ473V	S.M.CARB	0.1W	5%	47K Ω
R2363	ERJ6GEYJ103V	S.M.CARB	0.1W	5%	10K Ω
R2364	ERJ6GEYJ473V	S.M.CARB	0.1W	5%	47K Ω
R2367	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω
R2368	ERJ6GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R2369	ERJ6GEYJ562V	S.M.CARB	0.1W	5%	5K6 Ω
R2370	ERJ6GEYJ472V	S.M.CARB	0.1W	5%	4K7 Ω
R3001	ERJ6ENF82R0V	S.M.CARB	0.1W	1%	82 Ω
R3002	ERJ6ENF82R0V	S.M.CARB	0.1W	1%	82 Ω
R3003	ERJ6ENF82R0V	S.M.CARB	0.1W	1%	82 Ω
R3004	ERJ6GEYJ750V	S.M.CARB	0.1W	5%	75 Ω
R3005	ERJ6GEYJ561V	S.M.CARB	0.1W	5%	560 Ω
R3006	ERJ6GEYJ333V	S.M.CARB	0.1W	5%	33K Ω
R3007	ERJ6GEYJ561V	S.M.CARB	0.1W	5%	560 Ω
R3008	ERJ6GEYJ333V	S.M.CARB	0.1W	5%	33K Ω
R3009	ERJ6ENF1802V	S.M.CARB	0.1W	1%	18K Ω
R3010	ERJ6ENF9101V	S.M.CARB	0.1W	1%	9K1 Ω
R3011	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω
R3012	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω
R3013	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω
R3014	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω
R3015	ERJ6GEYJ561V	S.M.CARB	0.1W	5%	560 Ω
R3016	ERJ6GEYJ333V	S.M.CARB	0.1W	5%	33K Ω
R3017	ERJ6GEYJ561V	S.M.CARB	0.1W	5%	560 Ω
R3018	ERJ6GEYJ333V	S.M.CARB	0.1W	5%	33K Ω
R3019	ERJ6ENF1802V	S.M.CARB	0.1W	1%	18K Ω
R3020	ERJ6ENF9101V	S.M.CARB	0.1W	1%	9K1 Ω
R3021	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω
R3022	ERJ6ENF82R0V	S.M.CARB	0.1W	1%	82 Ω
R3023	ERJ6ENF82R0V	S.M.CARB	0.1W	1%	82 Ω
R3024	ERJ6ENF82R0V	S.M.CARB	0.1W	1%	82 Ω
R3025	ERJ6GEYJ750V	S.M.CARB	0.1W	5%	75 Ω
R3026	ERJ6GEYJ561V	S.M.CARB	0.1W	5%	560 Ω
R3028	ERJ6GEYJ333V	S.M.CARB	0.1W	5%	33K Ω
R3029	ERJ6GEYJ561V	S.M.CARB	0.1W	5%	560 Ω
R3031	ERJ6GEYJ333V	S.M.CARB	0.1W	5%	33K Ω
R3032	ERJ6ENF1802V	S.M.CARB	0.1W	1%	18K Ω

Cct Ref	Parts Number	Description			
R3033	ERJ6ENF9101V	S.M.CARB	0.1W	1%	9K1 Ω
R3034	ERJ3GEYJ391V	S.M.CARB	0.1W	5%	390 Ω
R3035	ERJ3GEYJ391V	S.M.CARB	0.1W	5%	390 Ω
R3036	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω
R3037	ERJ3GEYJ104V	S.M.CARB	0.1W	5%	100K Ω
R3038	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω
R3039	ERJ3GEYJ104V	S.M.CARB	0.1W	5%	100K Ω
R3040	ERJ3GEYJ221V	S.M.CARB	0.1W	5%	220 Ω
R3041	ERJ3GEYJ221V	S.M.CARB	0.1W	5%	220 Ω
R3042	ERJ3GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R3043	ERJ3GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R3044	ERJ3GEY0R00V	S.M.CARB	0.1W		0 Ω
R3047	ERJ3GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R3048	ERJ3GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R3051	ERJ6GEYJ750V	S.M.CARB	0.1W	5%	75 Ω
R3052	ERJ3GEYJ562V	S.M.CARB	0.1W	5%	5K6 Ω
R3053	ERJ6GEYJ750V	S.M.CARB	0.1W	5%	75 Ω
R3054	ERJ3GEYJ562V	S.M.CARB	0.1W	5%	5K6 Ω
R3055	ERJ6GEYJ750V	S.M.CARB	0.1W	5%	75 Ω
R3056	ERJ6GEYJ750V	S.M.CARB	0.1W	5%	75 Ω
R3057	ERJ3GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R3059	ERJ3GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R3061	ERJ6GEYJ750V	S.M.CARB	0.1W	5%	75 Ω
R3062	ERJ3GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R3064	ERJ3GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R3065	ERJ6GEYJ750V	S.M.CARB	0.1W	5%	75 Ω
R3066	ERJ6GEYJ750V	S.M.CARB	0.1W	5%	75 Ω
R3067	ERJ3GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R3069	ERJ6GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R3074	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω
R3075	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω
R3084	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω
R3085	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω
R3088	ERJ3GEY0R00V	S.M.CARB	0.1W		0 Ω
R3089	ERJ3GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R3091	ERJ3GEYJ750V	S.M.CARB	0.1W	5%	75 Ω
R3092	ERJ3GEY0R00V	S.M.CARB	0.1W		0 Ω
R3093	ERJ3GEYJ331V	S.M.CARB	0.1W	5%	330 Ω
R3094	ERJ3GEY0R00V	S.M.CARB	0.1W		0 Ω
R3095	ERJ3GEYJ391V	S.M.CARB	0.1W	5%	390 Ω
R3105	ERJ3GEYJ153V	S.M.CARB	0.1W	5%	15K Ω
R3106	ERJ3GEYJ682V	S.M.CARB	0.1W	5%	6K8 Ω
R3107	ERJ3GEY0R00V	S.M.CARB	0.1W		0 Ω
R3108	ERJ6GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R3109	ERJ6GEYJ750V	S.M.CARB	0.1W	5%	75 Ω
R3110	ERJ3GEYJ123V	S.M.CARB	0.1W	5%	12K Ω
R3111	ERJ3GEYJ682V	S.M.CARB	0.1W	5%	6K8 Ω
R3112	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω
R3114	ERJ3GEY0R00V	S.M.CARB	0.1W		0 Ω
R3115	ERJ6GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R3116	ERJ6GEYJ750V	S.M.CARB	0.1W	5%	75 Ω
R3117	ERJ3GEYJ101V	S.M.CARB	0.1W	5%	100 Ω
R3118	ERJ3GEY0R00V	S.M.CARB	0.1W		0 Ω
R3119	ERJ6GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R3120	ERJ6GEYJ750V	S.M.CARB	0.1W	5%	75 Ω
R3121	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω
R3122	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω
R3123	ERJ3GEYJ474V	S.M.CARB	0.1W	5%	470K Ω
R3124	ERJ3GEYJ474V	S.M.CARB	0.1W	5%	470K Ω
R3125	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω
R3126	ERJ3GEYJ103V	S.M.CARB	0.1W	5%	10K Ω
R3127	ERJ3GEYJ474V	S.M.CARB	0.1W	5%	470K Ω
R3128	ERJ3GEYJ474V	S.M.CARB	0.1W	5%	470K Ω
R3201	ERJ6GEYJ103V	S.M.CARB	0.1W	5%	10K Ω
R3202	ERJ6GEYJ103V	S.M.CARB	0.1W	5%	10K Ω
R3203	ERDS1TJ151T	CARBON	0.5W	5%	150 Ω

Cct Ref	Parts Number	Description			
R3208	ERDS1TJ151T	CARBON	0.5W	5%	150 Ω
R3212	ERJ6GEYJ101V	S.M.CARB	0.1W	5%	100 Ω
R3213	ERJ6GEYJ101V	S.M.CARB	0.1W	5%	100 Ω
R3214	ERJ6GEYJ153V	S.M.CARB	0.1W	5%	15K Ω
R3215	ERJ6GEYJ153V	S.M.CARB	0.1W	5%	15K Ω
R3301	ERJ6GEY0R00V	S.M.CARB	0.1W		0 Ω
R3302	ERJ6GEYJ103V	S.M.CARB	0.1W	5%	10K Ω
R3303	ERJ3GEYJ822V	S.M.CARB	0.1W	5%	8K2 Ω
R3304	ERJ3GEYJ221V	S.M.CARB	0.1W	5%	220 Ω
R3305	ERJ3GEYJ750V	S.M.CARB	0.1W	5%	75 Ω
R3306	ERJ3GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R3307	ERJ3GEYJ221V	S.M.CARB	0.1W	5%	220 Ω
R3308	ERJ3GEYJ750V	S.M.CARB	0.1W	5%	75 Ω
R3309	ERJ3GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R3311	ERJ6ENF82R0V	S.M.CARB	0.1W	1%	82 Ω
R3312	ERJ6ENF82R0V	S.M.CARB	0.1W	1%	82 Ω
R3313	ERJ6ENF82R0V	S.M.CARB	0.1W	1%	82 Ω
R3354	ERJ6GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R3355	ERJ6GEYJ391V	S.M.CARB	0.1W	5%	390 Ω
R3356	ERJ6GEYJ681V	S.M.CARB	0.1W	5%	680 Ω
R3357	ERJ6GEYJ681V	S.M.CARB	0.1W	5%	680 Ω
R3358	ERJ6GEYJ681V	S.M.CARB	0.1W	5%	680 Ω
R3362	ERJ6GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R3363	ERJ6GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R3364	ERJ6GEYJ102V	S.M.CARB	0.1W	5%	1K Ω
R3801	ERJ6GEYJ123V	S.M.CARB	0.1W	5%	12K Ω
R3803	ERDS1TJ751V	CARBON	0.5W	5%	750 Ω
R3805	ERG2SJS270H	METAL	2W	5%	27 Ω
R3810	ERJ6GEYJ822V	S.M.CARB	0.1W	5%	8K2 Ω
CAPACITORS					
C107	ECJ2VF1H104Z	S.M.CAP	50V		100nF
C109	ECJ2VB1H102K	S.M.CAP	50V		1nF
C110	ECJ2VB1H103K	S.M.CAP	50V		10nF
C111	ECA1HMR33B	ELECT	50V		330nF
C117	ECJ2VB1H103K	S.M.CAP	50V		10nF
C118	ECJ2VF1H104Z	S.M.CAP	50V		100nF
C119	ECA1CM221B	ELECT	16V		220μF
C122	ECJ2FB1H104K	S.M.CAP	50V		100nF
C130	ECJ2VB1H103K	S.M.CAP	50V		10nF
C131	ECJ2VB1C104K	S.M.CAP	16V		100nF
C136	ECJ2FB1H104K	S.M.CAP	50V		100nF
C137	ECJ2VC1H100D	S.M.CAP	50V		10pF
C138	ECJ2VC1H220J	S.M.CAP	50V		22pF
C141	ECJ2VB1H103K	S.M.CAP	50V		10nF
C142	ECJ2FB1H104K	S.M.CAP	50V		100nF
C251	ECA1HM010B	ELECT	50V		1μF
C252	ECA1HM010B	ELECT	50V		1μF
C253	ECA1HM4R7B	ELECT	50V		4.7μF
C254	ECJ2VB1H103K	S.M.CAP	50V		10nF
C255	ECA1HM4R7B	ELECT	50V		4.7μF
C256	ECJ2VB1H103K	S.M.CAP	50V		10nF
C259	ECQV1H684JL3	FILM	50V		680nF
C260	ECQV1H684JL3	FILM	50V		680nF
C261	ECA1HM100B	ELECT	50V		10μF
C262	ECA1HM100B	ELECT	50V		10μF
C263	ECA1HM101B	ELECT	50V		100μF
C264	ECQV1H154JL3	FILM	50V		150nF
C265	ECQV1H154JL3	FILM	50V		150nF
C266	ECJ2FB1H104K	S.M.CAP	50V		100nF
C267	ECJ2FB1H104K	S.M.CAP	50V		100nF
C269	ECA1HM332E	ELECT	50V		3300μF
C350	ECJ2VC1H102J	S.M.CAP	50V		1nF
C351	ECJ2VC1H030C	S.M.CAP	50V		3pF
C352	ECJ2VF1H224Z	S.M.CAP	50V		220nF
C353	ECJ2FB1H104K	S.M.CAP	50V		100nF
C354	ECQE2104KF3	FILM	250V		100nF

Cct Ref	Parts Number	Description			
C355	ECKR2H102KB5	CERAMIC	500V		1nF
C358	ECJ2VC1H222J	S.M.CAP	50V		2.2nF
C359	ECJ2VC1H030C	S.M.CAP	50V		3pF
C360	ECJ2VC1H102J	S.M.CAP	50V		1nF
C361	ECJ2VC1H030C	S.M.CAP	50V		3pF
C362	ECJ2VF1H224Z	S.M.CAP	50V		220nF
C363	ECJ2FB1H104K	S.M.CAP	50V		100nF
C364	ECQE2104KF3	FILM	250V		100nF
C365	ECKR2H102KB5	CERAMIC	500V		1nF
C368	ECJ2VC1H222J	S.M.CAP	50V		2.2nF
C369	ECJ2VC1H220J	S.M.CAP	50V		22pF
C370	ECJ2VC1H102J	S.M.CAP	50V		1nF
C371	ECJ2VC1H030C	S.M.CAP	50V		3pF
C372	ECJ2VF1H224Z	S.M.CAP	50V		220nF
C373	ECJ2FB1H104K	S.M.CAP	50V		100nF
C374	ECQE2104KF3	FILM	250V		100nF
C375	ECKR2H102KB5	CERAMIC	500V		1nF
C378	ECJ2VC1H222J	S.M.CAP	50V		2.2nF
C381	SMG1CV101MT5	ELECT	16V		100μF
C382	ECA1CM471B	ELECT	16V		470μF
C383	ECJ2VB1H103K	S.M.CAP	50V		10nF
C384	ECQE2104KFW	FILM	250V		100nF
C385	ECA2EM220B	ELECT	250V		22μF
C386	ECKW3D152JBR	CERAMIC	2KV		1.5nF
C395	ECA1HMR47B	ELECT	50V		470nF
C451	ECJ2VB1H152K	S.M.CAP	50V		1.5nF
C456	KMG1HV221MT5	ELECT	50V		220μF
C459	ECQB1224KFW	FILM	100V		220nF
C463	ECA1HM221B	ELECT	50V		220μF
C501	ECA1EM101B	ELECT	25V		100μF
C508	ECQB1H103JF3	FILM	50V		10nF
C509	SMG1VV470MT5	ELECT	35V		47μF
C551	ECKW3D271JBR	CERAMIC	2kV		270pF
C552	ECWH20102JVY	FILM	2kV		1nF
C557	ECKR2H471KB5	CERAMIC	500V		470pF
C558	ECA1HHG471B	ELECT	50V		470μF
C559	ECJ2FB1H104K	S.M.CAP	50V		100nF
C560	ECQE2683KFW	FILM	250V		68nF
C561	ECA1EM222E	ELECT	25V		2200μF
C562	ECKR2H101KB5	CERAMIC	500V		100pF
C563	ECA2EM100B	ELECT	250V		10μF
C564	ECEA2AU2R2B	ELECT	100V		2.2μF
C565	ECQB1H273JF3	FILM	50V		27nF
C566	ECKR2H471KB5	CERAMIC	500V		470pF
C567	ECA1EM222E	ELECT	25V		2200μF
C568	ECKR2H471KB5	CERAMIC	500V		470pF
C569	ECKR2H102KB5	CERAMIC	500V		1nF
C573	ECJ2VC1H221J	S.M.CAP	50V		220pF
C574	ECJ2VC1H221J	S.M.CAP	50V		220pF
C581	ECWF4624JBB	FILM	400V		620nF
C582	ECWF4564JBB	FILM	400V		560nF
C583	ECWH20622JVB	FILM	2KV		6.2nF
C584	ECWH20562JVB	FILM	2KV		5.6nF
C586	ECQF4153JZH	FILM	400V		15nF
C587	ECQF4153JZH	FILM	400V		15nF
C588	ECWF4824JBB	FILM	400V		820nF
C701	ECKR2H152KB5	CERAMIC	500V		1.5nF
C702	ECQE1335KFB	FILM	100V		3.3μF
C703	ECJ2VB1H333K	S.M.CAP	50V		33nF
C704	ECQV1H474JL3	FILM	50V		470nF
C706	ECKR2H471KB5	CERAMIC	500V		470pF
C707	ECJ2VB1H471K	S.M.CAP	50V		470pF
C708	ECJ2VB1H333K	S.M.CAP	50V		33nF
C709	ECJ2VB1H333K	S.M.CAP	50V		33nF
C801	222233820224	FILM	275V		220nF
C802	222233820224	FILM	275V		220nF

Cct Ref	Parts Number	Description			
C804	222233820154	FILM	275V	150nF	△
C806	ECKWNA101MB	CERAMIC	400V	100pF	△
C807	ECKW2H472PU7	CERAMIC	500V	4.7nF	
C808	ECKW2H472PU7	CERAMIC	500V	4.7nF	
C809	ECKW2H472PU7	CERAMIC	500V	4.7nF	
C810	ECKW2H472PU7	CERAMIC	500V	4.7nF	
C812	ECQE6823KFB	FILM	630V	82nF	
C813	ECKWAE472ZE	CERAMIC	500V	4.7nF	
C814	ECA2WM100E	ELECT	450V	10μF	
C815	ECKW3D392KBP	CERAMIC	2kV	3.9nF	
C816	ECQV1H104JL3	FILM	50V	0.1μF	
C817	ECKR1H101KB5	CERAMIC	50V	100pF	
C838	ECJ2VC1H151J	S.M.CAP	50V	150pF	
C839	ECKCWS332MEB	CERAMIC	250V	3.3nF	△
C842	ECQB1H821JF3	FILM	50V	820pF	
C843	ECKR1H471KB5	CERAMIC	50V	470pF	
C844	ECKW3D152KBP	CERAMIC	2KV	1.5nF	
C847	ECA1EM101B	ELECT	25V	100μF	
C849	43303S9227M5	ELECT	400V	220μF	
C855	ECJ2VB1H103K	S.M.CAP	50V	10nF	
C856	ECJ2VB1H103K	S.M.CAP	50V	10nF	
C865	ECA1HM100B	ELECT	50V	10μF	
C866	ECA1HM100B	ELECT	50V	10μF	
C867	ECA1CM222B	ELECT	16V	2200μF	
C868	ECA1CM471B	ELECT	16V	470μF	
C870	EEUFC1E102B	ELECT	25V	1000μF	
C871	ECKR2H471KB5	CERAMIC	500V	470pF	
C873	EEUFC1E102B	ELECT	25V	1000μF	
C874	ECKR2H471KB5	CERAMIC	500V	470pF	
C891	ECA1HM010B	ELECT	50V	1μF	
C892	ECA1CM100B	ELECT	16V	10μF	
C893	ECA2CHG101E	ELECT	160V	100μF	
C894	EEUEB2D101E	ELECT	200V	100μF	
C895	ECKW3D471KBP	CERAMIC	2KV	470pF	
C896	ECA1HHG102E	ELECT	50V	1nF	
C897	ECA1VHG331B	ELECT	35V	330pF	
C899	ECKR2H471KB5	CERAMIC	500V	470pF	
C902	ECA1VM101B	ELECT	35V	100μF	
C904	ECJ2VF1H103Z	S.M.CAP	50V	10nF	
C909	ECKR2H472MD5	CERAMIC	500V	4.7nF	
C910	ECKR2H472MD5	CERAMIC	500V	4.7nF	
C912	ECA2CM220B	ELECT	160V	22μF	
C916	ECA2CM100B	ELECT	160V	10μF	
C917	ECA1HM100B	ELECT	50V	10μF	
C918	ECJ2VF1H103Z	S.M.CAP	50V	10nF	
C1002	SMG1CV101MT5	ELECT	16V	100μF	
C1003	ECJ2FB1H104K	S.M.CAP	50V	100nF	
C1004	ECJ2VB1H103K	S.M.CAP	50V	10nF	
C1005	SMG1CV101MT5	ELECT	16V	100μF	
C1006	ECJ2FB1H104K	S.M.CAP	50V	100nF	
C1007	ECJ2VC1H270J	S.M.CAP	50V	27pF	
C1101	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1102	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1103	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1104	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1105	F1J1A1050020	CERAMIC	16V	2.2μF	
C1106	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1107	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1108	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1109	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1110	F1J1A1050020	CERAMIC	16V	2.2μF	
C1111	ECJ1VC1H271J	S.M.CAP	50V	270pF	
C1112	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1113	ECEA1AKA101B	ELECT	10V	100μF	
C1114	ECEA1CKA100B	ELECT	16V	10μF	
C1115	ECJ1VF1E104Z	S.M.CAP	25V	100nF	

Cct Ref	Parts Number	Description			
C1116	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1117	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1118	ECJ1VB1H472K	S.M.CAP	50V	4.7nF	
C1119	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1120	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1121	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1122	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1123	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1124	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1125	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1126	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1127	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1128	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1129	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1130	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1131	ECJ1VC1H220J	S.M.CAP	50V	22pF	
C1132	ECJ1VC1H220J	S.M.CAP	50V	22pF	
C1133	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1134	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1135	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1136	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1138	ECJ1VC1H221J	S.M.CAP	50V	220pF	
C1139	ECJ1VC1H221J	S.M.CAP	50V	220pF	
C1140	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1142	ECJ1VC1H151J	S.M.CAP	50V	150pF	
C1145	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1146	ECEA1CKA100B	ELECT	16V	10μF	
C1150	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1151	ECJ1VB1H102K	S.M.CAP	50V	1nF	
C1155	ECJ1VB1C473K	S.M.CAP	16V	47nF	
C1156	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1157	ECJ2VF1C105Z	S.M.CAP	16V	1μF	
C1159	ECEA1CKA100B	ELECT	16V	10μF	
C1160	ECEA1AKA101B	ELECT	10V	100μF	
C1161	ECEA1AKA101B	ELECT	10V	100μF	
C1162	ECEA1AKA101B	ELECT	10V	100μF	
C1163	ECEA1AKA221Q	ELECT	10V	220μF	
C1164	ECEA1AKA101B	ELECT	10V	100μF	
C1165	ECJ2VF1C105Z	S.M.CAP	16V	1μF	
C1166	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1167	ECEA1AKA101B	ELECT	10V	100μF	
C1168	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1169	ECEA1AKA101B	ELECT	10V	100μF	
C1170	ECEA1AKA101B	ELECT	10V	100μF	
C1171	F1J1A1050020	CERAMIC	16V	2.2μF	
C1177	ECJ1VB1H102K	S.M.CAP	50V	1nF	
C1178	ECJ1VB1H102K	S.M.CAP	50V	1nF	
C1179	ECJ1VB1H102K	S.M.CAP	50V	1nF	
C1180	ECJ1VC1H271J	S.M.CAP	50V	270pF	
C1181	ECJ1VC1H271J	S.M.CAP	50V	270pF	
C1182	ECJ1VC1H271J	S.M.CAP	50V	270pF	
C1183	ECJ1VC1H271J	S.M.CAP	50V	270pF	
C1184	ECJ1VC1H271J	S.M.CAP	50V	270pF	
C1185	ECJ1VC1H271J	S.M.CAP	50V	270pF	
C1188	ECJ1VF1H103Z	S.M.CAP	50V	10nF	
C1189	ECJ1VF1H103Z	S.M.CAP	50V	10nF	
C1190	ECJ1VF1H103Z	S.M.CAP	50V	10nF	
C1191	ECJ1VF1H103Z	S.M.CAP	50V	10nF	
C1192	ECJ1VF1H103Z	S.M.CAP	50V	10nF	
C1501	ECJ1VC1H220J	S.M.CAP	50V	22pF	
C1502	ECJ1VC1H220J	S.M.CAP	50V	22pF	
C1503	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1504	ECJ2VF1C105Z	S.M.CAP	16V	1μF	
C1505	ECJ2VF1C105Z	S.M.CAP	16V	1μF	
C1506	ECJ1VF1E104Z	S.M.CAP	25V	100nF	
C1507	ECJ1VF1E104Z	S.M.CAP	25V	100nF	

Cct Ref	Parts Number	Description		
C1508	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C1509	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C1510	ECJ1VF1E104Z	S.M.CAP	25V	100nF
C1511	ECJ1VF1E104Z	S.M.CAP	25V	100nF
C1512	ECJ1VF1E104Z	S.M.CAP	25V	100nF
C1513	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C1514	ECJ1VF1E104Z	S.M.CAP	25V	100nF
C1515	ECEA1CKA100B	ELECT	16V	10μF
C1516	ECJ1VB1H103K	S.M.CAP	50V	10nF
C1517	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C1518	ECJ1VF1E104Z	S.M.CAP	25V	100nF
C1519	ECEA1CKA100B	ELECT	16V	10μF
C1520	ECJ1VB1H103K	S.M.CAP	50V	10nF
C1521	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C1522	ECJ1VF1E104Z	S.M.CAP	25V	100nF
C1523	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C1524	ECJ1VF1E104Z	S.M.CAP	25V	100nF
C1525	ECJ1VF1E104Z	S.M.CAP	25V	100nF
C1526	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C1527	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C1528	ECJ1VF1E104Z	S.M.CAP	25V	100nF
C1529	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C1530	ECJ1VF1E104Z	S.M.CAP	25V	100nF
C1531	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C1532	ECJ1VF1E104Z	S.M.CAP	25V	100nF
C1533	ECJ1VB1H103K	S.M.CAP	50V	10nF
C1534	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C1535	ECJ1VF1E104Z	S.M.CAP	25V	100nF
C1536	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C1537	ECJ1VF1E104Z	S.M.CAP	25V	100nF
C1538	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C1539	ECJ1VF1E104Z	S.M.CAP	25V	100nF
C1543	ECJ2FB1H104K	S.M.CAP	50V	100nF
C1544	ECJ2FB1H104K	S.M.CAP	50V	100nF
C1545	ECEA1AKA101B	ELECT	10V	100μF
C1546	ECJ1VF1E104Z	S.M.CAP	25V	100nF
C1547	ECJ1VF1E104Z	S.M.CAP	25V	100nF
C1548	ECJ1VF1E104Z	S.M.CAP	25V	100nF
C1549	ECEA1AKA101B	ELECT	10V	100μF
C1550	ECJ1VF1E104Z	S.M.CAP	25V	100nF
C1551	ECJ1VF1E104Z	S.M.CAP	25V	100nF
C1556	ECJ1VF1E104Z	S.M.CAP	25V	100nF
C1557	ECEA1CKA100B	ELECT	16V	10μF
C1562	ECEA1HKAR33B	ELECT	50V	0.33μF
C1563	ECEA1CKA220B	ELECT	16V	22μF
C1573	ECJ1VB1C473K	S.M.CAP	16V	47nF
C1574	ECJ1VB1C473K	S.M.CAP	16V	47nF
C1575	ECJ1VB1C473K	S.M.CAP	16V	47nF
C1577	ECJ1VB1H103K	S.M.CAP	50V	10nF
C1580	ECEA1CKA100B	ELECT	16V	10μF
C1701	ECJ1VC1H270J	S.M.CAP	50V	27pF
C1702	ECJ1VC1H270J	S.M.CAP	50V	27pF
C1703	ECJ1VC1H271J	S.M.CAP	50V	270pF
C1704	ECJ1VC1H561J	S.M.CAP	50V	560pF
C1705	ECJ1VB1H222K	S.M.CAP	50V	2.2nF
C1706	ECEA1AKA101B	ELECT	10V	100μF
C1707	ECJ1VC1H270J	S.M.CAP	50V	27pF
C1709	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C1710	ECJ1VB1H153K	S.M.CAP	50V	15nF
C1711	ECJ1VB1H682K	S.M.CAP	50V	6.8nF
C1713	ECEA1CKA100B	ELECT	16V	10μF
C1714	ECJ1VF1E104Z	S.M.CAP	25V	100nF
C1715	ECEA1AKA101B	ELECT	10V	100μF
C1716	ECJ1VB1H222K	S.M.CAP	50V	2.2nF
C1717	ECJ1VC1H561J	S.M.CAP	50V	560pF
C1718	ECJ1VC1H271J	S.M.CAP	50V	270pF

Cct Ref	Parts Number	Description		
C1719	ECJ1VB1H103K	S.M.CAP	50V	10nF
C1720	ECJ1VB1H103K	S.M.CAP	50V	10nF
C1721	ECJ1VB1H103K	S.M.CAP	50V	10nF
C1722	ECJ1VB1H103K	S.M.CAP	50V	10nF
C1723	ECEA1CKA101B	ELECT	16V	100μF
C1724	ECJ1VB1H222K	S.M.CAP	50V	2.2nF
C1725	ECJ1VB1H103K	S.M.CAP	50V	10nF
C1726	ECJ1VB1H103K	S.M.CAP	50V	10nF
C1727	ECJ1VB1H103K	S.M.CAP	50V	10nF
C1728	ECJ1VB1H222K	S.M.CAP	50V	2.2nF
C1729	ECJ1VC1H561J	S.M.CAP	50V	560pF
C1730	ECJ1VC1H271J	S.M.CAP	50V	270pF
C1731	ECJ1VF1E104Z	S.M.CAP	25V	100nF
C1732	ECJ1VF1E104Z	S.M.CAP	25V	100nF
C1733	ECJ1VF1E104Z	S.M.CAP	25V	100nF
C1734	ECJ1VC1H391J	S.M.CAP	50V	390pF
C1735	ECJ1VC1H391J	S.M.CAP	50V	390pF
C1736	ECJ1VC1H391J	S.M.CAP	50V	390pF
C1737	ECJ2VB1C224K	S.M.CAP	16V	220nF
C1738	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C1739	ECEA1AKA221Q	ELECT	10V	220μF
C1740	ECJ1VB1H103K	S.M.CAP	50V	10nF
C1741	ECA1AM101B	ELECT	10V	100μF
C1742	ECEA1HKA3R3B	ELECT	50V	3.3μF
C1743	ECEA1HKA3R3B	ELECT	50V	3.3μF
C1744	ECJ1VF1E104Z	S.M.CAP	25V	100nF
C1752	ECJ1VB1H471K	S.M.CAP	50V	470pF
C1783	ECJ1VC1H151J	S.M.CAP	50V	150pF
C1784	ECJ1VB1H103K	S.M.CAP	50V	10nF
C1901	ECJ2VB1H103K	S.M.CAP	50V	10nF
C1902	ECJ2FB1H104K	S.M.CAP	50V	100nF
C1905	ECA1CM470B	ELECT	16V	47μF
C1906	ECJ2VB1H103K	S.M.CAP	50V	10nF
C1907	ECA1CM470B	ELECT	16V	47μF
C1908	ECJ2FB1H104K	S.M.CAP	50V	100nF
C1909	ECJ2FB1H104K	S.M.CAP	50V	100nF
C2001	ECA1CM100B	ELECT	16V	10μF
C2002	ECJ2FB1H104K	S.M.CAP	50V	100nF
C2004	ECJ2VC1H221J	S.M.CAP	50V	220pF
C2005	ECJ2FB1H104K	S.M.CAP	50V	100nF
C2006	ECJ2VB1H102K	S.M.CAP	50V	1nF
C2007	ECJ2VB1H102K	S.M.CAP	50V	1nF
C2009	ECJ2VB1H102K	S.M.CAP	50V	1nF
C2010	ECJ2VB1H102K	S.M.CAP	50V	1nF
C2011	ECJ2VB1H102K	S.M.CAP	50V	1nF
C2012	ECA1CM100B	ELECT	16V	10μF
C2013	ECA1CM100B	ELECT	16V	10μF
C2014	ECJ2VC1H471J	S.M.CAP	50V	470pF
C2015	ECJ2VB1H152K	S.M.CAP	50V	1.5nF
C2016	ECA1HM100B	ELECT	50V	10μF
C2017	ECJ2VB1H102K	S.M.CAP	50V	1nF
C2018	ECJ2VB1H102K	S.M.CAP	50V	1nF
C2019	ECJ2VB1H102K	S.M.CAP	50V	1nF
C2020	ECJ2VB1H102K	S.M.CAP	50V	1nF
C2021	ECA1HM3R3B	ELECT	50V	3.3μF
C2022	ECJ2FB1H104K	S.M.CAP	50V	100nF
C2023	ECJ2VC1H221J	S.M.CAP	50V	220pF
C2024	ECJ2VC1H221J	S.M.CAP	50V	220pF
C2025	ECA1CM100B	ELECT	16V	10μF
C2026	ECJ2FB1H104K	S.M.CAP	50V	100nF
C2027	ECJ2VC1H221J	S.M.CAP	50V	220pF
C2028	ECA1CM100B	ELECT	16V	10μF
C2029	ECJ2FB1H104K	S.M.CAP	50V	100nF
C2030	ECJ2FB1H104K	S.M.CAP	50V	100nF
C2031	ECJ2VC1H070D	S.M.CAP	50V	7pF
C2032	ECJ2VC1H470J	S.M.CAP	50V	47pF

Cct Ref	Parts Number	Description		
C2034	ECJ2VC1H010C	S.M.CAP	50V	1pF
C2035	ECJ2VC1H010C	S.M.CAP	50V	1pF
C2037	ECA1CM102B	ELECT	16V	1000μF
C2038	ECA1CM471B	ELECT	16V	470μF
C2039	ECJ2VB1H103K	S.M.CAP	50V	10nF
C2040	ECJ2VB1H103K	S.M.CAP	50V	10nF
C2041	ECJ2VF1C334Z	S.M.CAP	16V	330nF
C2042	ECJ2VF1C334Z	S.M.CAP	16V	330nF
C2043	ECJ2VB1H103K	S.M.CAP	50V	10nF
C2044	ECA1CM102B	ELECT	16V	1000μF
C2045	ECA1CM331B	ELECT	16V	330μF
C2046	ECJ2VC1H030C	S.M.CAP	50V	3pF
C2351	ECA1CM470B	ELECT	16V	47μF
C2352	ECA1HM010B	ELECT	50V	1μF
C2353	ECA1HM010B	ELECT	50V	1μF
C2355	ECJ2VC1H101J	S.M.CAP	50V	100pF
C2356	ECJ2VC1H101J	S.M.CAP	50V	100pF
C2357	ECJ2VB1H103K	S.M.CAP	50V	10nF
C2358	ECA1HM100B	ELECT	50V	10μF
C2359	ECA1HM010B	ELECT	50V	1μF
C2360	ECA1HM010B	ELECT	50V	1μF
C2361	ECA1VM102B	ELECT	35V	1000μF
C2362	ECA1VM102B	ELECT	35V	1000μF
C2363	ECJ2VC1H102J	S.M.CAP	50V	1nF
C2364	ECJ2VC1H102J	S.M.CAP	50V	1nF
C2369	ECA1CM331B	ELECT	16V	330μF
C2370	ECA1CM102B	ELECT	16V	1000μF
C2371	SMG1CV101MT5	ELECT	16V	100μF
C3001	ECJ1VC1H561J	S.M.CAP	50V	560pF
C3002	ECJ1VC1H561J	S.M.CAP	50V	560pF
C3003	ECJ1VC1H561J	S.M.CAP	50V	560pF
C3005	ECJ1VC1H561J	S.M.CAP	50V	560pF
C3006	ECJ1VC1H561J	S.M.CAP	50V	560pF
C3007	ECJ1VC1H561J	S.M.CAP	50V	560pF
C3009	ECJ1VC1H561J	S.M.CAP	50V	560pF
C3010	ECJ1VC1H561J	S.M.CAP	50V	560pF
C3011	ECEA1CKA100B	ELECT	16V	10μF
C3012	ECJ1VC1H561J	S.M.CAP	50V	560pF
C3014	ECJ1VC1H561J	S.M.CAP	50V	560pF
C3015	ECJ1VC1H561J	S.M.CAP	50V	560pF
C3016	ECEA1CKA100B	ELECT	16V	10μF
C3017	ECJ1VC1H561J	S.M.CAP	50V	560pF
C3019	ECJ1VC1H561J	S.M.CAP	50V	560pF
C3020	ECJ1VC1H561J	S.M.CAP	50V	560pF
C3021	ECJ1VC1H561J	S.M.CAP	50V	560pF
C3023	ECJ1VC1H561J	S.M.CAP	50V	560pF
C3024	ECJ1VC1H561J	S.M.CAP	50V	560pF
C3025	ECJ1VC1H561J	S.M.CAP	50V	560pF
C3027	ECEA1CKA100B	ELECT	16V	10μF
C3028	ECEA1CKA100B	ELECT	16V	10μF
C3029	ECEA1CKA100B	ELECT	16V	10μF
C3030	ECEA1CKA100B	ELECT	16V	10μF
C3035	ECEA1CKA470B	ELECT	16V	47μF
C3036	ECEA1CKA470B	ELECT	16V	47μF
C3037	ECJ1VC1H101J	S.M.CAP	50V	100pF
C3038	ECJ1VC1H101J	S.M.CAP	50V	100pF
C3039	ECJ1VC1H101J	S.M.CAP	50V	100pF
C3040	ECJ1VC1H561J	S.M.CAP	50V	560pF
C3041	ECJ1VC1H561J	S.M.CAP	50V	560pF
C3042	ECJ1VC1H561J	S.M.CAP	50V	560pF
C3043	ECJ1VC1H561J	S.M.CAP	50V	560pF
C3044	ECJ1VB1C104K	S.M.CAP	16V	100nF
C3045	ECEA1CKA100B	ELECT	16V	10μF
C3046	ECEA1CKA100B	ELECT	16V	10μF
C3047	ECEA1CKA100B	ELECT	16V	10μF
C3048	ECEA1CKA100B	ELECT	16V	10μF

Cct Ref	Parts Number	Description		
C3051	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C3052	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C3053	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C3054	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C3055	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C3056	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C3057	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C3058	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C3059	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C3060	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C3061	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C3062	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C3063	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C3064	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C3065	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C3066	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C3067	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C3068	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C3069	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C3071	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C3072	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C3073	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C3074	ECJ2VF1C474Z	S.M.CAP	16V	470nF
C3076	ECEA1CKA100B	ELECT	16V	10μF
C3077	ECEA1CKA100B	ELECT	16V	10μF
C3078	ECEA1CKA470B	ELECT	16V	47μF
C3079	ECJ1VB1H103K	S.M.CAP	50V	10nF
C3080	ECEA1CKA100B	ELECT	16V	10μF
C3081	ECEA1CKA100B	ELECT	16V	10μF
C3083	ECEA1CKA100B	ELECT	16V	10μF
C3084	ECJ2YB1H473K	S.M.CAP	50V	47nF
C3085	ECJ2YB1H473K	S.M.CAP	50V	47nF
C3086	ECJ2YB1H473K	S.M.CAP	50V	47nF
C3087	ECJ2YB1H473K	S.M.CAP	50V	47nF
C3088	ECJ2YB1H473K	S.M.CAP	50V	47nF
C3089	ECJ2YB1H473K	S.M.CAP	50V	47nF
C3092	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C3093	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C3094	ECJ2VF1C105Z	S.M.CAP	16V	1μF
C3201	ECJ2VB1H103K	S.M.CAP	50V	10nF
C3202	ECJ2VB1H103K	S.M.CAP	50V	10nF
C3203	ECJ2VC1H561J	S.M.CAP	50V	560pF
C3204	ECJ2VC1H561J	S.M.CAP	50V	560pF
C3205	SMG1HV470MT5	ELECT	50V	47μF
C3206	SMG1HV470MT5	ELECT	50V	47μF
C3207	ECJ2VC1H271J	S.M.CAP	50V	270pF
C3211	ECJ2VC1H271J	S.M.CAP	50V	270pF
C3213	ECJ2VC1H561J	S.M.CAP	50V	560pF
C3214	ECJ2VC1H561J	S.M.CAP	50V	560pF
C3215	SMG1HV470MT5	ELECT	50V	47μF
C3216	SMG1HV470MT5	ELECT	50V	47μF
C3217	ECJ2VC1H561J	S.M.CAP	50V	560pF
C3218	ECJ2VC1H561J	S.M.CAP	50V	560pF
C3301	ECJ1VB1H103K	S.M.CAP	50V	10nF
C3302	ECEA1AKA330B	ELECT	10V	33μF
C3303	ECJ1VC1H271J	S.M.CAP	50V	270pF
C3304	ECJ1VC1H271J	S.M.CAP	50V	270pF
C3305	ECJ1VC1H221J	S.M.CAP	50V	220pF
C3306	ECJ1VC1H221J	S.M.CAP	50V	220pF
C3307	ECJ1VC1H221J	S.M.CAP	50V	220pF
C3308	ECJ1VC1H271J	S.M.CAP	50V	270pF
C3309	ECJ1VC1H271J	S.M.CAP	50V	270pF
C3310	ECJ1VC1H271J	S.M.CAP	50V	270pF
C3314	ECJ2VC1H271J	S.M.CAP	50V	270pF
C3315	ECJ2VC1H271J	S.M.CAP	50V	270pF
C3351	ECA1CM221B	ELECT	16V	220μF

Cct Ref	Parts Number	Description		
C3801	ECJ2FB1H104K	S.M.CAP	50V	100nF
C3802	ECA1CM221B	ELECT	16V	220µF
C3803	ECJ2FB1H104K	S.M.CAP	50V	100nF
C3804	ECA1CM470B	ELECT	16V	47µF
C3806	ECA1HM101B	ELECT	50V	100µF
C3807	ECA1AHG332B	ELECT	10V	3.3nF
C3808	ECJ2FB1H104K	S.M.CAP	50V	100nF
C3809	ECA0JM221B	ELECT	6.3V	220µF
C3811	ECJ2FB1H104K	S.M.CAP	50V	100nF
C3812	SMG1CV101MT5	ELECT	16V	100µF
C3813	ECJ2VB1H103K	S.M.CAP	50V	10nF
C3814	ECJ2FB1H104K	S.M.CAP	50V	100nF
C3815	SMG1CV101MT5	ELECT	16V	100µF
C3816	ECJ2FB1H104K	S.M.CAP	50V	100nF
C3817	SMG1CV101MT5	ELECT	16V	100µF
C3818	ECJ2FB1H104K	S.M.CAP	50V	100nF
C3819	ECA1AM472E	ELECT	10V	4700µF
TERMINALS AND LINKS				
JK381	330550049	CRT SOCKET		⚠
JK3001	350536400	SCART SOCKET		
JK3002	350536400	SCART SOCKET		
JK3003	350536400	SCART SOCKET		
JK3004	YKC21-5940N	RCA SOCKET		
JK3201	TJB8E027	AV TERMIAL		
SWITCHES				
S801	ESB92S11B	SWITCH		⚠
S1003	EVQ21405R	SWITCH		
S1004	EVQ21405R	SWITCH		
S1005	EVQ21405R	SWITCH		
S1006	EVQ21405R	SWITCH		
S1007	EVQ21405R	SWITCH		
RELAYS				
RL801	K6B1ADA00010	RELAY		⚠
RL803	K6B1ADA00010	RELAY		⚠
DIFFERENCES FOR MODEL TX--29PX20D				
EXPLODED VIEW				
23	TBM0E0093	MODEL LABEL		
INSTRUCTION BOOKS				
.	TQB8E3946A1M	GERMAN		
.	TQB8E3946C1M	ITALIAN		
.	TQB8E3946D1M	FRENCH		
I.C.s				
IC1104	D00/4JD	32K EAROM 24C3210PI2.7		
DIFFERENCES FOR MODEL TX--29PX20F				
EXPLODED VIEW				
23	TBM0E0094	MODEL LABEL		
INSTRUCTION BOOKS				
.	TQB8E3966A1M	GERMAN		
.	TQB8E3966B1M	DUTCH		
.	TQB8E3966D1M	FRENCH		
.	TQB8E3966E1M	SPANISH		
.	TQB8E3966F1M	SWEDISH		
.	TQB8E3966G1M	NORWEGIAN		
.	TQB8E3966H1M	FINNISH		
.	TQB8E3966K1M	DANISH		
I.C.s				
IC1104	D00/4JF	32K EAROM 24C3210PI2.7		

Cct Ref	Parts Number	Description
DIFFERENCES FOR MODEL TX--29PX20P		
EXPLODED VIEW		
23	TBM0E0095	MODEL LABEL
INSTRUCTION BOOKS		
.	TQB8E3968M1M	BULGARIAN
.	TQB8E3968N1M	ROMANIAN
.	TQB8E3968P1M	POLISH
.	TQB8E3968Q1M	HUNGARIAN
.	TQB8E3968R1M	CZECH
.	TQB8E3968U1M	ENGLISH
I.C.s		
IC1104	D00/4JP	32K EAROM 24C3210PI2.7

SCHEMATIC DIAGRAMS FOR MODELS TX-29PX20D, TX-29PX20F, TX-29PX20P (EURO-9S CHASSIS)

IMPORTANT SAFETY NOTICE

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

NOTE

1. RESISTOR
All resistors are carbon 1/4W resistor, unless marked otherwise.
Unit of resistance is OHM (Ω) (k=1,000, M=1,000,000)
2. CAPACITORS
All capacitors are ceramic 50V unless marked otherwise.
Unit of capacitance is μ F unless otherwise stated.
3. COIL
Unit of inductance is μ H, unless otherwise stated.

4. TEST POINT
 Test Point Position

5. EARTH SYMBOL
 Chassis Earth (Cold)
 Line Earth (Hot)

6. VOLTAGE MEASUREMENT
Voltage is measured by a d.c. voltmeter.
Measurement conditions are as follows:
Power source a.c. 220V-240V, 50Hz
Receiving Signal Colour Bar signal (RF)
All customer controls Maximum position

7.
 Indicates the Video signal path
 Indicates the Audio signal path

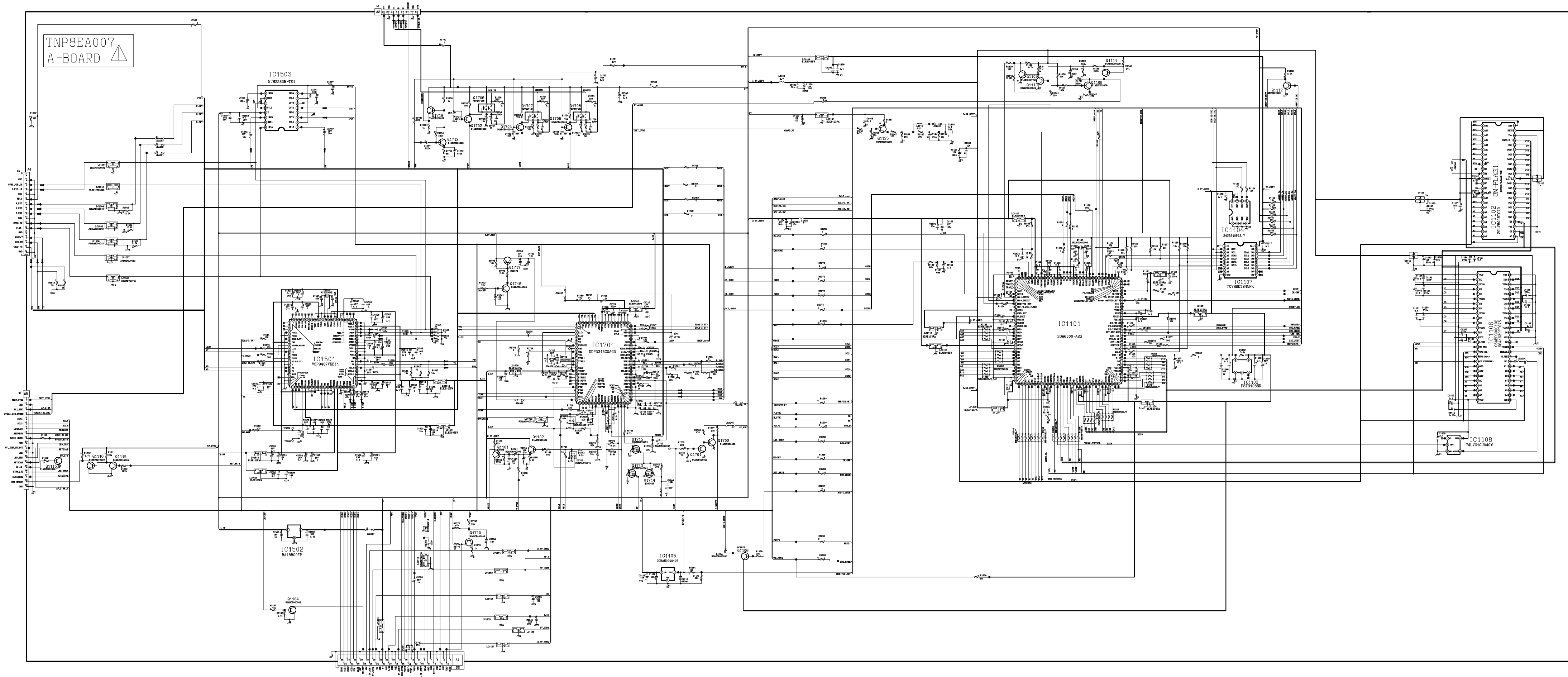
These schematic diagrams are the latest at time of printing and are subject to change without notice.

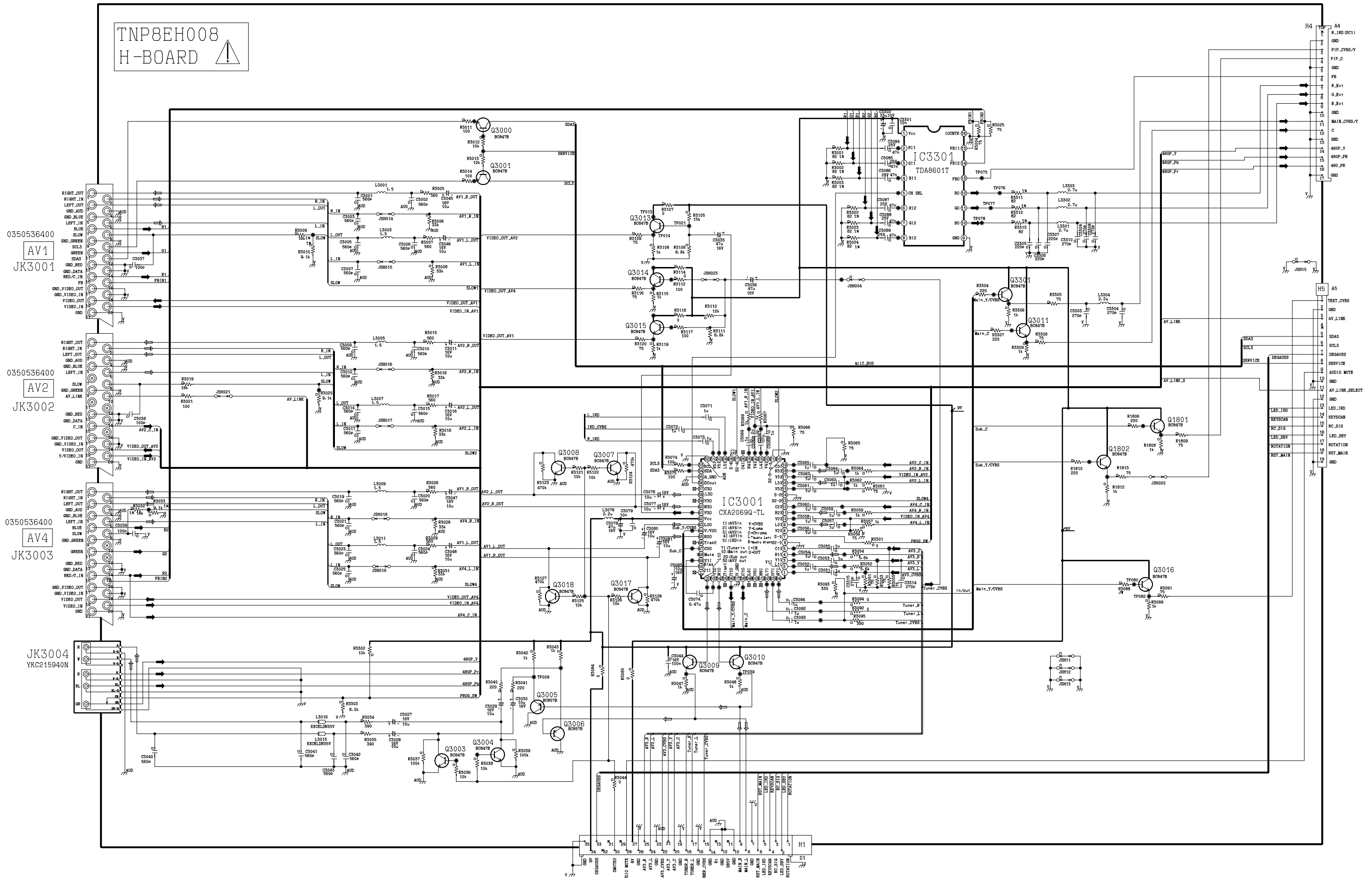
REMARKS

- a. Do not touch the hot part, or the hot and cold parts at the same time, as you are liable to a shock hazard.
- b. Do not short circuit the hot and cold circuits as electrical components may be damaged.
- c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously as this may cause fuse failure. Connect the earth of the instruments to the earth connection of the circuit being measured.
- d. Make sure to disconnect the power plug before removing the chassis.

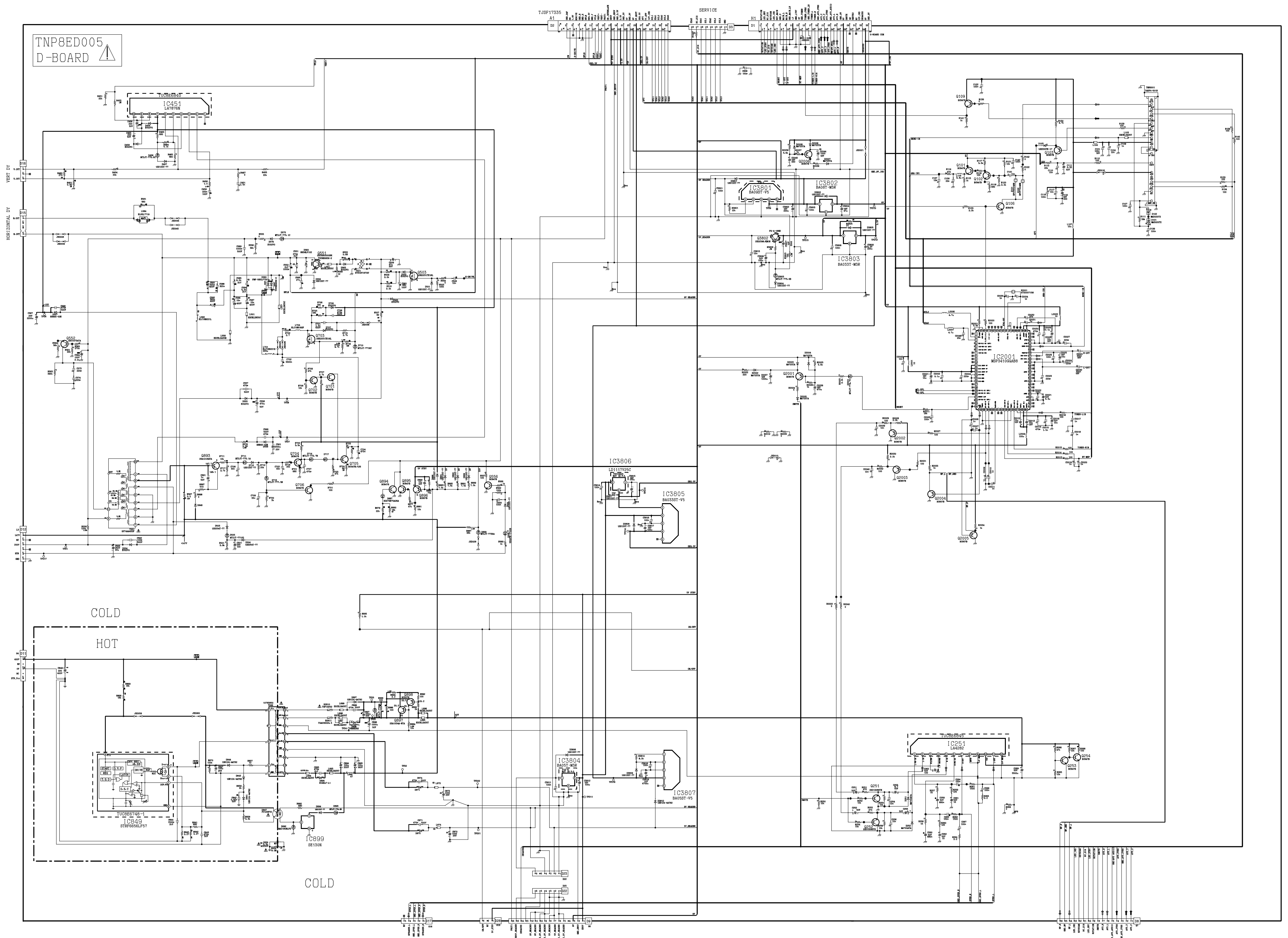
NOTE

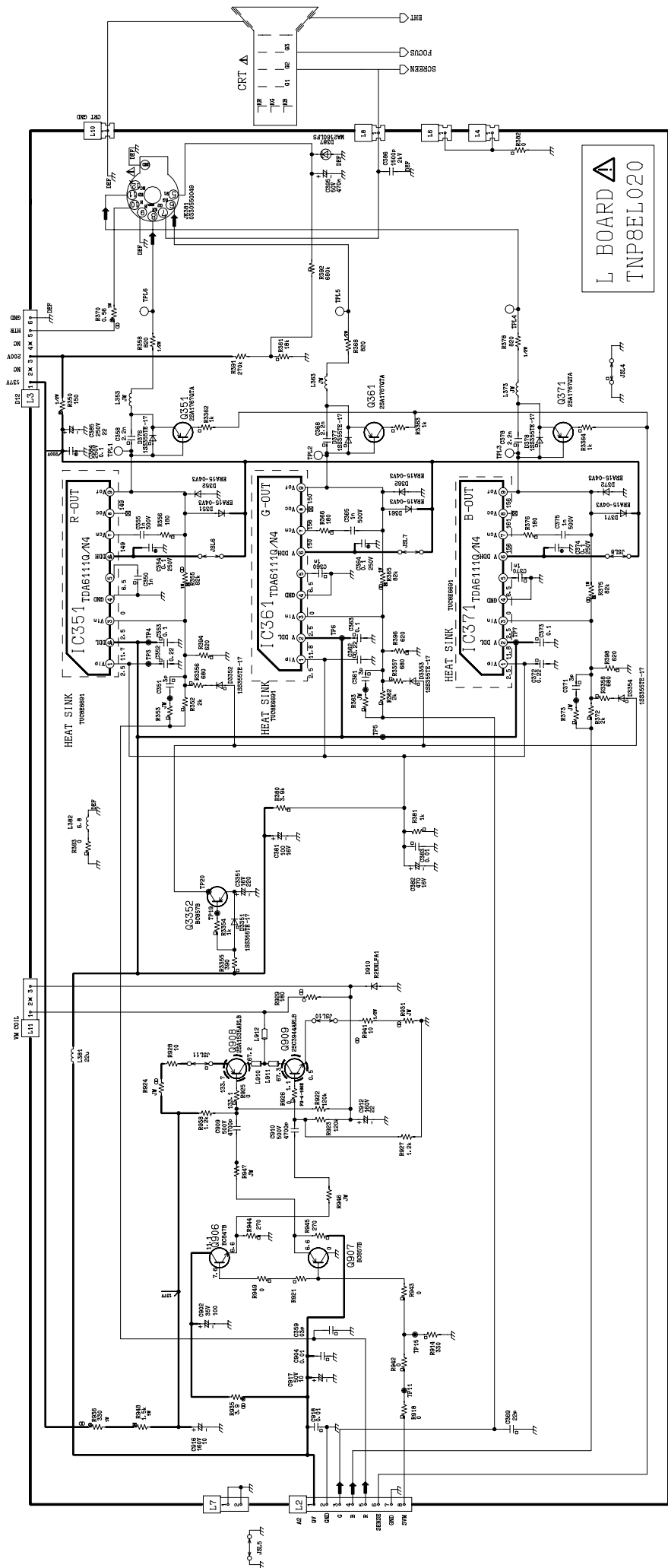
1. The Power Supply Circuit contains a circuit area, which uses a separate power supply to isolate the earth connection. The circuit is defined by HOT and COLD indications in the schematic diagram. All circuits, except the Power Circuit, are COLD.

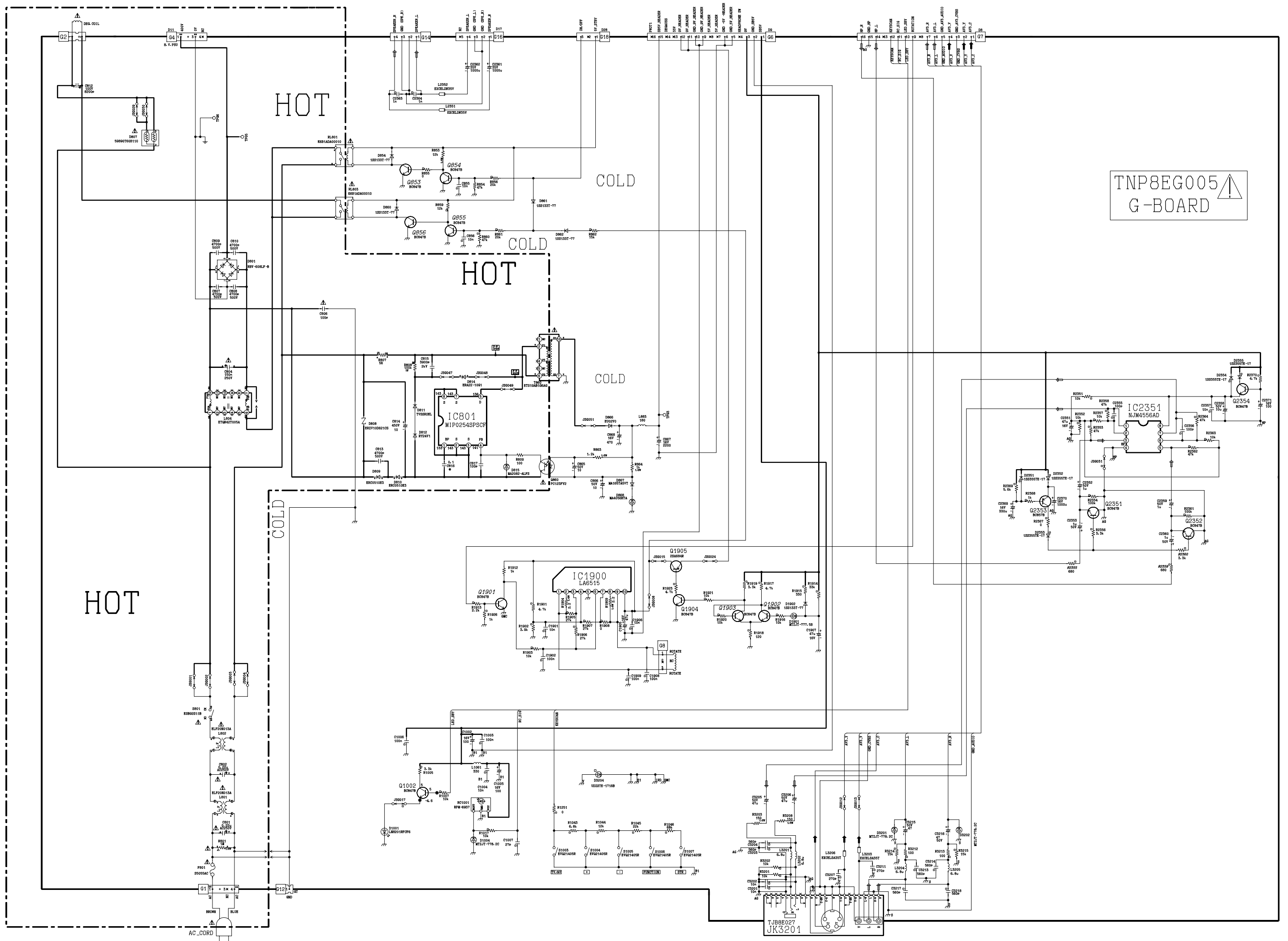




TNP8ED005
D-BOARD

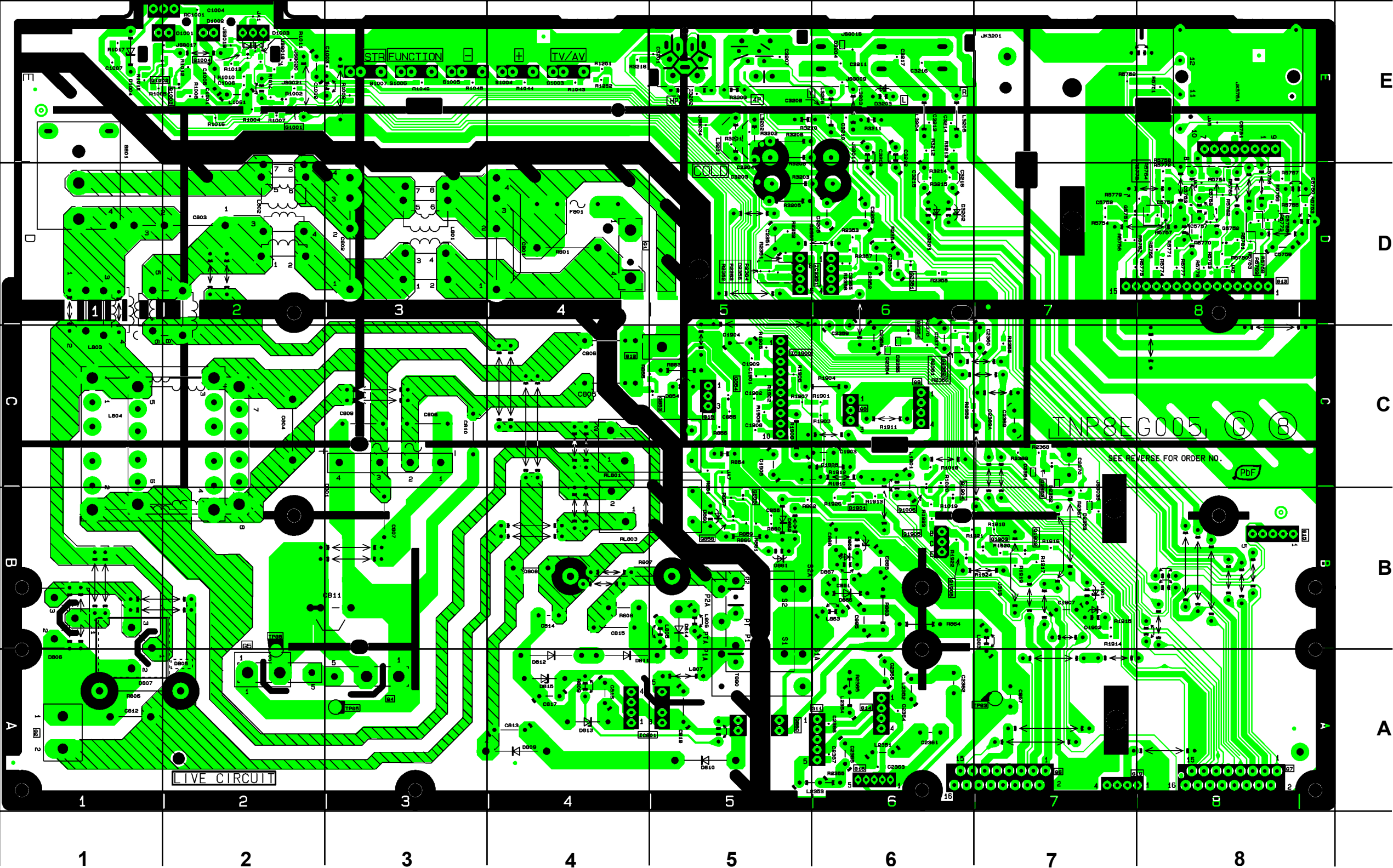






CONDUCTOR VIEWS FOR MODELS
TX-29PX20D, TX-29PX20F, TX-29PX20P

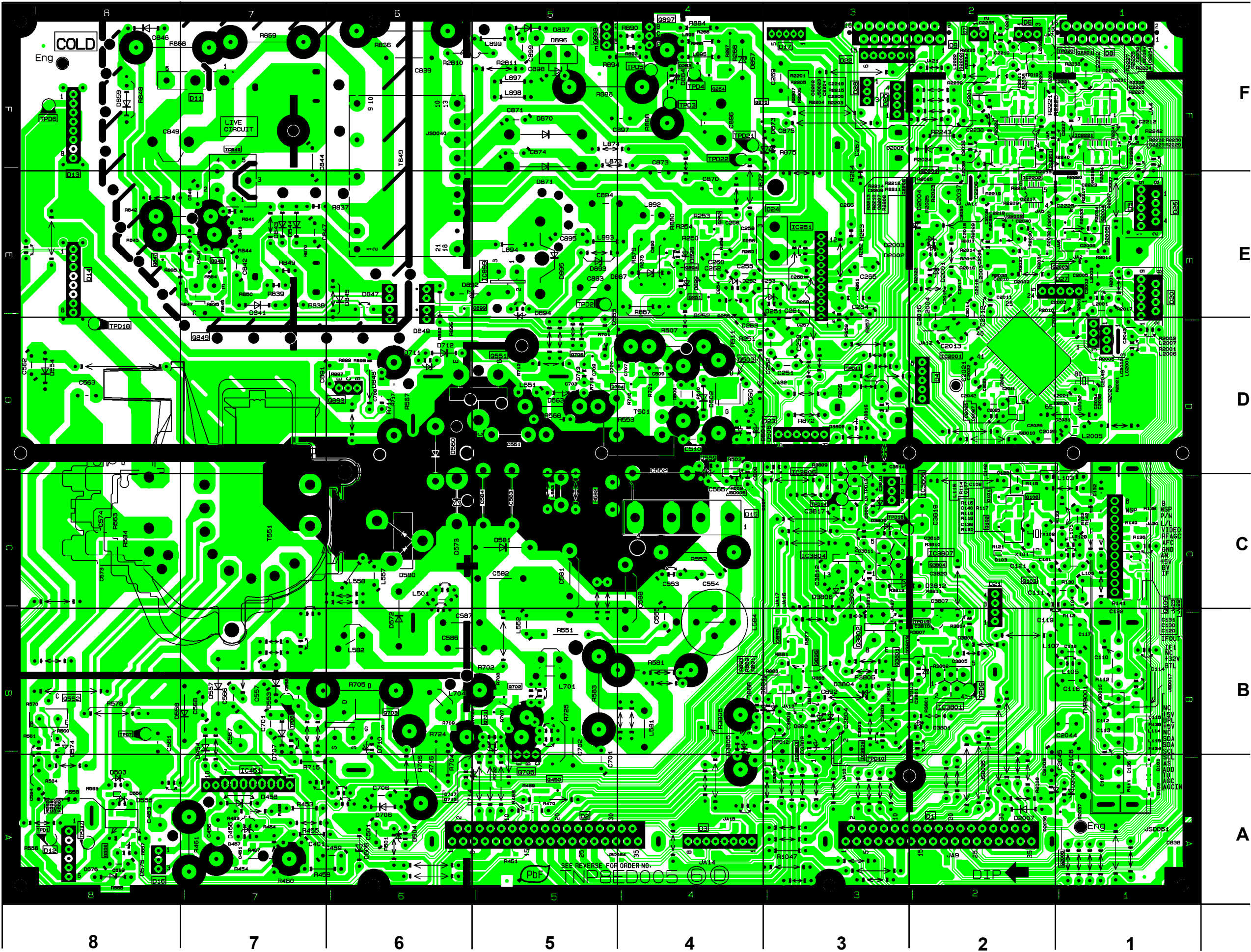
G - BOARD TNP8EG005



TRAN'S		D3201	D6
Q1002	E1	D3202	D6
Q1901	B6	D3204	E6
Q1902	B7	D801	C3
Q1903	B7	D807	A1
Q1904	B7	D808	B4
Q1905	B6	D809	A4
Q2351	D6	D811	A4
Q2352	C6	D812	A4
Q2353	C7	D815	A4
Q2354	C6	D854	C5
Q853	C5	D860	B5
Q854	C5	D861	B5
Q855	B5	D862	B5
Q856	B5	D866	B6
Q860	A5	D867	B6
		D868	B6
DIODE		IC'S	
D1001	E2	IC1900	C5
D1004	E1	IC2351	D6
D1901	B7	IC801	A4
D1902	B7		
D2351	C7		
		TP'S	
D2352	B7	TPG3	A7
D2353	B7	TPG5	A3
D2354	C6		
D2355	C6		

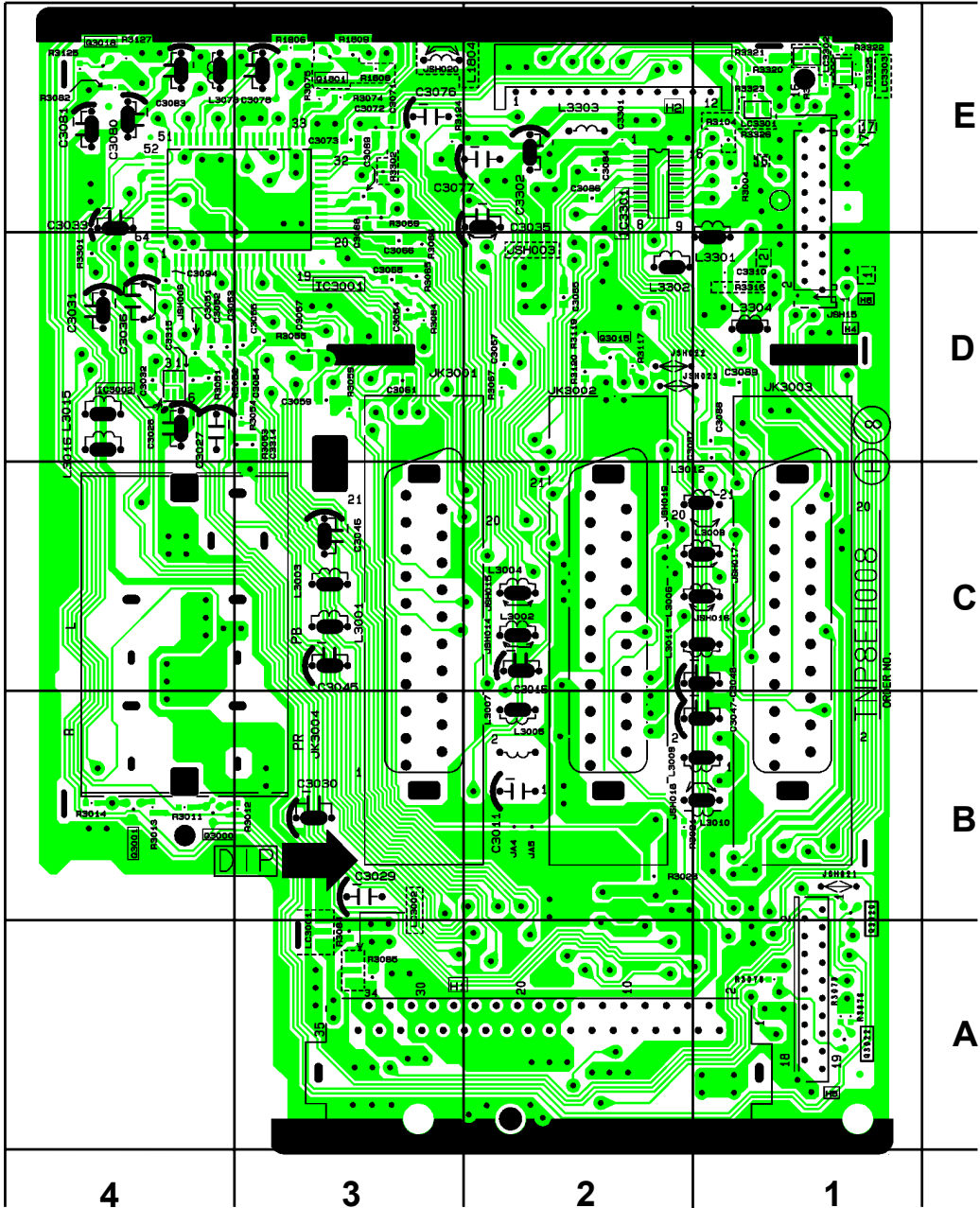
D - BOARD TNP8ED005

TRAN'S			D706	A6
Q101	C2	D707	B7	
Q102	C2	D710	B6	
Q103	C2	D711	D6	
Q106	C2	D712	D6	
Q109	C1	D713	D5	
Q2001	F2	D714	A6	
Q2002	E2	D841	E7	
Q2003	E1	D843	E7	
Q2004	E1	D844	E7	
Q2005	E1	D847	E6	
Q2006	A1	D848	D6	
Q251	E4	D870	F5	
Q252	E4	D871	F5	
Q253	F4	D884	F4	
Q254	F4	D887	E4	
Q3802	B3	D888	B4	
Q503	D4	D889	B3	
Q551	D5	D890	B3	
			D891	B3
DIODE			D892	E6
D101	A1	D893	E5	
D102	A1	D894	E5	
D103	C2	D895	E5	
D2001	E2	D896	F5	
D2002	E2	D897	F5	
D2003	E2	D899	E4	
D2004	E2			
D2005	F2	IC'S		
D2006	A1	IC2001	D2	
D2007	A2	IC251	E3	
D2008	A2	IC3801	B2	
D251	E4	IC3802	B3	
D252	E4	IC3803	B4	
D3801	B2	IC3804	C3	
D3802	B3	IC3805	C3	
D3803	B2	IC3806	C3	
D3804	B3	IC3807	C3	
D3805	B5	IC451	A7	
D3806	C3	IC849	E7	
D3807	C3	IC899	E5	
D3808	D3			
D3809	C3	TP'S		
D3812	C3	TPD1	A8	
D454	B7	TPD10	B3	
D456	A7	TPD11	D3	
D457	A7	TPD12	B3	
D458	B7	TPD13	C3	
D501	D4	TPD14	C3	
D502	D4	TPD15	B2	
D503	A8	TPD16	C3	
D504	A6	TPD17	A8	
D505	A6	TPD18	D8	
D553	B7	TPD19	F2	
D554	D8	TPD2	E5	
D555	A8	TPD20	F2	
D556	A8	TPD21	F4	
D557	B7	TPD22	F4	
D558	B7	TPD3	F4	
D559	D4	TPD4	F4	
D560	D6	TPD5	F4	
D563	D5	TPD6	F8	
D565	D5	TPD7	B8	
D575	A8	TPD8	B7	
D576	A8	TPD9	B2	
D580	C6			



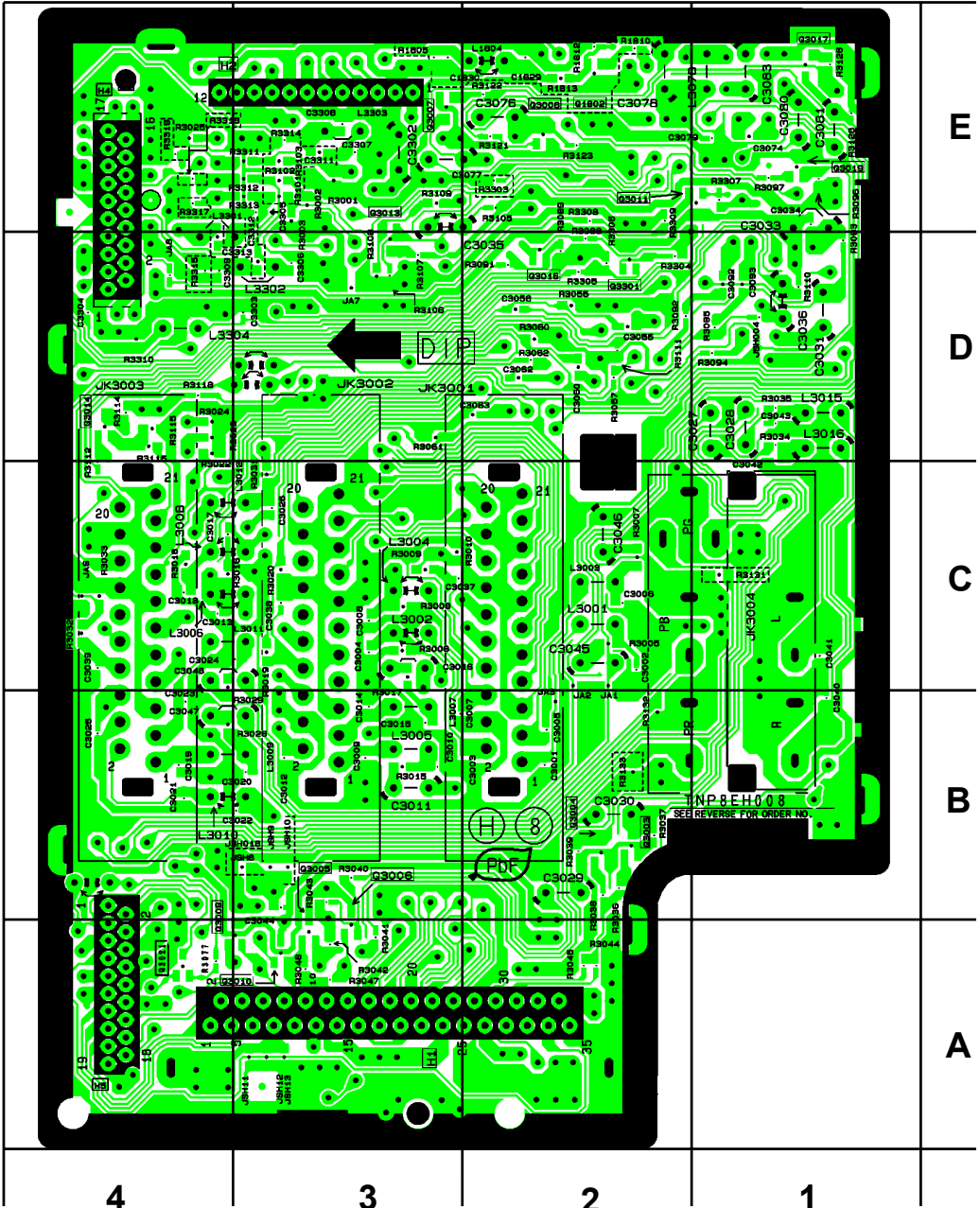
H - BOARD TNP8EH008 - TOP

TRAN'S	Q3018	E4
Q1801	E3	
Q3000	B4	IC'S
Q3001	B4	IC3001 E3
Q3015	D2	IC3301 E2



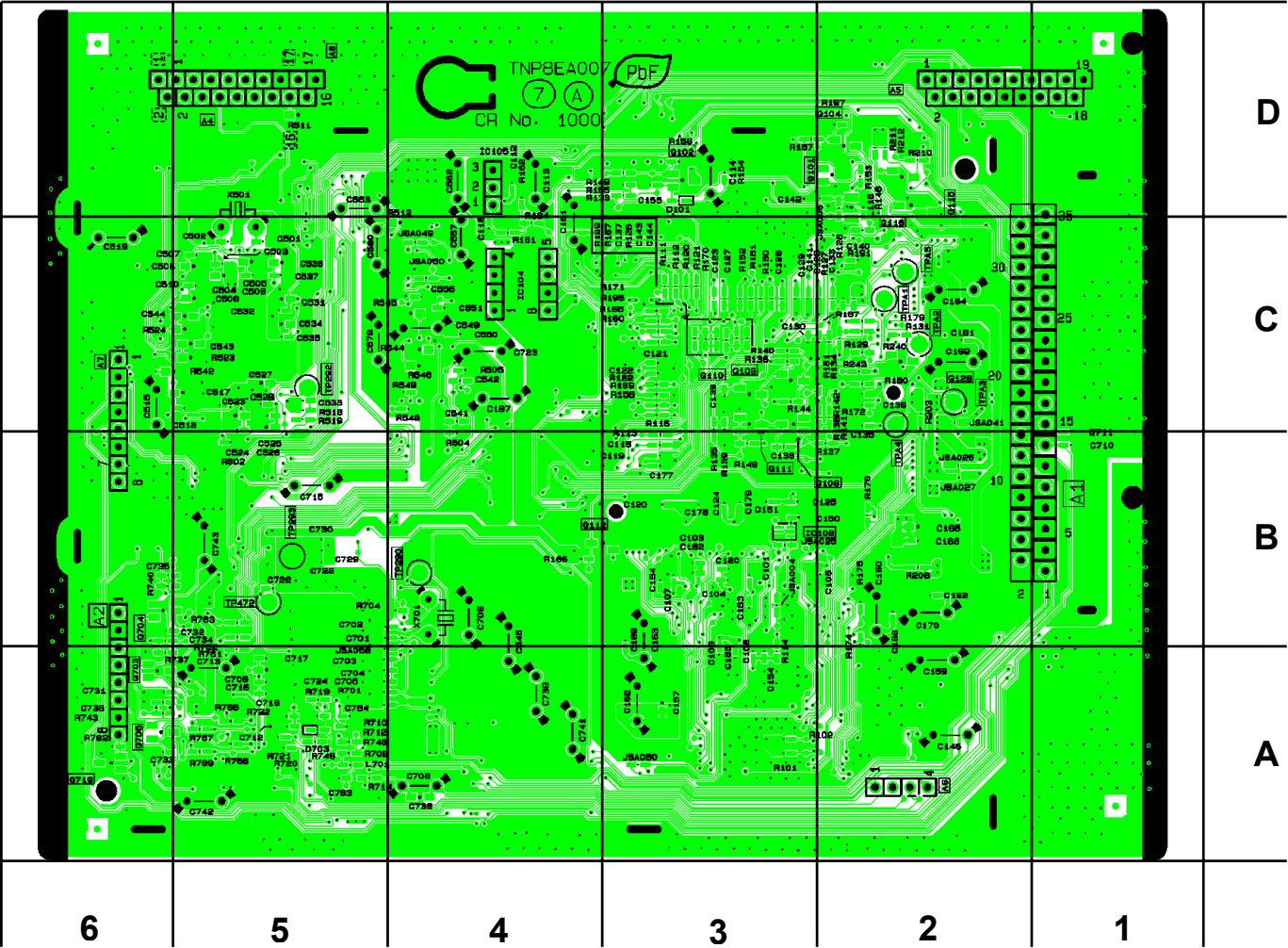
H - BOARD TNP8EH008 - BOTTOM

TRAN'S		Q3007	E3	Q3014	D4
Q1802	E2	Q3008	E2	Q3016	D2
Q3003	B2	Q3009	B4	Q3017	E1
Q3004	B4	Q3010	A3	Q3301	D2
Q3005	B3	Q3011	E2		
Q3006	B3	Q3013	E3		



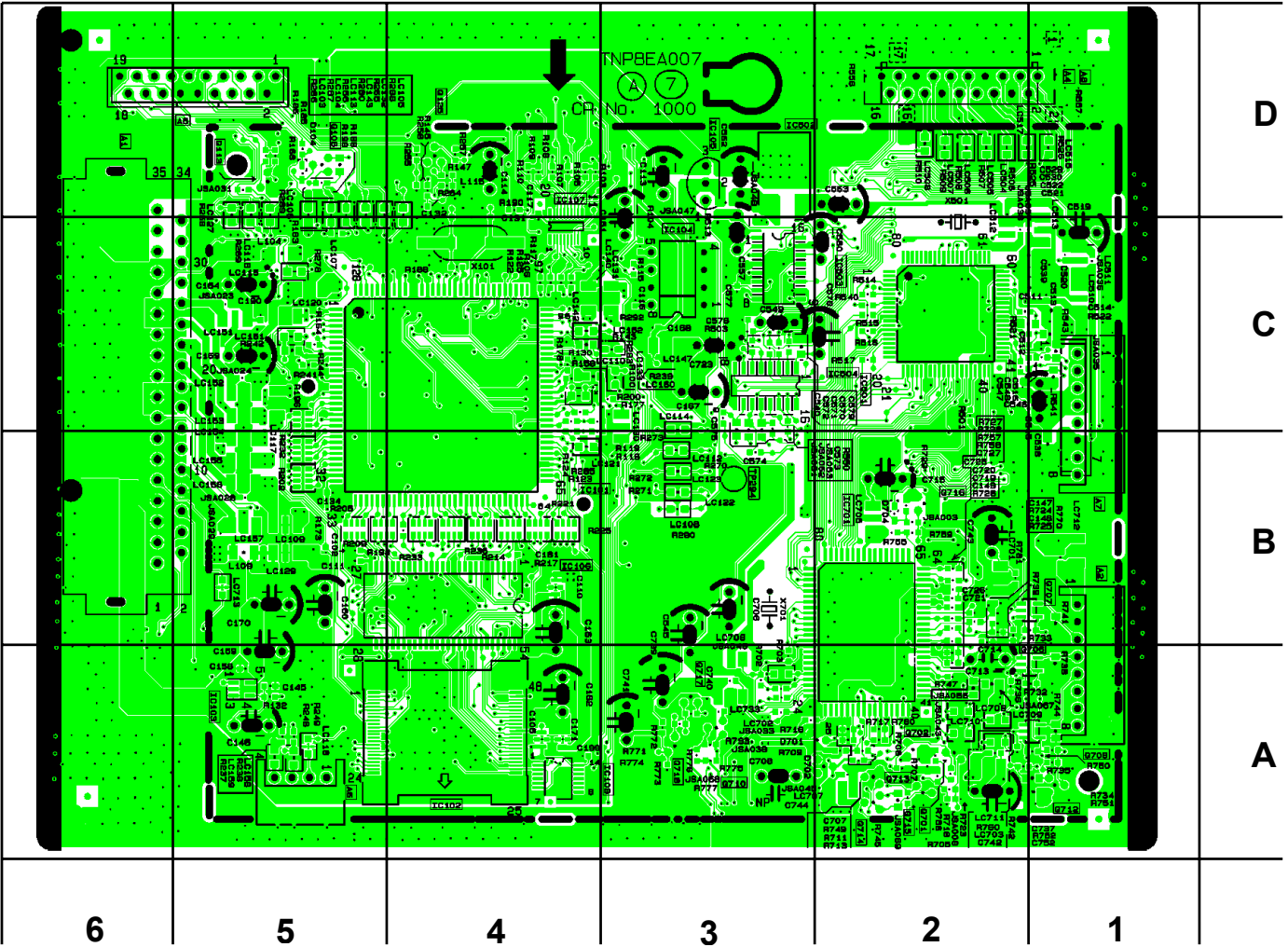
A - BOARD TNP8EA007 - BOTTOM

TRAN'S		Q1115	D2
Q1101	D3	Q1116	C2
Q1102	D3	Q1703	A6
Q1104	D2	Q1704	B6
Q1108	B2	Q1705	A6
Q1109	C3	Q1719	A6
Q1110	C3		
Q1111	B3	IC'S	
Q1112	B4	IC1108	B3



A - BOARD TNP8EA007 - TOP

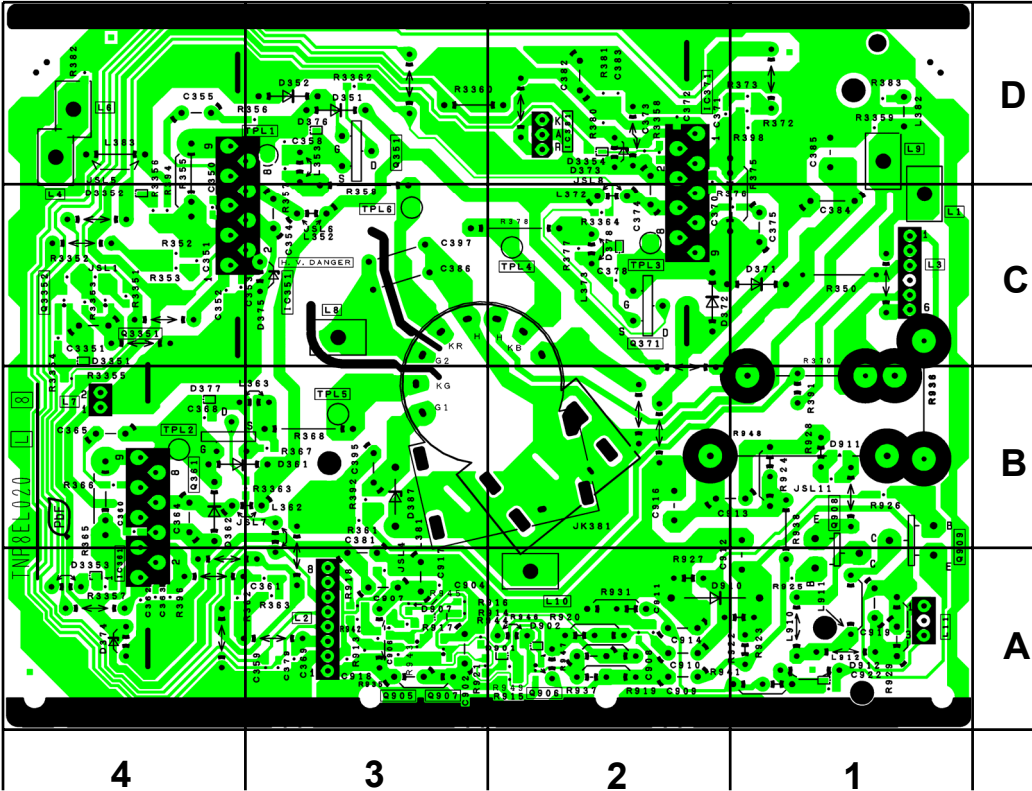
TRAN'S		Q1708	A1	DIODE		IC1102	A4	IC1503	C3
Q1106	D5	Q1710	A3	D1101	D3	IC1103	A5	IC1701	B2
Q1113	D5	Q1712	A1	D1104	D5	IC1104	C3	TP'S	
Q1125	D4	Q1713	A2	D1701	A3	IC1105	D3	TPA1	C2
Q1701	A2	Q1714	A2	D1702	A3	IC1106	B4	TPA2	C2
Q1702	A2	Q1715	A2	D1703	A5	IC1107	C4	TPA3	C2
Q1706	A1	Q1717	A3	IC'S		IC1501	C2	TPA4	C2
Q1707	B1	Q1718	A3	IC1101	C4	IC1502	D3	TPA5	C2



NOTES

L - BOARD TNP8EL020

TRAN'S		DIODE		D371	C1	IC361	B4
Q3352	C4	D3351	C4	D372	C2	IC371	D2
Q351	D3	D3352	C4	D376	D3	TP'S	
Q361	B4	D3353	A4	D377	B4	TPL1	D3
Q371	C2	D3354	D2	D378	C2	TPL2	B4
Q906	A2	D351	D3	D387	B3	TPL3	C2
Q907	A3	D352	D3	D910	A2	TPL4	C2
Q908	B1	D361	B3	IC'S		TPL5	B3
Q909	A1	D362	B4	IC351	D2	TPL6	C3



NOTES

This image shows a single page of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There is no handwriting or other markings on the paper.