

Service Manual



Colour Television TX-25PX10D TX-25PX10F TX-25PX10P GP2 Chassis

SPECIFICATIONS

Power Source:	220-240V a.c., 50Hz			
Power Consumption:	99W	AV2 IN	Video (21 pin)	1V p-p 75Ω
Stand-by Power Consumption:	0.9W		Audio (21 pin)	500mV rms 10kΩ
Aerial Impedance:	75Ω unbalanced, Coaxial Type		S-Video IN (21-pin)	Y: 1V p-p 75Ω C: 0.3V p-p 75Ω
Receiving System:	PAL I, B/G, D/K, PAL-525/60 SECAM L/L', B/G, D/K M.NTSC NTSC (AV only)	AV2 OUT	Video (21 pin)	1V p-p 75Ω
Receiving Channels:			Audio (21 pin)	500mV rms 1kΩ
VHF E2-E12	VHF H1-H2 (ITALY)		Selectable output (21 pin)	(21 pin)
VHF A-H (ITALY)	VHF R1-R2	High Voltage:	Audio (RCAx2)	500mV rms 1kΩ
VHF R3-R5	VHF R6-R12			
UHF E21-E68	CATV (S01-S05)	Picture Tube:		
CATV S1-S10(M1-M10)	CATV S11-S20(U1-U10)			
CATV S21-S41(HYPERBAND)		Audio Output:	Front Left/Right	2 x 20W
Intermediate Frequency:		(Music Power)	8Ω Impedance	
Video/Audio		Headphones:		
Video	38.9MHz, 34MHz		8Ω Impedance	
Audio	32.9MHz, 33.16MHz, 33.4MHz 40.4MHz, 32.4MHz (A2 STEREO) 33.05MHz, 34.05MHz (NICAM) 32.6MHz, 32.4MHz (CZ STEREO) 32.95MHz (NICAM)	Accessories supplied :	Remote Control	
Colour			2 x R6 (UM3) Batteries	
	34.47MHz (PAL) 34.5MHz, 34.65MHz (SECAM)	Dimensions:		
Terminals:		Height:	537mm	
AV1 IN		Width:	657mm	
	Video (21 pin) 1V p-p 75Ω	Depth:	474mm	
	Audio (21 pin) 500mV rms 10kΩ	Net weight:	34.5kg	
	RGB (21 pin)			
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.

ADJUSTMENT PROCEDURE

Item / Preparation	Adjustment/Confirmation
+B SET-UP 4. Receive a Window pattern. 5. Set the controls :- Brightness Minimum Contrast Minimum Volume Minimum	Confirm the following voltages. A - Board A1 Pin14 3.3 ± 0.2V A1 Pin17 5 ± 0.2V A1 Pin20 5 ± 0.2V A1 Pin22 3.3 ± 0.2V A1 Pin24 9 ± 0.2V A1 Pin25 5 ± 0.2V A1 Pin26 2.5 ± 0.2V D - Board D2 Pin14 3.3 ± 0.1V D2 Pin22 3.3 ± 0.1V D2 Pin26 2.5 ± 0.1V D9 Pin1 5 ± 1V D9 Pin3 9 ± 1V D9 Pin5 7 ± 1V D9 Pin7 7 ± 1V D9 Pin11 6.5 ± 0.5V D11 Pin1 300 ± 20V TPD1 205 ± 10V TPD2 137 ± 2V TPD3 42 ± 2V TPD5 42 ± 2V TPD6 12.5 ± 1V TPD7 -12.5 ± 1V TPD8 33 ± 1V TPD11 5 ± 0.5V G - Board TPG5 300 ± 10V
CUT OFF 1. Receive a Window pattern. 2. Degauss the tube externally. 3. Set the TV into Service Mode 1. 4. Select Sub brightness mode.	To adjust Cutoff connect an oscilloscope to the Blue cathode. Adjust " Cutoff " value using the " Yellow " and " Blue " buttons until the black level is 160V ± 5V, press " STR " to store the value. Remove the oscilloscope. Select Highlight/Lowlight mode press " 5 " to collapse the screen and adjust the screen " VR " until the display is just visible, press " 5 " to return to service mode. Using the " Yellow " and " Blue " buttons adjust until optimum picture white balance is achieved, press " STR " to store the value. Select Sub Brightness mode and adjust until optimum picture brightness is achieved.

SELF CHECK

Self-Check is used to automatically check the bus lines and hexadecimal code of the TV set.

To get into Self-Check mode press the down (-/v) button on the customer controls at the front of the TV set, at the same time pressing the **STATUS** button on the remote control, and the screen will show: -

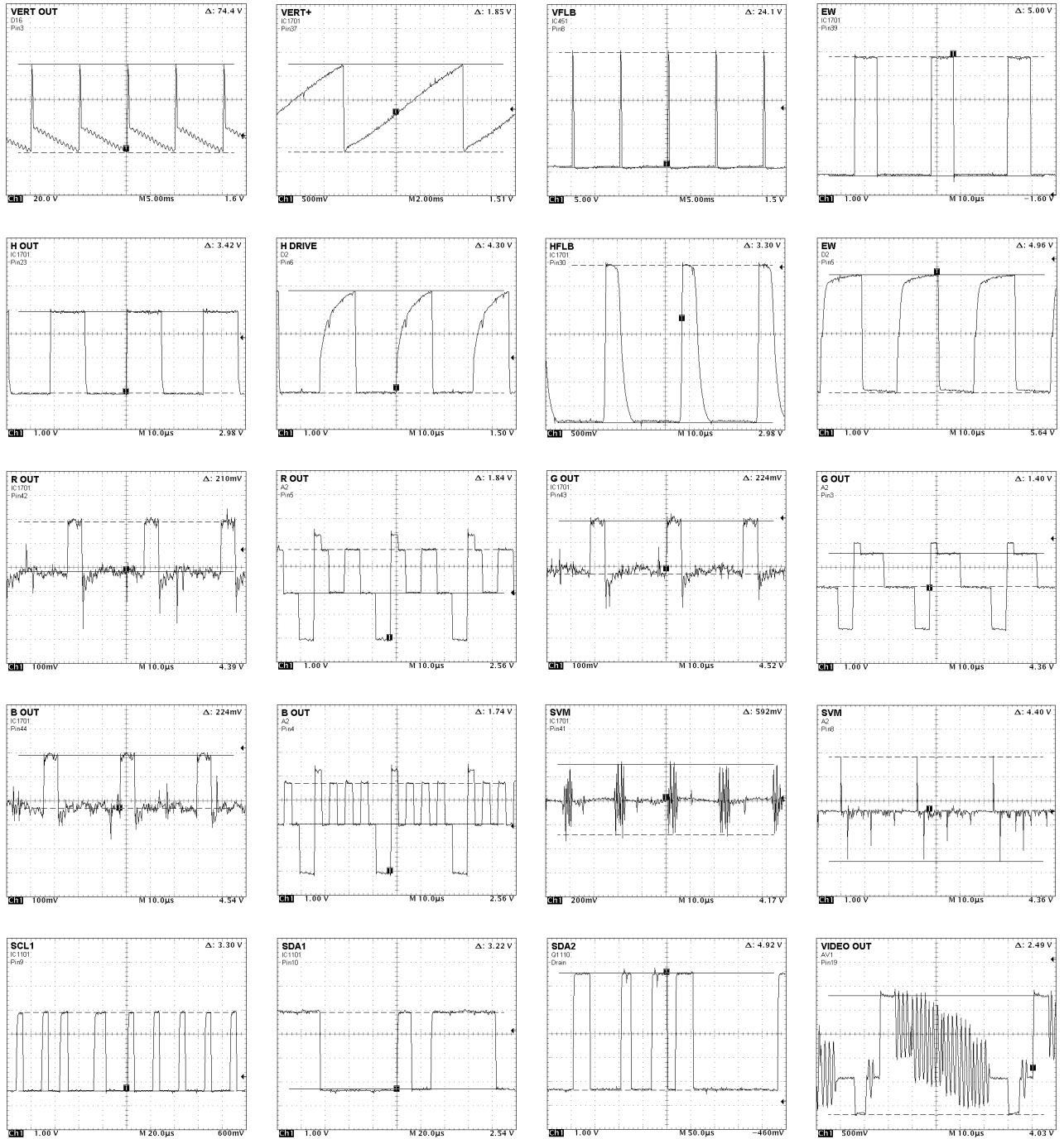
E2	:	O.K.			Sum :	****
DDP	:	O.K.	TX-25PX10D	TX-25PX10F	TX-25PX10P	
VPCD	:	O.K.	OPTION 1: 0F	0F	0F	
VSP	:	O.K.	OPTION 2: 00	00	00	
AVSW	:	O.K.	OPTION 3: A0	A0	A0	
TUN	:	O.K.	OPTION 4: 11	11	11	
MSP	:	O.K.	OPTION 5: 00	00	00	
DPL	:	- -	OPTION 6: 05	05	05	
MAS	:	- -	OPTION 7: 7F	7F	7F	
			OPTION 8: D4	54	50	
			OPTION 9: 00	00	00	
			OPTION 10: 80	80	80	
			OPTION 11: 1B	1B	1B	
			OPTION 12: 00	00	00	
			OPTION 13: 0C	0C	0C	
			Check :	**	**	**

Factory use only

To exit Self-Check, switch off the TV set at the power button.

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

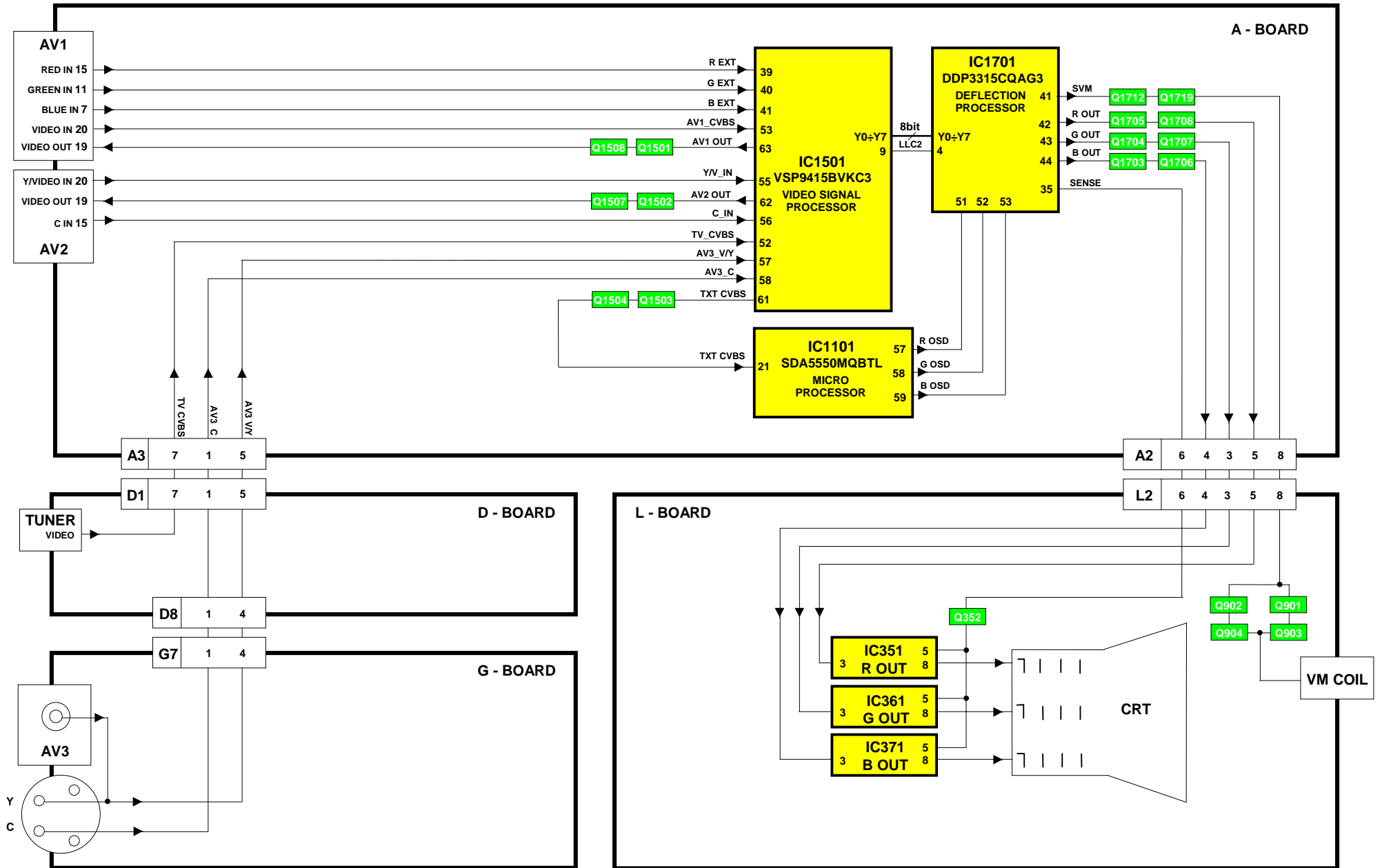
ALIGNMENT SETTINGS

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

1. To enter service mode press the standby button  on your service remote (VCR/DVD section) whilst pressing either 2, 5 or 8. Button 2 will enter service mode 1, 5 will be service mode 2 and button 8 will be self-check
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.

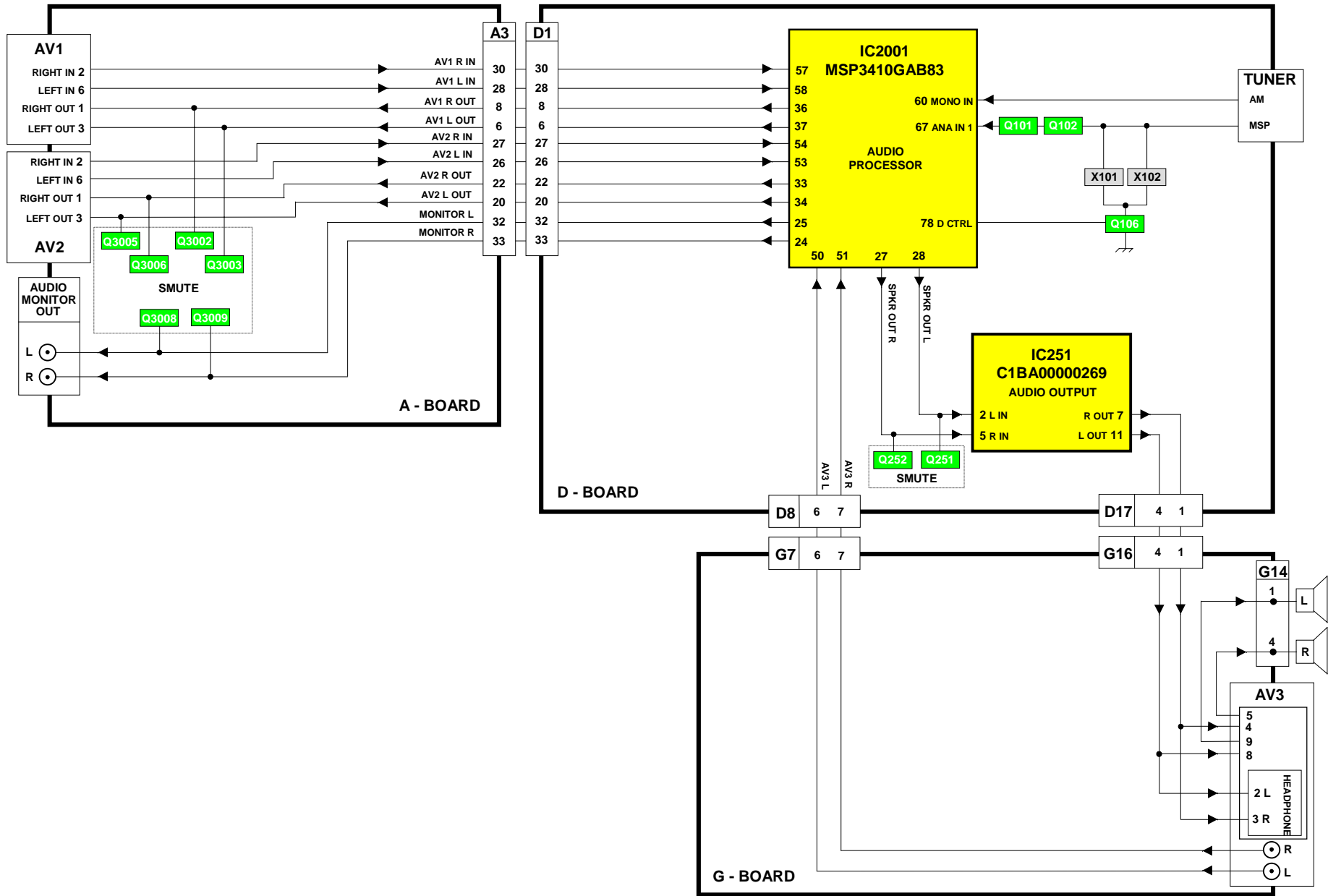
Alignment Function		Settings / Special features
Horizontal Position	H – Pos 38	Optimum setting.
Vertical Position	V – Pos -5	Optimum setting.
Horizontal Amplitude	H – Amp -2	Optimum setting.
Vertical Amplitude	V – Amp -45	Optimum setting.
	- DVCO -63	Optimum setting.
	ANGLE 6	Optimum setting.
Bow	BOW -6	Optimum setting.
Vertical Linearity	V – Linear -13	Optimum setting.
Top Corner	Upper – Corner 10	Optimum setting.
Bottom Corner	Lower – Corner 8	Optimum setting.
Trapezoid	Trapez 1 -2	Optimum setting.
Vertical Symmetry	V - Sym 38	Optimum setting.
East/West Amplitude	EW – Amp 1 -48	Optimum setting.
Highlight Lowlight	High 0381 0314 0347 Low 0166 0207 0170	Optimum setting.
Sub-Brightness	Sub-Brightness -52	Optimum setting.

VIDEO BLOCK DIAGRAM

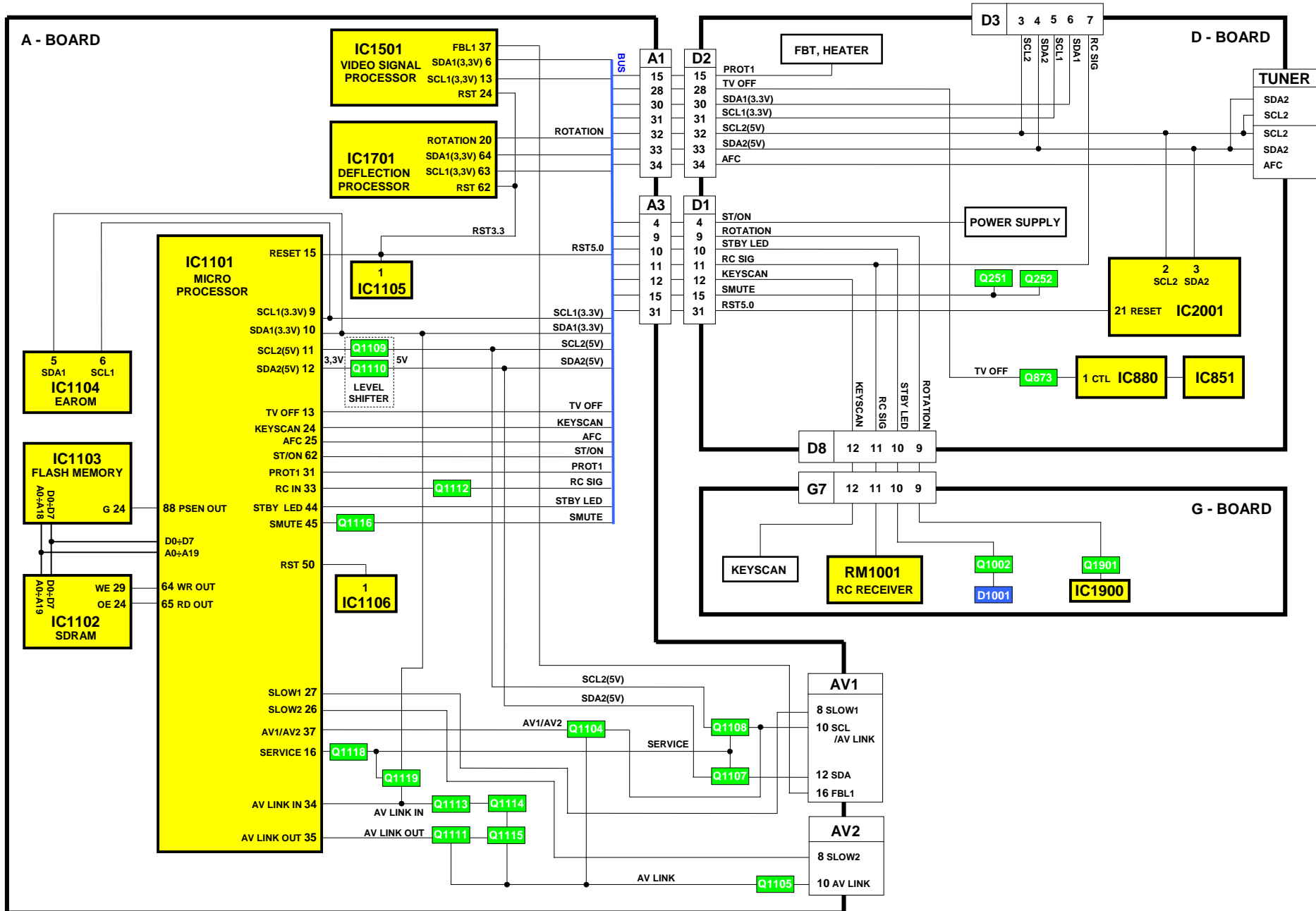


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AUDIO BLOCK DIAGRAM

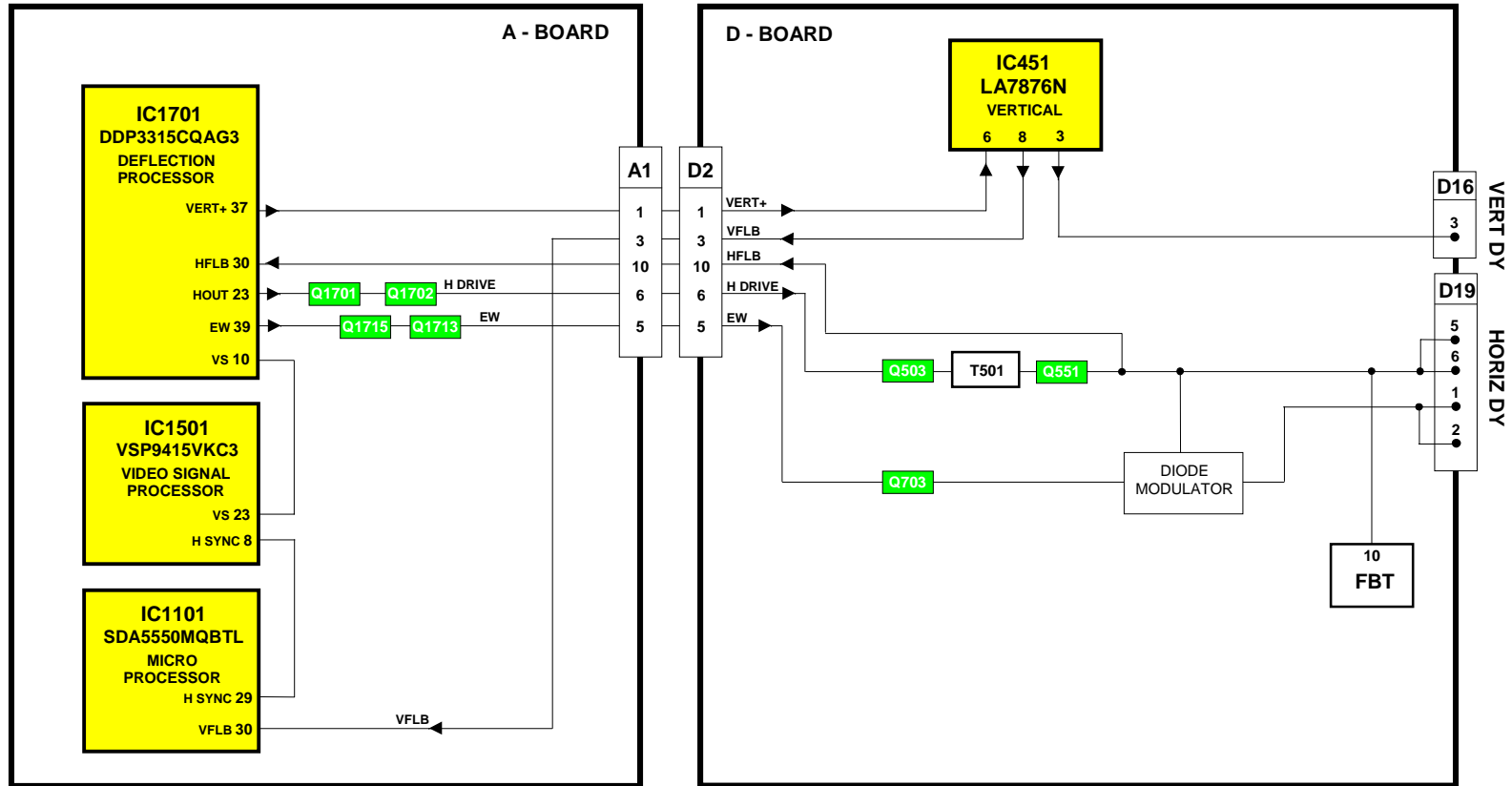


CONTROL BLOCK DIAGRAM

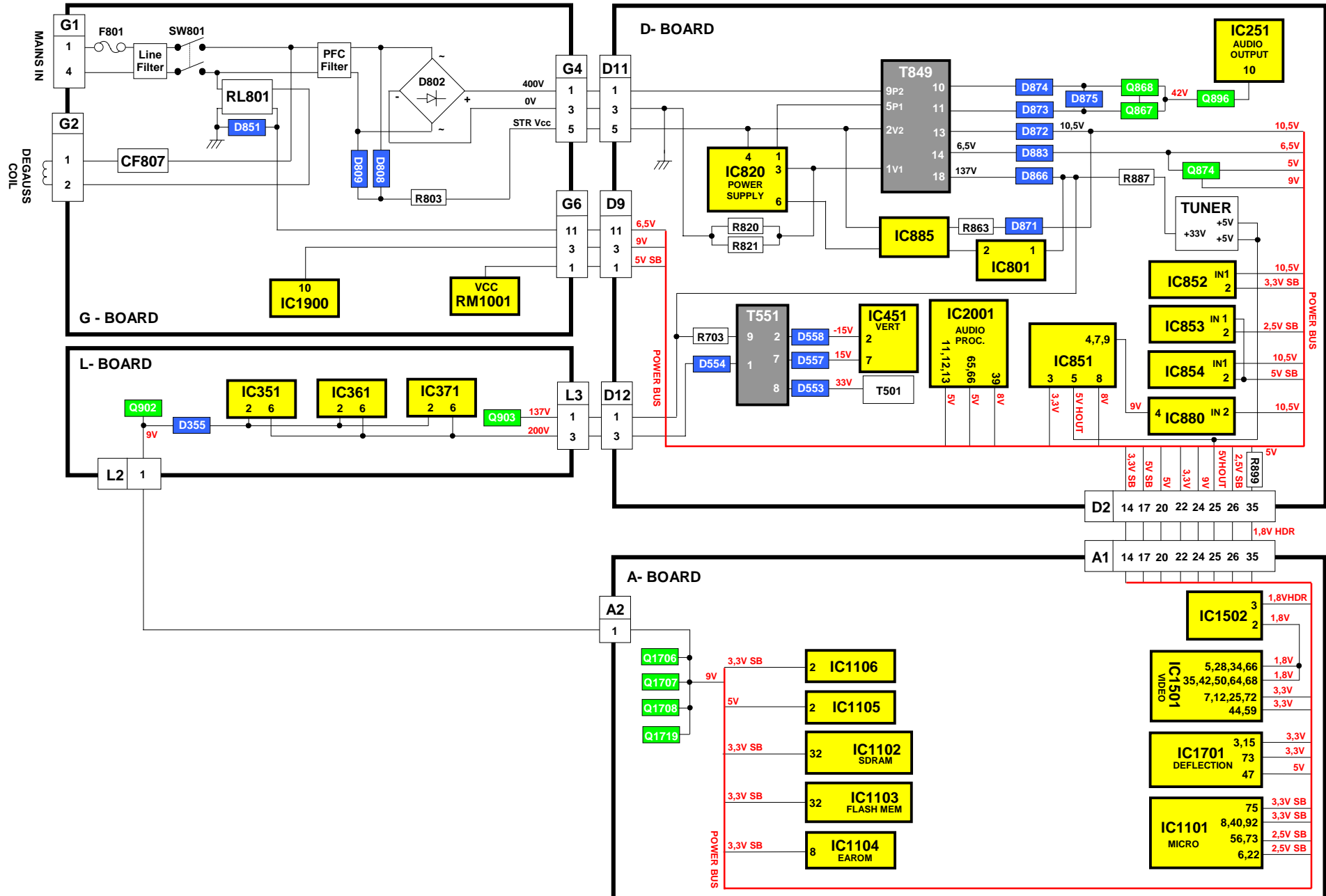


DEFLECTION BLOCK DIAGRAM

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POWER SUPPLY BLOCK DIAGRAM





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	A59QDF891X03	C.R.T.	
2	EASG16S503F2	SPEAKER	
3	ENG29525G	TUNER	
4	EUR7628010	REMOTE CONTROL	
5	TBM0E0101	PANASONIC BADGE	
6	TBX8E104	POWER BUTTON	
7	TKP8E1554	DOOR LID	
8	TKU8E00801	BACKCOVER	
9	TKY8E680	CABINET	
10	TLK8E05161	DEGAUSS COIL	
11	TMX8E069	CHASSIS FRAME	
12	TNP8ED020AC	D P.C.B.	
13	TNP8EG021AA	G P.C.B.	
14	TNP8EL021AG	L P.C.B.	
15	TXASX01ECVG	AC POWER CORD ASSEMBLY	
16	TXJ/FC0DEG	FOCUS LEAD ASSEMBLY	
17	UR76EC2803	BATTERY COVER (REMOTE)	
18	ZTBZAD450A	ANODE LEAD	
19	ZTFN65007A	F.B.T.	
MISCELLANEOUS COMPONENTS			
.	TBL8E014	SET FOOT	
.	TBL8E016	SET FOOT	
.	TBM8E2321	PRESET LABEL	
.	TES2298	CRT EARTH SPRING	
.	TKE8E740	FRONT PANEL	
.	TKP8E1557	DOOR PANEL	
.	TKP8E1560	LED/IR WINDOW	
.	TMW8E050-2	LED HOLDER	
.	TPC8E5028	CARTON	
.	TPD8E815	TOP CUSHION	
.	TPD8E816	BOTTOM CUSHION	
.	UM-3DJ-2P	BATTERY PACK	
I.C.s			
IC251	C1BA00000269	SOUND AMPLIFIER	
IC351	TDA6101Q/N3	R.G.B. PROCESSOR	
IC361	TDA6101Q/N3	R.G.B. PROCESSOR	
IC371	TDA6101Q/N3	R.G.B. PROCESSOR	
IC451	LA7876N	VERTICAL OUTPUT	
IC801	SE130N	ERROR AMPLIFIER	
IC820	STRW6754LF06	SWITCH MODE POWER SUPPLY	
IC851	C0DAFKE00001	IC	
IC852	TA48M033F	3.3V REGULATOR	
IC853	TA48025F	5V STANDBY REGULATOR	
IC854	TA4805SLBS1	5V REGULATOR	

Cct Ref	Parts Number	Description	
IC880	BA09ST-V5	9 VOLT REGULATOR	
IC1101	SDA5550MQBTL	MICROPROCESSOR/TEXT DECODER	
IC1102	K6X4008T1FV7	TELETEXT SDRAM	
IC1103	15E0/010/0E	8 MEG FLASH	
IC1105	MN1381-R(TA)	RESET	
IC1106	MN1381-R(TA)	RESET	
IC1501	VSP9415BVKC3	VIDEO PROCESSOR/SCAN RATE	
IC1502	LD1117S18TR	1.8V REGULATOR	
IC1701	DDP3315CQAG3	DISPLAY/DEFLECTION PROCESSOR	
IC2001	MSP3410GAB83	SOUND PROCESSOR	
RM1001	RPM6937	LED RECEIVER	
FUSES			
F801-L	EYF52BC	FUSE HOLDER	
F801-R	EYF52BC	FUSE HOLDER	
F801	XBA2C50TH15	FUSE	
F871	K5Y632Z00001	FUSE	
DIODES			
D101	MA3020TX	DIODE	
D102	MA3020TX	DIODE	
D251	MA2C700A0F	DIODE	
D252	MA2C700A0F	DIODE	
D351	B0ACCK000005	DIODE	
D352	ERA15-04V3	DIODE	
D353	ERA15-04V3	DIODE	
D354	B0ACCK000005	DIODE	
D355	MA723TA5	DIODE	
D361	B0ACCK000005	DIODE	
D362	ERA15-04V3	DIODE	
D363	ERA15-04V3	DIODE	
D371	B0ACCK000005	DIODE	
D372	ERA15-04V3	DIODE	
D373	ERA15-04V3	DIODE	
D454	EU02	DIODE	
D456	MTZJT-775.6C	DIODE	
D457	1SS133T-77	DIODE	
D458	EU02	DIODE	
D501	1SS133T-77	DIODE	
D502	EU02	DIODE	
D503	1SS133T-77	DIODE	
D504	1SS133T-77	DIODE	
D505	MTZJT-7710D	DIODE	
D553	EU02	DIODE	
D554	EU02	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	EU02	DIODE	
D565	EU02	DIODE	
D566	EU02	DIODE	

Cct Ref	Parts Number	Description
D575	MTZJT-775.1C	DIODE
D576	EU02	DIODE
D580	FMV-3GULF730	DIODE
D706	EU02	DIODE
D707	EU02	DIODE
D710	MTZJT-7716C	DIODE
D711	MAZ40560HF	DIODE
D712	1SS133T-77	DIODE
D713	MAZ41300MF	DIODE
D714	MTZJT-775.6A	DIODE
D717	MA4020	DIODE
D802	RBV4-08	DIODE
D803	BZX79B75A26A	SMT DIODE
D804	BZX79B75A26A	SMT DIODE
D808	AU02AV0	DIODE
D809	AU02AV0	DIODE
D820	MTZJT-776.8B	ZENER DIODE
D822	SARS01V1	DIODE
D823	1SR124-4AT82	DIODE
D824	1SR124-4AT82	DIODE
D825	1SS133T-77	DIODE
D851	1SS133T-77	DIODE
D865	RU2BLFC4	DIODE
D866	RU4BLF-L1	DIODE
D867	1SR124-4AT82	DIODE
D868	B0BA3R100004	ZENER DIODE
D869	MTZJT-775.1B	DIODE
D870	1SS133T-77	DIODE
D871	1SR124-4AT82	DIODE
D872	RK46LF-M1	DIODE
D873	FMGG26S	DIODE
D874	1SR124-4AT82	DIODE
D875	MTZJT-7727A	ZENER DIODE
D877	1SS133T-77	DIODE
D878	1SS133T-77	DIODE
D880	1SS133T-77	DIODE
D881	MTZJT-7736A	DIODE
D883	RK46LF-M1	DIODE
D887	1SR124-4AT82	DIODE
D888	1SS133T-77	DIODE
D889	1SR124-4AT82	DIODE
D890	1SS133T-77	DIODE
D891	1SS133T-77	DIODE
D892	1SS133T-77	DIODE
D893	BZX79B75A26A	SMT DIODE
D894	MTZJT-7722C	DIODE
D895	MTZJT-775.1B	DIODE
D896	1SS133T-77	DIODE
D898	MTZJT-772.0B	ZENER DIODE
D1001	LNH201RFCF6	LED
D1004	MTZJT-778.2C	DIODE
D1102	1SS355TE-17	DIODE
D1104	1SS355TE-17	DIODE
D1105	B0ACCK000005	DIODE
D1701	DAN217T146	DIODE
D1702	DAN217T146	DIODE
D1703	B0ACCK000005	DIODE
D1705	1SR124-4AT82	DIODE
D2005	1SS133T-77	DIODE
D2006	1SS133T-77	DIODE
D2007	1SS133T-77	DIODE
D2008	1SS133T-77	DIODE
D2009	1SS133T-77	DIODE
D2010	B0BA4R800003	ZENER DIODE
D3201	MTZJT-778.2C	DIODE
D3202	MTZJT-778.2C	DIODE

Cct Ref	Parts Number	Description
D3203	MTZJT-778.2C	DIODE
D3204	UDZSTE-1716B	S.M.T. ZENER DIODE
IC885	PC123FY2	DIODE
TRANSISTORS		
Q101	BC847B	TRANSISTOR
Q102	BC847B	TRANSISTOR
Q106	BC847B	TRANSISTOR
Q251	BC847B	TRANSISTOR
Q252	BC847B	TRANSISTOR
Q351	BC857B	TRANSISTOR
Q352	BC857B	TRANSISTOR
Q503	2SD1223TE16L	TRANSISTOR
Q551	2SC5905000RK	TRANSISTOR
Q552	2SC1473AEA	TRANSISTOR
Q556	BC847B	TRANSISTOR
Q701	BC847B	TRANSISTOR
Q702	BC847B	TRANSISTOR
Q703	2SK2231TE16L	F.E.T. TRANSISTOR
Q704	BC847B	TRANSISTOR
Q705	BC547B/126	TRANSISTOR
Q706	BC847B	TRANSISTOR
Q707	2SA10180QA	TRANSISTOR
Q850	BC847B	TRANSISTOR
Q852	BC847B	TRANSISTOR
Q865	2SA1668LF603	TRANSISTOR
Q866	MPSA42/RA	TRANSISTOR
Q867	2SA1534A-RTA	TRANSISTOR
Q868	BC557B/126	TRANSISTOR
Q870	BC847B	TRANSISTOR
Q871	BC857B	TRANSISTOR
Q873	BC847B	TRANSISTOR
Q874	2SD2396/KM1R	TRANSISTOR
Q896	2SK2231TE16L	F.E.T. TRANSISTOR
Q898	BC847B	TRANSISTOR
Q901	BC857B	TRANSISTOR
Q902	BC847B	TRANSISTOR
Q903	2SA1535AR0LB	TRANSISTOR
Q904	2SC3944AR0LB	TRANSISTOR
Q1002	BC847B	TRANSISTOR
Q1103	BC847B	TRANSISTOR
Q1104	BC847B	TRANSISTOR
Q1105	BC847B	TRANSISTOR
Q1106	BC847B	TRANSISTOR
Q1107	BC847B	TRANSISTOR
Q1108	BC847B	TRANSISTOR
Q1109	2N7002	MOSFET TRANSISTOR
Q1110	2N7002	MOSFET TRANSISTOR
Q1111	BC847B	TRANSISTOR
Q1112	BC847B	TRANSISTOR
Q1113	BC847B	TRANSISTOR
Q1114	BC847B	TRANSISTOR
Q1115	BC847B	TRANSISTOR
Q1116	BC857B	TRANSISTOR
Q1117	BC847B	TRANSISTOR
Q1118	BC847B	TRANSISTOR
Q1119	BC847B	TRANSISTOR
Q1501	BC847B	TRANSISTOR
Q1502	BC847B	TRANSISTOR
Q1503	BC847B	TRANSISTOR
Q1504	BC857B	TRANSISTOR
Q1507	BC857B	TRANSISTOR
Q1508	BC857B	TRANSISTOR
Q1701	BC847B	TRANSISTOR
Q1702	BC847B	TRANSISTOR
Q1703	BC847B	TRANSISTOR
Q1704	BC847B	TRANSISTOR

Cct Ref	Parts Number	Description
Q1705	BC847B	TRANSISTOR
Q1706	FMY4AT148	TRANSISTOR
Q1707	FMY4AT148	TRANSISTOR
Q1708	FMY4AT148	TRANSISTOR
Q1711	BC847B	TRANSISTOR
Q1712	BC847B	TRANSISTOR
Q1713	BC847B	TRANSISTOR
Q1715	BC847B	TRANSISTOR
Q1719	BC847B	TRANSISTOR
Q2006	BC857B	TRANSISTOR
Q3002	BC847B	TRANSISTOR
Q3003	BC847B	TRANSISTOR
Q3005	BC847B	TRANSISTOR
Q3006	BC847B	TRANSISTOR
Q3008	BC847B	TRANSISTOR
Q3009	BC847B	TRANSISTOR
TRANSFORMERS		
T501	ETH19Y212AZ	H-DRIVE TRANSFORMER △
T849	45T-2029	SWITCHING TRANSFORMER △
COILS		
DL1713	J0HAAB000012	COIL
J54	EXCELSA35T	COIL
L103	EXCELSA35T	COIL
L104	EXCELD35V	COIL
L107	TLTACT100K	COIL
L109	ELJFC4R7KF	S.M.T. COIL
L116	ELESN6R8KA	COIL
L582	ELC18B221L	COIL
L584	ELH5L7719	LINEARITY COIL
L701	ELC18B181F	COIL
L704	ELC18B182F	COIL
L804	ETQR42T005A	COIL
L865	EXCELSA35T	COIL
L866	EXCELSA35T	COIL
L867	ELEKE470KA	COIL
L870	EXCELSA35T	COIL
L871	EXCELSA35T	COIL
L872	EXCELSA35T	COIL
L873	EXCELSA35T	COIL
L874	EXCELSA35T	COIL
L1061	TLT331K991R	COIL
L1101	TALV35VB8R2K	COIL
L1103	ELESN4R7KA	COIL
L1104	ELESN4R7KA	COIL
L1501	ELESN4R7KA	COIL
L1502	ELESN4R7KA	COIL
L1503	ELJFC2R2KF	COIL
L1701	EXC3BB221H	COIL
L2001	TALV35VB100K	COIL
L2004	ELESN101KA	COIL
L2005	TALV35VB100K	COIL
L2006	ELJFC4R7KF	S.M.T. COIL
L2007	ELJFC4R7KF	S.M.T. COIL
L2351	EXCELD35V	COIL
L2352	EXCELD35V	COIL
L3201	ELESN6R8KA	COIL
L3202	ELESN6R8KA	COIL
L3204	ELESN6R8KA	COIL
L3205	ELESN6R8KA	COIL
L3206	EXCELSA35T	COIL
LF801	ELF21V012A	COIL
FILTERS		
DL1510	ELKE103FA	FILTER
DL1511	ELKE103FA	FILTER
DL1512	ELKE103FA	FILTER

Cct Ref	Parts Number	Description
DL1513	ELKE103FA	FILTER
DL1705	ELKE103FA	FILTER
DL1706	ELKE103FA	FILTER
X101	EFCT6504BF	FILTER
X102	EFCT7004BF	CERAMIC FILTER
CRYSTALS		
X1101	A1060006AD	CRYSTAL △
X1501	A1202504E	CRYSTAL
X1701	4730007823	CRYSTAL
X2001	4730007158	CRYSTAL
RESISTORS		
CF807	59890T60B110	DEG PTC 20% 9 Ω △
F870	K5Y252Z00002	FUSIBLE 2.5A Ω △
JA1	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0 Ω
JA1	ERJ8GEY0R00	S.M.CARB .125W 5% 0 Ω
JA2	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0 Ω
JA7	ERJ8GEY0R00	S.M.CARB .125W 5% 0 Ω
JA14	ERJ8GEY0R00	S.M.CARB .125W 5% 0 Ω
JA15	ERJ8GEY0R00	S.M.CARB .125W 5% 0 Ω
JA20	ERJ8GEY0R00	S.M.CARB .125W 5% 0 Ω
JA27	ERJ8GEY0R00	S.M.CARB .125W 5% 0 Ω
JA32	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0 Ω
R111	ERJ6GEYJ393	S.M.CARB 0.1W 5% 39K Ω
R112	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100 Ω
R113	ERJ6GEYJ223	S.M.CARB 0.1W 5% 22K Ω
R114	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470 Ω
R115	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1K Ω
R116	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100 Ω
R117	ERJ6GEYJ332	S.M.CARB 0.1W 5% 3K3 Ω
R118	ERJ6GEYJ681	S.M.CARB 0.1W 5% 680 Ω
R120	ERJ6GEYJ222	S.M.CARB 0.1W 5% 2K2 Ω
R121	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10K Ω
R122	ERJ6GEYJ331	S.M.CARB 0.1W 5% 330 Ω
R129	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100 Ω
R133	ERJ6GEYJ222	S.M.CARB 0.1W 5% 2K2 Ω
R134	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100 Ω
R135	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100 Ω
R137	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0 Ω
R139	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100 Ω
R140	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100 Ω
R142	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0 Ω
R143	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0 Ω
R147	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0 Ω
R148	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0 Ω
R250	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10K Ω
R251	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470 Ω
R252	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10K Ω
R253	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470 Ω
R254	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10K Ω
R255	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100K Ω
R256	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100K Ω
R257	ERJ6GEYJ150	S.M.CARB 0.1W 5% 15 Ω
R258	ERJ6GEYJ150	S.M.CARB 0.1W 5% 15 Ω
R259	ERJ6GEYJ121	S.M.CARB 0.1W 5% 120 Ω
R260	ERJ6GEYJ121	S.M.CARB 0.1W 5% 120 Ω
R261	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5 Ω
R262	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5 Ω
R263	ERD25TJ2R2	CARBON 0.25W 5% 2R2 Ω
R264	ERD25TJ2R2	CARBON 0.25W 5% 2R2 Ω
R269	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0 Ω
R350	ERQ12AJ151P	FUSIBLE 0.5W 5% 150 Ω △
R352	ERJ6GEYJ202	S.M.CARB 0.1W 5% 2K Ω
R353	ERJ6GEYJ821	S.M.CARB 0.1W 5% 820 Ω
R354	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1K Ω
R355	ERG1SJ823	METAL 1W 5% 820 Ω
R356	ERJ6GEYJ560	S.M.CARB 0.1W 5% 56 Ω

Cct Ref	Parts Number	Description				
R357	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω	
R358	ERDS1TJ821	CARBON	0.5W	5%	820 Ω	
R359	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390 Ω	
R360	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R362	ERJ6GEYJ202	S.M.CARB	0.1W	5%	2K Ω	
R363	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820 Ω	
R364	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R365	ERG1SJ823	METAL	1W	5%	820 Ω	
R366	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56 Ω	
R368	ERDS1TJ821	CARBON	0.5W	5%	820 Ω	
R370	ERQ1CJP1R2	FUSIBLE	1W	5%	1R2 Ω	
R372	ERJ6GEYJ202	S.M.CARB	0.1W	5%	2K Ω	
R373	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820 Ω	
R375	ERG1SJ823	METAL	1W	5%	820 Ω	
R376	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56 Ω	
R378	ERDS1TJ821	CARBON	0.5W	5%	820 Ω	
R380	ERJ6GEYJ392	S.M.CARB	0.1W	5%	3K9 Ω	
R381	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R451	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω	
R454	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33K Ω	
R455	ERDS2TJ223T	CARBON	2W	5%	22K Ω	
R458	ERDS1TJ270T	CARBON	1W	5%	27 Ω	
R460	ERG3SJS271H	METAL	3W	5%	270 Ω	△
R461	ERX2SJS1R0H	METAL	2W	5%	1R0 Ω	
R463	ERJ6GEYJ621	S.M. CAR	0.1W	5%	620 Ω	
R464	ERJ6GEYJ512	S.M.CARB	0.1W	5%	5K1 Ω	
R465	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820 Ω	
R467	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R501	ERJ6GEYJ392	S.M.CARB	0.1W	5%	3K9 Ω	
R503	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R507	ERG3FJ680H	METAL	3W	5%	68 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	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R556	ERJ6GEYJ124	S.M.CARB	0.1W	5%	120K Ω	
R557	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R558	ERDS1TJ124	CARBON	0.5W	5%	120K Ω	
R559	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R560	ERJ6GEYJ274	S.M.CARB	0.1W	5%	270K Ω	
R561	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω	
R562	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R563	ERJ6GEYJ564	S.M.CARB	0.1W	5%	560K Ω	
R564	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56K Ω	
R566	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R567	ERJ6GEYJ124	S.M.CARB	0.1W	5%	120K Ω	
R568	ERDS1TJ120	CARBON	0.5W	5%	12 Ω	
R569	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R576	ERQ12HKR39P	FUSIBLE	0.5W	10%	0.39 Ω	
R581	ERG3FJ561H	METAL	2W	5%	560 Ω	
R701	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R702	ERX3FJ1R0	METAL	3W	5%	1 Ω	
R703	343-23R3AY	METAL	10W	5%	3.3 Ω	
R704	ERDS1FJ472	CARBON	0.5W	5%	4.7K Ω	
R705	ERG3FJ201H	METAL	3W	5%	200 Ω	
R706	ERG3FJ201H	METAL	3W	5%	200 Ω	
R707	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7 Ω	
R708	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R709	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K Ω	
R710	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R711	ERG2SJS123H	METAL	2W	5%	12K Ω	
R712	ERJ6GEYJ203	S.M.CARB	0.1W	5%	20K Ω	
R713	ERDS2TJ301T	CARBON	2W	5%	300 Ω	
R715	ERD25TJ272F	CARBON	0.25W	5%	2K7 Ω	
R716	ERQ12AJ680P	METAL	0.5W	5%	68 Ω	△
R717	ERJ6GEYJ242	S.M.CARB	0.1W	5%	2K4 Ω	

Cct Ref	Parts Number	Description				
R718	ERJ6GEYJ203	S.M.CARB	0.1W	5%	20K Ω	
R720	ERJ6GEYJ302	S.M.CARB	0.1W	5%	3K Ω	
R721	ERJ6GEYJ202	S.M.CARB	0.1W	5%	2K Ω	
R722	ERJ6GEYJ242	S.M.CARB	0.1W	5%	2K4 Ω	
R723	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K Ω	
R724	ERG2FJ820	METAL	2W	5%	82 Ω	△
R725	ERG1FJ202	METAL	0.5W	5%	2K Ω	
R801	ERC12ZGK105C	SOLID	0.5W	10%	1M Ω	△
R803	ERDS1TJ683	CARBON	0.5W	5%	68K Ω	
R820	D0D2R27KA003	WIRE	2W	5%	0.27 Ω	△
R821	D0D2R27KA003	WIRE	2W	5%	0.27 Ω	△
R823	ERDS1TJ221	CARBON	0.5W	5%	220 Ω	
R825	ERDS1TJ102	CARBON	0.5W	5%	1K Ω	
R827	ERDS1TJ272	CARBON	0.5W	5%	2K7 Ω	
R828	ERDS1TJ100	CARBON	0.5W	5%	10 Ω	
R829	ERG2FJ470H	METAL	2W	5%	47 Ω	△
R830	ERDS1TJ684	CARBON	0.5W	5%	680K Ω	
R831	ERD75TAJ825	CARBON	0.75W	5%	8M2 Ω	△
R852	ERG12SJ470	METAL	0.5W	5%	47 Ω	
R853	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R854	ERJ6GEYJ203	S.M.CARB	0.1W	5%	20K Ω	
R860	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R860	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K Ω	
R861	ERD25TJ123	CARBON	0.25W	5%	12K Ω	
R862	ERD25TJ182	CARBON	1/4W	5%	1K8 Ω	△
R863	ERD25TJ102	CARBON	0.25W	5%	1K Ω	
R864	ERDS2TJ472T	CARBON	0.25W	5%	4K7 Ω	
R865	ERQ12HJ180P	FUSIBLE	1/2W	5%	18 Ω	
R867	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8 Ω	
R868	ERD25TJ271	CARBON	0.25W	5%	270 Ω	
R869	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R871	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R873	ERG3FJ151	METAL	3W	5%	150 Ω	△
R874	ERG3FJ151	METAL	3W	5%	150 Ω	△
R875	ERDS1TJ2R2	CARBON	0.5W	5%	2R2 Ω	
R876	ERD25TJ101	CARBON	0.25W	5%	100 Ω	
R877	ERD25TJ202	CARBON	0.25W	5%	2K Ω	
R878	ERDS1TJ103	CARBON	0.5W	5%	10K Ω	
R882	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15K Ω	
R883	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K Ω	
R884	ERJ6GEYJ753	S.M.CARB	0.1W	5%	75K Ω	
R885	ERD25TJ752	CARBON	0.25W	5%	7.5K Ω	
R886	ERJ6GEYJ752	S.M.CARB	0.1W	5%	7K5 Ω	
R887	ERDS1TJ683	CARBON	0.5W	5%	68K Ω	
R889	ERJ6GEYJ752	S.M.CARB	0.1W	5%	7K5 Ω	
R892	ERDS1TJ751	CARBON	0.5W	5%	750 Ω	
R893	ERJ6ENF3002V	S.M.CAR	0.125	1%	30K Ω	
R894	ERJ6ENF1002	S.M.CARB	0.1W	1%	10K Ω	
R896	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R897	ERD25TJ622	CARBON	0.25W	5%	6K2 Ω	
R898	ERD25TJ273	CARBON	0.25W	5%	27K Ω	
R899	ERX2FJ3R9H	METAL	2W	5%	3R9 Ω	
R901	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω	
R902	ERD25TJ122	CARBON	0.25W	5%	1K2 Ω	
R903	ERD25TJ100	CARBON	0.25W	5%	10 Ω	
R904	ERG5FJ152H	METAL	5W	5%	1.5K Ω	△
R905	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω	
R906	ERD25TJ122	CARBON	0.25W	5%	1K2 Ω	
R907	ERD25TJ124	CARBON	0.25W	5%	120K Ω	
R908	ERD25TJ124	CARBON	0.25W	5%	120K Ω	
R909	ERD25TJ100	CARBON	0.25W	5%	10 Ω	
R910A	ERG2SJ181E	METAL	2W	5%	180 Ω	
R914	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω	
R1005	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3 Ω	
R1007	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1017	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	

Cct Ref	Parts Number	Description				
R1043	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8 Ω	
R1044	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12K Ω	
R1045	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω	
R1046	ERJ6GEYJ683	S.M.CARB	0.1W	5%	68K Ω	
R1047	ERD25TJ102	CARBON	0.25W	5%	1K Ω	
R1101	ERJ3GEYJ472V	S.M.CARB	0.125	5%	4K7 Ω	
R1102	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1103	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1104	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1105	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1106	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1107	ERJ3GEYJ562V	S.M.CARB	0.125	5%	5K6 Ω	
R1108	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1109	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1110	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1111	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1114	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1115	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1116	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1117	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1118	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1120	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1123	ERJ3GEYJ473V	S.M.CARB	0.125	5%	47K Ω	
R1125	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1126	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1127	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1128	ERJ3GEYJ683	S.M.CARB	0.33W	5%	68K Ω	
R1129	ERJ3GEYJ562V	S.M.CARB	0.125	5%	5K6 Ω	
R1130	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1131	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1132	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1133	ERJ3GEYJ273	S.M.CARB	0.125	5%	27K Ω	
R1134	ERJ3GEYJ471V	S.M.CARB	0.125	5%	470 Ω	
R1135	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1136	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1137	ERJ3GEYJ822	S.M.CARB	0.33W	5%	8K2 Ω	
R1138	ERJ3GEYJ153V	S.M.CARB	0.1W	5%	15K Ω	
R1139	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1140	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1141	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1142	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1143	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1144	ERJ3GEYJ473V	S.M.CARB	0.125	5%	47K Ω	
R1145	ERJ3GEYJ473V	S.M.CARB	0.125	5%	47K Ω	
R1147	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1150	ERJ3GEYJ331	S.M.CARB	0.125	5%	330 Ω	
R1151	ERJ3GEYJ683	S.M.CARB	0.33W	5%	68K Ω	
R1152	ERJ3GEYJ332	S.M.CARB	0.125	5%	3K3 Ω	
R1153	ERJ3GEYJ472V	S.M.CARB	0.125	5%	4K7 Ω	
R1154	ERJ3GEYJ472V	S.M.CARB	0.125	5%	4K7 Ω	
R1155	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1156	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1157	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1158	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1159	ERJ3GEYJ472V	S.M.CARB	0.125	5%	4K7 Ω	
R1160	ERJ3GEYJ472V	S.M.CARB	0.125	5%	4K7 Ω	
R1161	ERJ3GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R1162	ERJ3GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R1163	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1164	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1165	ERJ3GEYJ273	S.M.CARB	0.125	5%	27K Ω	
R1166	ERJ3GEYJ224V	S.M.CARB	0.16W	5%	220 Ω	
R1167	ERJ3GEYJ104V	S.M.CARB	0.1W	5%	100K Ω	
R1168	ERJ3GEYJ104V	S.M.CARB	0.1W	5%	100K Ω	
R1169	ERJ3GEYJ473V	S.M.CARB	0.125	5%	47K Ω	
R1170	ERJ3GEYJ472V	S.M.CARB	0.125	5%	4K7 Ω	

Cct Ref	Parts Number	Description				
R1171	ERJ3GEYJ225	S.M.CARB	0.33W	5%	2M2 Ω	
R1172	ERJ3GEYJ221	S.M.CARB	0.1W	5%	220 Ω	
R1173	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1174	ERJ3GEYJ223V	S.M.CARB	0.1W	5%	22K Ω	
R1175	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R1176	ERJ3GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R1177	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1178	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1179	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1180	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1184	ERJ3GEYJ680	S.M.CARB	0.33W	5%	68 Ω	
R1185	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1186	ERJ3GEYJ473V	S.M.CARB	0.125	5%	47K Ω	
R1188	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1189	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1190	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1191	ERJ3GEYJ223V	S.M.CARB	0.1W	5%	22K Ω	
R1192	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1193	ERJ3GEYJ472V	S.M.CARB	0.125	5%	4K7 Ω	
R1194	ERJ3GEYJ472V	S.M.CARB	0.125	5%	4K7 Ω	
R1198	ERJ3GEYJ680	S.M.CARB	0.33W	5%	68 Ω	
R1199	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1200	ERJ3GEYJ222	S.M.CARB	0.125	5%	2K2 Ω	
R1204	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R1206	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R1207	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R1208	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R1209	EXB38V680JV	CHIP	0.063	5%	680 Ω	△
R1210	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R1211	D1HG6808A002	CHIP NET	0.25W	5%	68 Ω	
R1212	D1HG6808A002	CHIP NET	0.25W	5%	68 Ω	
R1213	ERJ3GEYJ680	S.M.CARB	0.33W	5%	68 Ω	
R1214	EXB38V680JV	CHIP	0.063	5%	680 Ω	△
R1215	ERJ3GEYJ680	S.M.CARB	0.33W	5%	68 Ω	
R1216	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R1217	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R1218	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1251	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R1502	ERJ3GEYJ152	S.M.CARB	0.1W	5%	150K Ω	
R1503	ERJ3GEYJ152	S.M.CARB	0.1W	5%	150K Ω	
R1504	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75 Ω	
R1510	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R1511	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R1512	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R1513	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R1514	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1515	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1516	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1519	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1520	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R1521	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75 Ω	
R1523	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75 Ω	
R1524	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75 Ω	
R1525	ERJ3GEYJ152	S.M.CARB	0.1W	5%	150K Ω	
R1526	ERJ3GEYJ221	S.M.CARB	0.1W	5%	220 Ω	
R1540	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1547	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R1548	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R1549	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R1551	ERJ3GEYJ221	S.M.CARB	0.1W	5%	220 Ω	
R1552	ERJ3GEYJ221	S.M.CARB	0.1W	5%	220 Ω	
R1553	ERJ3GEYJ331	S.M.CARB	0.125	5%	330 Ω	
R1556	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75 Ω	
R1561	ERJ3GEYJ221	S.M.CARB	0.1W	5%	220 Ω	
R1562	ERJ3GEYJ221	S.M.CARB	0.1W	5%	220 Ω	
R1701	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω	

Cct Ref	Parts Number	Description			
R1704	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1705	ERJ3GEYJ122V	S.M.CARB	0.33W	5%	1K2 Ω
R1706	ERJ3GEYJ272	S.M.CARB	0.125	5%	2K7 Ω
R1707	ERJ3GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R1708	ERJ3GEYJ473V	S.M.CARB	0.125	5%	47K Ω
R1709	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1710	ERJ3GEYJ563V	S.M.CARB	0.125	5%	56K Ω
R1712	ERJ3GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R1714	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1716	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1717	ERJ3GEYJ271V	S.M.CARB	0.33W	5%	270 Ω
R1719	ERJ3GEYJ223V	S.M.CARB	0.1W	5%	22K Ω
R1720	ERJ3GEYJ822	S.M.CARB	0.33W	5%	8K2 Ω
R1721	ERJ3GEYJ682V	S.M.CARB	0.125	5%	6K8 Ω
R1723	ERJ3GEYJ561V	S.M.CARB	0.125	5%	560 Ω
R1724	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1725	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1726	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1727	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1728	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1730	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1732	ERJ3GEYJ151	S.M.CARB	0.1W	5%	150 Ω
R1733	ERJ3GEYJ151	S.M.CARB	0.1W	5%	150 Ω
R1734	ERJ3GEYJ151	S.M.CARB	0.1W	5%	150 Ω
R1735	ERJ3GEYJ821V	S.M.CARB	0.125	5%	820 Ω
R1736	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1737	ERJ3GEYJ560	S.M.CARB	0.33W	5%	56 Ω
R1738	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560 Ω
R1739	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1740	ERJ3GEYJ560	S.M.CARB	0.33W	5%	56 Ω
R1741	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560 Ω
R1742	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1743	ERJ3GEYJ560	S.M.CARB	0.33W	5%	56 Ω
R1744	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560 Ω
R1745	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1746	ERJ3GEYJ472V	S.M.CARB	0.125	5%	4K7 Ω
R1750	ERJ3GEYJ821V	S.M.CARB	0.125	5%	820 Ω
R1751	ERJ3GEYJ244V	S.M.CARB	0.1W	5%	240K Ω
R1752	ERJ3GEYJ560	S.M.CARB	0.33W	5%	56 Ω
R1755	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R1759	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1780	ERJ3GEYJ331	S.M.CARB	0.125	5%	330 Ω
R1781	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1782	ERJ3GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R1783	ERJ3GEYJ271V	S.M.CARB	0.33W	5%	270 Ω
R1784	ERJ3GEYJ472V	S.M.CARB	0.125	5%	4K7 Ω
R2011	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18K Ω
R2013	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R2014	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R2015	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R2016	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R2017	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R2020	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R2021	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω
R2022	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω
R2024	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R2029	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R2032	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R2033	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R2036	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R2037	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R2038	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω
R2039	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω
R2040	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω
R2041	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R2042	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω

Cct Ref	Parts Number	Description			
R2043	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R2044	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R2045	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R3001	ERJ3GEYJ183V	S.M. CAR	3W	5%	18K Ω
R3002	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R3003	ERJ3GEYJ183V	S.M. CAR	3W	5%	18K Ω
R3004	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R3005	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12K Ω
R3006	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R3007	ERJ3GEYJ272	S.M.CARB	0.125	5%	2K7 Ω
R3008	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75 Ω
R3009	ERJ3GEYJ183V	S.M. CAR	3W	5%	18K Ω
R3010	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R3011	ERJ3GEYJ183V	S.M. CAR	3W	5%	18K Ω
R3012	ERJ3GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R3013	ERJ3GEYJ272	S.M.CARB	0.125	5%	2K7 Ω
R3014	ERJ3GEYJ123	S.M.CARB	0.33W	5%	12K Ω
R3015	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75 Ω
R3016	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75 Ω
R3017	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75 Ω
R3018	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75 Ω
R3019	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75 Ω
R3020	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R3021	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R3022	ERJ3GEYJ391	S.M.CARB	0.125	5%	390 Ω
R3023	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R3024	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R3025	ERJ3GEYJ391	S.M.CARB	0.125	5%	390 Ω
R3026	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R3027	ERJ3GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R3029	ERJ3GEYJ104V	S.M.CARB	0.1W	5%	100K Ω
R3030	ERJ3GEYJ104V	S.M.CARB	0.1W	5%	100K Ω
R3031	ERJ3GEYJ391	S.M.CARB	0.125	5%	390 Ω
R3032	ERJ3GEYJ391	S.M.CARB	0.125	5%	390 Ω
R3033	ERJ3GEYJ104V	S.M.CARB	0.1W	5%	100K Ω
R3034	ERJ3GEYJ104V	S.M.CARB	0.1W	5%	100K Ω
R3037	ERJ3GEYJ104V	S.M.CARB	0.1W	5%	100K Ω
R3038	ERJ3GEYJ104V	S.M.CARB	0.1W	5%	100K Ω
R3039	ERJ6GEYJ680	S.M.CARB	0.1W	5%	68 Ω
R3040	ERJ6GEYJ680	S.M.CARB	0.1W	5%	68 Ω
R3043	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R3049	ERJ3GEYJ391	S.M.CARB	0.125	5%	390 Ω
R3050	ERJ3GEYJ391	S.M.CARB	0.125	5%	390 Ω
R3056	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R3057	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R3058	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R3059	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R3060	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R3061	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R3062	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R3063	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R3064	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R3065	ERJ3GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R3201	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R3202	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R3203	ERG2SJS151	METAL	2W	5%	150 Ω
R3205	ERDS1TJ151	CARBON	0.5W	5%	150 Ω
R3208	ERG2SJS151	METAL	2W	5%	150 Ω
R3212	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R3213	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R3214	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15K Ω
R3215	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15K Ω
R3217	ERDS1TJ151	CARBON	0.5W	5%	150 Ω
CAPACITORS					
C107	ECUV1H104KBX	S.M. CAP	50V		100nF
C108	ECA1CM470GB	ELECT	16V		47μF

Cct Ref	Parts Number	Description			
C109	ECUV1H472KBX	S.M. CAP	50V	4.7nF	
C110	ECUV1H103JCN	CERAMIC	50V	10nF	
C111	ECA1HMR33GB	ELECT	50V	0.33µF	
C117	ECUV1H103JCN	CERAMIC	50V	10nF	
C118	ECUV1H104KBX	S.M. CAP	50V	100nF	
C119	ECA1CM221GB	ELECT	16V	220µF	
C122	ECJ2FB1H104	CERAMIC	50V	100nF	
C130	ECUV1H103JCN	CERAMIC	50V	10nF	
C131	ECUV1H683ZFX	S.M. CAP	50V	68nF	
C136	ECJ2FB1H104	CERAMIC	50V	100nF	
C137	ECUV1H560GCG	S.M. CAP	50V	56pF	
C138	ECUV1H220JCX	S.M. CAP	50V	22pF	
C141	ECUV1H103JCN	CERAMIC	50V	10nF	
C142	ECJ2FB1H104	CERAMIC	50V	100nF	
C251	ECA1HM010GB	ELECT	50V	1µF	
C252	ECA1HHG010B	ELECT	50V	1µF	
C253	ECA1HM4R7GB	ELECT	50V	4.7µF	
C254	ECJ2VB1H102K	CERAMIC	50V	1nF	
C255	ECA1HM4R7GB	ELECT	50V	4.7µF	
C256	ECJ2VB1H102K	CERAMIC	50V	1nF	
C259	ECQV1H684J	FILM	50V	680nF	
C260	ECQV1H684J	FILM	50V	680nF	
C261	ECA1HM100GB	ELECT	50V	10µF	
C262	ECA1HM100GB	ELECT	50V	10µF	
C263	ECEA1HU101	ELECT	50V	100µF	
C264	ECQV1H154J	FILM	50V	150nF	
C265	ECQV1H154J	FILM	50V	150nF	
C266	ECJ2FB1H104	CERAMIC	50V	100nF	
C267	ECJ2FB1H104	CERAMIC	50V	100nF	
C269	ECA1HM332	ELECTRO	50V	3.3nF	
C352	ECUV1H104KBX	S.M. CAP	50V	100nF	
C353	ECJ2FB1H104	CERAMIC	50V	100nF	
C354	ECQM2104KZ	FILM	250V	100nF	
C355	ECKC2H102J	CERAMIC	500V	1nF	△
C358	ECUV1H104KBX	S.M. CAP	50V	100nF	
C359	ECUV1H150JCX	S.M. CAP	50V	15pF	
C360	ECJ2VF1E104Z	CERAMIC	25V	100nF	
C362	ECUV1H104KBX	S.M. CAP	50V	100nF	
C363	ECJ2FB1H104	CERAMIC	50V	100nF	
C364	ECQM2104KZ	FILM	250V	100nF	
C365	ECKC2H102J	CERAMIC	500V	1nF	△
C366	ECA1HM101GB	ELECT	50V	100µF	
C368	ECA1CM221GB	ELECT	16V	220µF	
C372	ECUV1H104KBX	S.M. CAP	50V	100nF	
C373	ECJ2FB1H104	CERAMIC	50V	100nF	
C374	ECQM2104KZ	FILM	250V	100nF	
C375	ECKC2H102J	CERAMIC	500V	1nF	△
C379	ECUV1H150JCX	S.M. CAP	50V	15pF	
C382	ECA1HM100GB	ELECT	50V	10µF	
C385	ECA2EM100B	ELECT	250V	10µF	
C386	ECKC3D152J	CERAMIC	2KV	1.5nF	△
C451	ECJ2VB1H102K	CERAMIC	50V	1nF	
C456	ECEA1HU221	ELECT	50V	220µF	
C459	ECQV1H105JZ	FILM	50V	1µF	
C463	ECEA1HU221	ELECT	50V	220µF	
C501	ECA1EM101GB	ELECT	25V	100µF	
C508	ECQB1H392J	FILM	50V	3.9nF	
C509	ECA1HM470GB	ELECT	50V	47µF	
C551	ECKW3D221JBN	CERAMIC	2KV	220pF	
C552	ECWH20102JVY	FILM	200V	1µF	
C557	ECKC2H471J	CERAMIC	500V	470pF	△
C558	ECA1HHG101B	ELECT	50V	100µF	
C559	ECJ2FB1H104	CERAMIC	50V	100nF	
C560	ECQE2393KFW	FILM	250V	39nF	△
C561	ECA1EM222GB	ELECT	25V	2200µF	
C562	ECKC2H101J	CERAMIC	500V	100pF	△

Cct Ref	Parts Number	Description			
C563	ECA2EM100B	ELECT	250V	10µF	
C564	ECEA2AN2R2SB	ELECT	100V	2.2µF	
C565	ECQB1H273J	FILM	50V	27nF	
C566	ECKC2H471J	CERAMIC	500V	470pF	△
C567	ECA1EM222GB	ELECT	25V	2200µF	
C568	ECKC2H471J	CERAMIC	500V	470pF	△
C572	ECJ2VB2A102K	CERAMIC	250V	1µF	
C573	ECUV1H221KBX	CERAMIC	50V	220µF	
C574	ECUV1H221KBX	CERAMIC	50V	220µF	
C581	ECWF4684JBB	FILM	400V	680nF	
C582	ECWF4514JBB	FILM	400V	810nF	
C583	ECWH20562JVB	FILM	200V	5.6nF	
C584	ECWH20562JVB	FILM	200V	5.6nF	
C587	ECQF4393JZH	FILM	400V	39nF	△
C588	ECWF4684JBB	FILM	400V	680nF	
C701	ECKC2H152J	CERAMIC	500V	1.5nF	△
C702	ECQE1335KFB	FILM	125V	3.3µF	△
C703	ECUV1H332ZFX	S.M. CAP	50V	3.3nF	
C704	ECQV1H474JZ	FILM	50V	470nF	
C706	ECKC2H471J	CERAMIC	500V	470pF	△
C707	ECJ2VB1H471K	CERAMIC	50V	470pF	
C708	ECUV1H332ZFX	S.M. CAP	50V	3.3nF	
C709	ECUV1H332ZFX	S.M. CAP	50V	3.3nF	
C710	ECA1HM010GB	ELECT	50V	1µF	
C801	ECQU2A224MLA	FILM	250V	220nF	△
C804	222233820154	FILM	275V	150nF	△
C805	ECKC2H472J	CERAMIC	500V	4.7nF	△
C806	ECKC2H472J	CERAMIC	500V	4.7nF	△
C807	ECKC2H472J	CERAMIC	500V	4.7nF	△
C808	ECKC2H472J	CERAMIC	500V	4.7nF	△
C809	ECQE6823KFB	FILM	600V	82nF	△
C811	ECKWNA101MBC	CERAMIC	400V	100µF	△
C820	43303S9227M5	ELECT	400V	220µF	△
C821	ECA1HM010GB	ELECT	50V	1µF	
C822	ECUV1H103JCN	CERAMIC	50V	10nF	
C823	ECA1HM100GB	ELECT	50V	10µF	
C824	ECJ2VB1H221K	CERAMIC	50V	220pF	
C825	ECJ2VB1H471K	CERAMIC	50V	470pF	
C826	ECKC3D681J	CERAMIC	2KV	680pF	△
C827	ECQM4103KZ	FILM	400V	10nF	
C830	ECKCNS332J	CERAMIC	1.2KV	3.3nF	△
C860	ECJ2VF1H103Z	CERAMIC	50V	10nF	
C861	ECA1CHG101	ELECT	16V	100µF	
C862	ECA1CHG101	ELECT	16V	100µF	
C864	ECA1EHG471B	ELECT	25V	470pF	
C865	ECA2CM100B	ELECT	160V	10µF	
C866	ECKC3D471JB	CERAMIC	2KV	470pF	△
C867	EEUEB2D101B	CERAMIC	250V	100pF	
C868	ECA2DHG221E	ELECT	200V	220pF	△
C870	EEUFC1C471B	ELECT	16V	470µF	
C871	ECKC2H471J	CERAMIC	500V	470pF	△
C872	ECA1CHG472B	ELECT	16V	4.7nF	
C873	ECKC2H471J	CERAMIC	500V	470pF	△
C875	ECA1HHG102E	ELECT	50V	1nF	
C878	ECA1CM100GB	ELECT	16V	10µF	
C879	ECA1VHG331B	ELECT	35V	330pF	
C880	ECKC2H471J	CERAMIC	500V	470pF	△
C882	ECA1HHG100B	ELECT	50V	10µF	
C883	ECA1CHG101	ELECT	16V	100µF	
C884	ECA1HHG100B	ELECT	50V	10µF	
C886	ECA1HHG100B	ELECT	50V	10µF	
C888	ECJ2FB1H104	CERAMIC	50V	100nF	
C889	ECA1CHG101	ELECT	16V	100µF	
C890	ECJ2FB1H104	CERAMIC	50V	100nF	
C891	ECA1CHG101	ELECT	16V	100µF	
C892	ECJ2FB1H104	CERAMIC	50V	100nF	

Cct Ref	Parts Number	Description		
C893	ECA1CHG101	ELECT	16V	100µF
C894	ECJ2FB1H104	CERAMIC	50V	100nF
C895	ECA1CHG101	ELECT	16V	100µF
C896	ECJ2FB1H104	CERAMIC	50V	100nF
C901	ECA1HM101GB	ELECT	50V	100µF
C902	ECJ2VF1H103Z	CERAMIC	50V	10nF
C903	ECKC2H472J	CERAMIC	500V	4.7nF
C904	ECUV1H472KBX	S.M. CAP	50V	4.7nF
C905	ECA2CM220B	ELECT	160V	22µF
C906	ECA2CM220B	ELECT	160V	22µF
C907	ECA2CM220B	ELECT	160V	22µF
C1002	ECA1HM101GB	ELECT	50V	100µF
C1003	ECJ2FB1H104	CERAMIC	50V	100nF
C1004	ECUV1H103JCN	CERAMIC	50V	10nF
C1005	ECA1HM101GB	ELECT	50V	100µF
C1007	ECUV1H270JCG	CERAMIC	50V	27pF
C1101	ECJ1VF1E104	CERAMIC	35V	100nF
C1102	ECA1HM101GB	ELECT	50V	100µF
C1103	ECJ1VF1E104	CERAMIC	35V	100nF
C1104	ECA1HM101GB	ELECT	50V	100µF
C1105	ECJ1VF1E104	CERAMIC	35V	100nF
C1107	ECJ1VC1H330J	CERAMIC	50V	33pF
C1108	ECJ1VC1H330J	CERAMIC	50V	33pF
C1109	ECJ1VB1H103	CERAMIC	50V	10nF
C1111	ECJ1VF1E104	CERAMIC	35V	100nF
C1112	ECJ1VC1H151J	CERAMIC	50V	150pF
C1116	ECJ1VF1E104	CERAMIC	35V	100nF
C1117	ECJ1VC1H221	CERAMIC	50V	220pF
C1118	ECJ1VC1H221	CERAMIC	50V	220pF
C1119	ECJ1VF1E104	CERAMIC	35V	100nF
C1120	ECJ1VF1E104	CERAMIC	35V	100nF
C1121	ECJ1VF1E104	CERAMIC	35V	100nF
C1122	ECJ1VF1E104	CERAMIC	35V	100nF
C1123	ECJ1VF1E104	CERAMIC	35V	100nF
C1124	ECJ1VF1E104	CERAMIC	35V	100nF
C1125	ECJ1VF1E104	CERAMIC	35V	100nF
C1126	ECJ1VF1E104	CERAMIC	35V	100nF
C1127	ECJ1VF1E104	CERAMIC	35V	100nF
C1501	ECJ1VC1H220J	CERAMIC	50V	22pF
C1502	ECJ1VC1H220J	CERAMIC	50V	22pF
C1503	ECJ1VF1E104	CERAMIC	35V	100nF
C1505	ECJ2FB1H104	CERAMIC	50V	100nF
C1506	ECJ1VF1E104	CERAMIC	35V	100nF
C1507	ECJ1VF1E104	CERAMIC	35V	100nF
C1508	ECJ2FB1H104	CERAMIC	50V	100nF
C1509	ECJ1VB1H103	CERAMIC	50V	10nF
C1510	ECJ1VF1E104	CERAMIC	35V	100nF
C1511	ECJ2FB1H104	CERAMIC	50V	100nF
C1512	ECJ2FB1H104	CERAMIC	50V	100nF
C1514	ECJ1VF1E104	CERAMIC	35V	100nF
C1515	ECA1CM100GB	ELECT	16V	10µF
C1516	ECJ1VF1E104	CERAMIC	35V	100nF
C1517	ECJ1VC1H271	CERAMIC	50V	270pF
C1518	ECJ1VC1H271	CERAMIC	50V	270pF
C1519	ECA1CM100GB	ELECT	16V	10µF
C1520	ECJ1VB1H103	CERAMIC	50V	10nF
C1522	ECJ1VF1E104	CERAMIC	35V	100nF
C1524	ECJ1VF1E104	CERAMIC	35V	100nF
C1525	ECJ1VF1E104	CERAMIC	35V	100nF
C1526	ECJ1VC1H271	CERAMIC	50V	270pF
C1527	ECJ1VC1H331	CERAMIC	50V	330pF
C1528	ECJ1VC1H331	CERAMIC	50V	330pF
C1530	ECJ1VF1E104	CERAMIC	35V	100nF
C1532	ECJ1VF1E104	CERAMIC	35V	100nF
C1533	ECJ1VB1H103	CERAMIC	50V	10nF
C1535	ECJ1VF1E104	CERAMIC	35V	100nF

Cct Ref	Parts Number	Description		
C1537	ECJ1VF1E104	CERAMIC	35V	100nF
C1543	ECJ2FB1H104	CERAMIC	50V	100nF
C1544	ECJ2FB1H104	CERAMIC	50V	100nF
C1545	ECA1CM221GB	ELECT	16V	220µF
C1548	ECJ1VF1E104	CERAMIC	35V	100nF
C1549	ECEA1CKA470	ELECT	16V	47µF
C1550	ECJ1VF1E104	CERAMIC	35V	100nF
C1551	ECJ1VF1E104	CERAMIC	35V	100nF
C1560	ECJ1VF1E104	CERAMIC	35V	100nF
C1561	ECJ1VF1E104	CERAMIC	35V	100nF
C1563	ECA1HM220GB	ELECT	50V	22µF
C1565	ECJ2FB1H104	CERAMIC	50V	100nF
C1573	ECJ1VB1C473	CERAMIC	16V	47nF
C1574	ECJ1VB1C473	CERAMIC	16V	47nF
C1575	ECJ1VB1C473	CERAMIC	16V	47nF
C1580	ECA1HM100GB	ELECT	50V	10µF
C1581	ECA1HM100GB	ELECT	50V	10µF
C1701	ECJ1VC1H270	CERAMIC	50V	27pF
C1702	ECJ1VC1H270	CERAMIC	50V	27pF
C1703	ECJ1VF1E104	CERAMIC	35V	100nF
C1704	ECEA1AKA221B	ELECT	10V	220µF
C1705	ECJ1VB1H222K	CERAMIC	50V	2.2nF
C1706	ECA1CM100GB	ELECT	16V	10µF
C1707	ECJ1VC1H270	CERAMIC	50V	27pF
C1708	ECA0JHG102B	ELECT	6.3V	1nF
C1709	ECJ1VB1H102	CERAMIC	50V	10nF
C1710	ECJ1VB1H153K	CERAMIC	50V	15nF
C1711	ECJ1VB1H153K	CERAMIC	50V	15nF
C1713	ECA1CM100GB	ELECT	16V	10µF
C1714	ECJ1VF1E104	CERAMIC	35V	100nF
C1716	ECJ1VF1E104	CERAMIC	35V	100nF
C1719	ECJ1VB1H103	CERAMIC	50V	10nF
C1720	ECJ1VB1H103	CERAMIC	50V	10nF
C1721	ECJ1VB1H103	CERAMIC	50V	10nF
C1722	ECJ1VB1H103	CERAMIC	50V	10nF
C1723	ECA1HM101GB	ELECT	50V	100µF
C1724	ECJ1VB1H222K	CERAMIC	50V	2.2nF
C1725	ECA1CM100GB	ELECT	16V	10µF
C1726	ECJ1VF1E104	CERAMIC	35V	100nF
C1727	ECA1CM470GB	ELECT	16V	47µF
C1728	ECJ1VF1E104	CERAMIC	35V	100nF
C1731	ECJ1VF1E104	CERAMIC	35V	100nF
C1732	ECJ1VF1E104	CERAMIC	35V	100nF
C1733	ECJ1VF1E104	CERAMIC	35V	100nF
C1734	ECJ1VC1H391	CERAMIC	50V	390pF
C1735	ECJ1VC1H391	CERAMIC	50V	390pF
C1736	ECJ1VC1H391	CERAMIC	50V	390pF
C1737	ECUV1C224KBX	S.M. CAP	16V	220nF
C1739	ECA1HM101GB	ELECT	50V	100µF
C1740	ECJ1VF1E104	CERAMIC	35V	100nF
C1742	ECJ1VB1H472K	CERAMIC	50V	4.7nF
C1743	ECA1HM3R3GB	ELECT	50V	3.3µF
C1744	ECJ1VF1E104	CERAMIC	35V	100nF
C1745	ECJ1VF1E104	CERAMIC	35V	100nF
C1746	ECJ1VF1E104	CERAMIC	35V	100nF
C1752	ECJ1VB1H471K	CERAMIC	50V	470µF
C1783	ECJ1VC1H151J	CERAMIC	50V	150pF
C2001	ECA1CM100GB	ELECT	16V	10µF
C2002	ECJ2VB1H152K	CERAMIC	50V	1.5nF
C2003	ECUV1H471JCN	CERAMIC	50V	470µF
C2004	ECUV1H221KBX	CERAMIC	50V	220µF
C2005	ECJ2FB1H104	CERAMIC	50V	100nF
C2006	ECJ2VB1H102K	CERAMIC	50V	1nF
C2007	ECJ2VB1H102K	CERAMIC	50V	1nF
C2009	ECJ2VB1H102K	CERAMIC	50V	1nF
C2010	ECJ2VB1H102K	CERAMIC	50V	1nF

Cct Ref	Parts Number	Description		
C2011	ECJ2VB1H102K	CERAMIC	50V	1nF
C2012	ECA1CM100GB	ELECT	16V	10µF
C2013	ECA1CM100GB	ELECT	16V	10µF
C2014	ECUV1H471JCN	CERAMIC	50V	470µF
C2015	ECJ2VB1H152K	CERAMIC	50V	1.5nF
C2016	ECA1HM100GB	ELECT	50V	10µF
C2017	ECJ2VB1H102K	CERAMIC	50V	1nF
C2018	ECJ2VB1H102K	CERAMIC	50V	1nF
C2019	ECJ2VB1H102K	CERAMIC	50V	1nF
C2020	ECJ2VB1H102K	CERAMIC	50V	1nF
C2021	ECA1HM3R3GB	ELECT	50V	3.3µF
C2022	ECJ2FB1H104	CERAMIC	50V	100nF
C2023	ECUV1H221KBX	CERAMIC	50V	220µF
C2024	ECUV1H221KBX	CERAMIC	50V	220µF
C2025	ECA1CM100GB	ELECT	16V	10µF
C2026	ECJ2FB1H104	CERAMIC	50V	100nF
C2027	ECUV1H221KBX	CERAMIC	50V	220µF
C2028	ECA1CM100GB	ELECT	16V	10µF
C2029	ECJ2VB1H152K	CERAMIC	50V	1.5nF
C2030	ECUV1H471JCN	CERAMIC	50V	470µF
C2031	ECJ2VC1H070D	CERAMIC	50V	7pF
C2032	ECUV1H470JCX	S.M. CAP	50V	47pF
C2034	ECUV1H010CCN	CERAMIC	50V	47pF
C2035	ECUV1H010CCN	CERAMIC	50V	47pF
C2041	ECJ2VF1C334Z	CERAMIC	16V	330nF
C2042	ECJ2VF1C334Z	CERAMIC	16V	330nF
C2043	ECUV1H103JCN	CERAMIC	50V	10nF
C2044	ECA1CM331B	ELECT	16V	330µF
C2046	ECA1CM470GB	ELECT	16V	47µF
C2047	ECA1CM470GB	ELECT	16V	47µF
C2048	ECJ2VF1C334Z	CERAMIC	16V	330nF
C2049	ECJ2VF1C334Z	CERAMIC	16V	330nF
C2050	ECJ2VF1C334Z	CERAMIC	16V	330nF
C2051	ECJ2VF1C334Z	CERAMIC	16V	330nF
C2052	ECUV1H221KBX	CERAMIC	50V	220µF
C2053	ECUV1H221KBX	CERAMIC	50V	220µF
C2054	ECUV1H221KBX	CERAMIC	50V	220µF
C2055	ECUV1H221KBX	CERAMIC	50V	220µF
C2056	ECA1CM470GB	ELECT	16V	47µF
C2057	ECA1CM470GB	ELECT	16V	47µF
C2058	ECA1CM470GB	ELECT	16V	47µF
C2059	ECA1CM470GB	ELECT	16V	47µF
C2060	ECJ2VF1C334Z	CERAMIC	16V	330nF
C2061	ECJ2VF1C334Z	CERAMIC	16V	330nF
C2062	ECUV1H221KBX	CERAMIC	50V	220µF
C2063	ECUV1H221KBX	CERAMIC	50V	220µF
C2361	ECA1VM102GB	ELECT	35V	1nF
C2362	ECA1VM102GB	ELECT	35V	1nF
C2363	ECJ2VC1H102J	CERAMIC	50V	1nF
C2364	ECJ2VC1H102J	CERAMIC	50V	1nF
C3001	ECJ1VC1H561J	CERAMIC	50V	560pF
C3002	ECJ1VC1H561J	CERAMIC	50V	560pF
C3003	ECJ1VC1H561J	CERAMIC	50V	560pF
C3006	ECJ1VC1H561J	CERAMIC	50V	560pF
C3007	ECJ1VC1H561J	CERAMIC	50V	560pF
C3008	ECJ1VC1H561J	CERAMIC	50V	560pF
C3010	ECJ1VC1H561J	CERAMIC	50V	560pF
C3011	ECJ1VC1H561J	CERAMIC	50V	560pF
C3013	ECJ1VC1H561J	CERAMIC	50V	560pF
C3014	ECJ1VC1H561J	CERAMIC	50V	560pF
C3015	ECJ1VC1H561J	CERAMIC	50V	560pF
C3016	ECJ1VC1H561J	CERAMIC	50V	560pF
C3018	ECJ1VC1H561J	CERAMIC	50V	560pF
C3019	ECJ1VC1H561J	CERAMIC	50V	560pF
C3038	ECA1CM100GB	ELECT	16V	10µF
C3039	ECA1CM100GB	ELECT	16V	10µF

Cct Ref	Parts Number	Description		
C3040	ECA1CM100GB	ELECT	16V	10µF
C3041	ECA1CM100GB	ELECT	16V	10µF
C3044	ECA1CM100GB	ELECT	16V	10µF
C3045	ECA1CM100GB	ELECT	16V	10µF
C3201	ECUV1H103JCN	CERAMIC	50V	10nF
C3202	ECUV1H103JCN	CERAMIC	50V	10nF
C3203	ECUV1H561KBX	S.M. CAP	50V	560pF
C3204	ECUV1H561KBX	S.M. CAP	50V	560pF
C3207	ECJ2VC1H271J	CERAMIC	50V	270pF
C3213	ECUV1H561KBX	S.M. CAP	50V	560pF
C3214	ECUV1H561KBX	S.M. CAP	50V	560pF
C3215	SMG1HV470MT5	ELECT	50V	47µF
C3216	SMG1HV470MT5	ELECT	50V	47µF
C3217	ECUV1H561KBX	S.M. CAP	50V	560pF
C3218	ECUV1H561KBX	S.M. CAP	50V	560pF
TERMINALS AND LINKS				
JK3001	0350536400	SCART SOCKET		
JK3002	0350536400	SCART SOCKET		
JK3201	TJB8E026	AV TERMINAL		
SC381	0330550049	CRT SOCKET		▲
SWITCHES				
SW801	ESB92DA1B	SWITCH		
SW1003	EVQ21405R	SWITCH		
SW1004	EVQ21405R	SWITCH		
SW1005	EVQ21405R	SWITCH		
SW1006	EVQ21405R	SWITCH		
SW1007	EVQ21405R	SWITCH		
RELAYS				
RL801	8-1419125-3	DEGAUSSING RELAY		▲
DIFFERENCES FOR MODEL TX--25PX10D				
EXPLODED VIEW				
20	TNP8EA021AE	A P.C.B.		▲
21	TQF8E3482	MODEL LABEL		▲
MISCELLANEOUS COMPONENTS				
.	TEK6935	DOOR CATCH		
INSTRUCTION BOOKS				
	TQB8E4020A	GERMAN		▲
	TQB8E4020C	ITALIAN		▲
	TQB8E4020D	FRENCH		▲
I.C.s				
IC1104	X24C1500-1DD	EAROM*		
DIFFERENCES FOR MODEL TX--25PX10F				
EXPLODED VIEW				
20	TNP8EA021AQ	A P.C.B.		▲
21	TQF8E3487	MODEL LABEL		▲
MISCELLANEOUS COMPONENTS				
	TEK6935	DOOR CATCH		
INSTRUCTION BOOKS				
	TQB8E4028AE	GERMAN/SPANISH		▲
	TQB8E4028BD	DUTCH/FRENCH		▲
	TQB8E4028FG	SWEDISH/NORWEGIAN		▲
	TQB8E4028K	DANISH		▲
I.C.s				
IC1104	X24C1500-1DF	EAROM*		

SCHEMATIC DIAGRAMS FOR MODELS


TX-25PX10D

TX-25PX10F

TX-25PX10P

(GP2 CHASSIS)

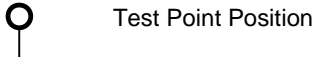
IMPORTANT SAFETY NOTICE

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

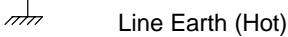
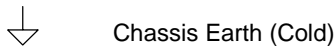
NOTE

1. RESISTOR
All resistors are carbon $\frac{1}{4}W$ 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 μF unless otherwise stated.
3. COIL
Unit of inductance is μH , unless otherwise stated.

4. TEST POINT



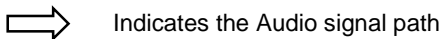
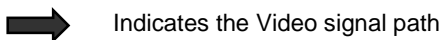
5. EARTH SYMBOL



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.



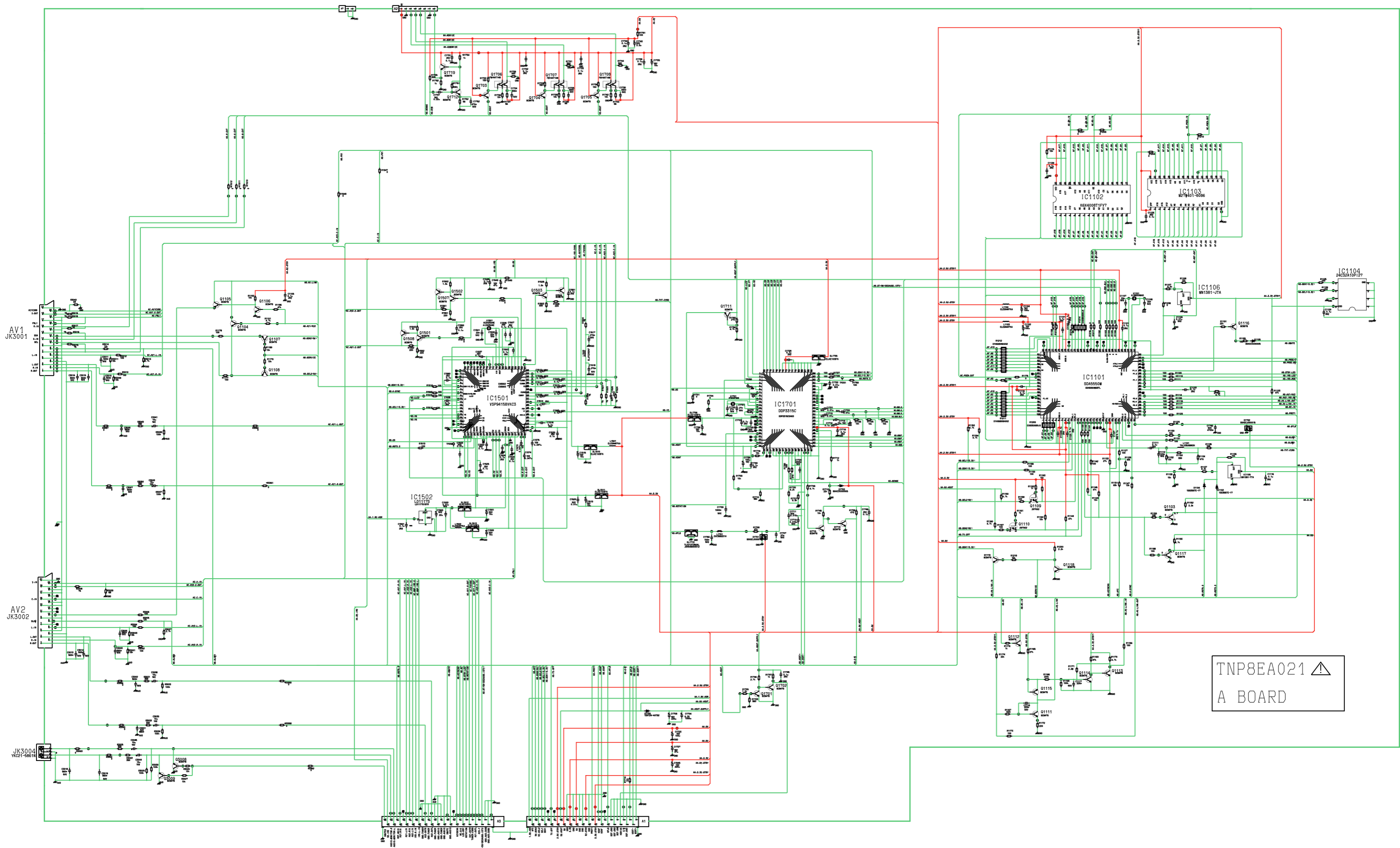
These schematic diagrams are the latest at time of printing and are subject to change without notice.

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.



TNP8EA021 ⚠
A BOARD

TNP8ELO21 ⚠ L BOARD

