TX-W32D4DP Service Manual

Safety

Specifications

Parts List

Service Information

Adjustments

Self Check

Service Hints

Mechanical View

Disassembly

Location of Controls

Waveforms

Block Diagrams

Schematic Diagrams

PCB Views

Service Support

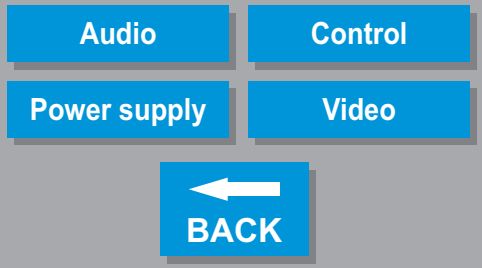
Service and repair of this product is supported by Panasonic's LUCI interface.

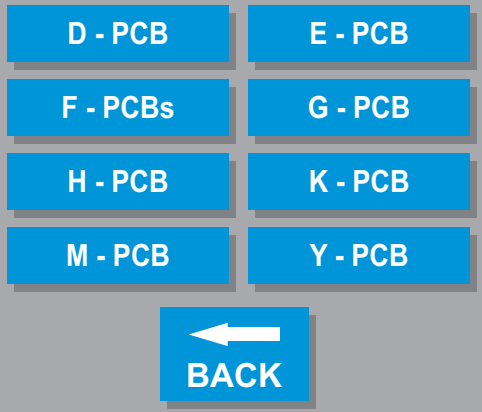
This interface provides a link between the TV and a standard PC to allow a number of diagnostic and control functions to be performed.

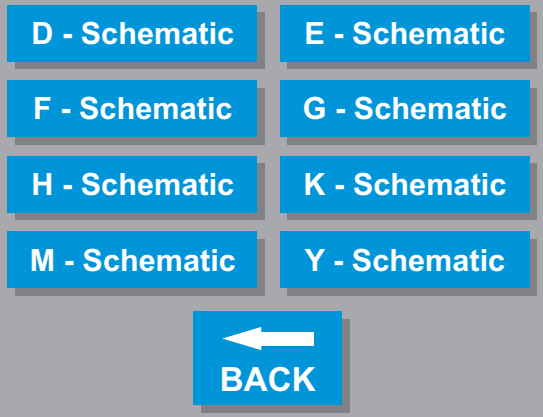
For more details contact your local Panasonic company.

BACK

EXIT


Audio
Control
Power supply
Video
BACK


D - PCB
E - PCB
F - PCBs
G - PCB
H - PCB
K - PCB
M - PCB
Y - PCB
BACK


D - Schematic
E - Schematic
F - Schematic
G - Schematic
H - Schematic
K - Schematic
M - Schematic
Y - Schematic
BACK

ORDER No. SM-98073

Service Manual

Colour Television

TX-W32D4DP

EURO-5 Chassis

SPECIFICATIONS

Power Source:	220-240V a.c., 50Hz	
Power Consumption:	200W	
Aerial Impedance:	75Ω unbalanced, Coaxial Type	
Stand-by Power Consumption:	1,9W	
Receiving System:	PAL I, PAL 525/60 M.NTSC NTSC (AV only)	
Receiving Channels:	UHF E21-E69	
Intermediate Frequency:		
Video	39,5MHz	
Audio	33,5MHz, 32,95MHz	
Colour	35,07MHz	
Video/Audio Terminals:		
AV1 IN	Video (21 pin) Audio (21 pin) RGB (21 pin)	1V p-p 75Ω 500mV rms 10kΩ
AV1 OUT	Video (21 pin) Audio (21 pin)	1V p-p 75Ω 500mV rms 1kΩ
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
AV2 OUT	Video (21 pin) Audio (21 pin) Selectable Output (21 pin)	1V p-p 75Ω 500mV rms 1kΩ
AV3 IN	S-Video IN (4-pin) Audio(RCAx2) Video (RCAx1)	Y: 1V p-p 75Ω C: 0,3V p-p 75Ω 500mV rms10kΩ 1V p-p 75Ω
AV4 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
AV4 OUT	Video (21 pin) Audio (21 pin)	1V p-p 75Ω 500mV rms 1kΩ
Dolby Surround Out (Rear)	6 x Dolby Surround Out RCA	
External Speaker connections	2 x Rear 1 x Centre	
High Voltage:	31kV ±1kV	
Picture Tube:	W76LFC185X05	76cm
Audio Output: (Music Power)	Front Left/Right External Centre 3D Bass Surround 8Ω Impedance	2 x 20W 16W 26W 2 x 16W
Headphones:	8Ω Impedance 3,5 mm	
Accessories supplied :	Remote Control 2 x R6 (UM3) Batteries TS-400DP Video cabinet / Speaker pack	
Dimensions:		
Height:	555 mm	
Width:	862 mm	
Depth:	553 mm	
Net weight:	52kg	

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

NOTE: This Service Manual should be used in conjunction with the EURO-5 Technical Guide.

Panasonic

Panasonic CS (U.K.) Ltd.
WILLOUGHBY ROAD,
BRACKNELL,
BERKS.,
RG12 8FT.

CONTENTS

SAFETY PRECAUTIONS

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 32kV 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, aerials, 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 2kΩ 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 above 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.

X-RADIATION WARNING

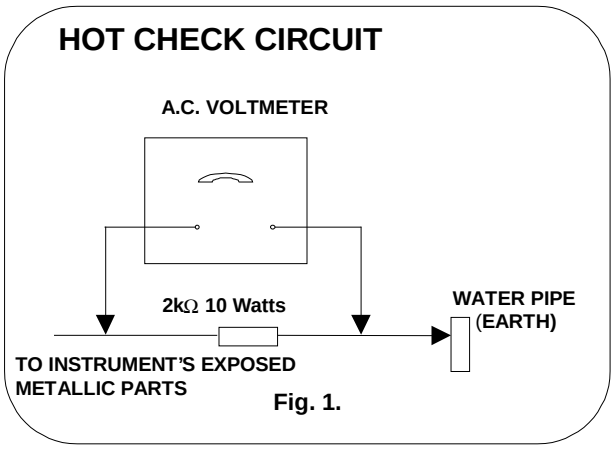


Fig. 1.

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 32kV without causing X-Radiation.

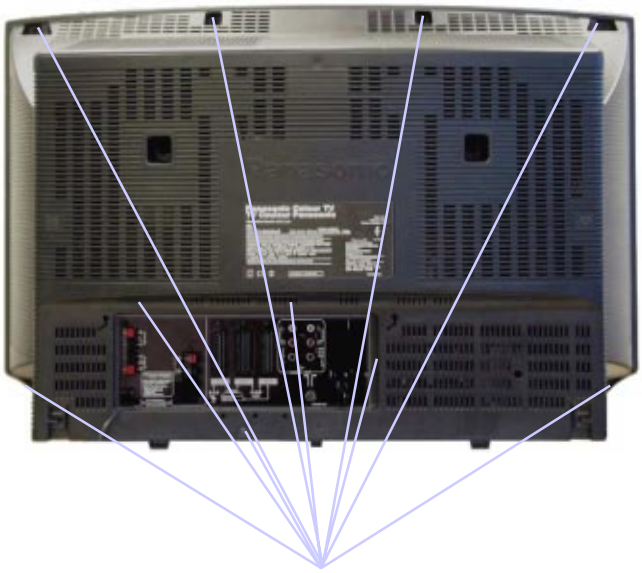
NOTE: It is important to use an accurate periodically calibrated high voltage meter.

1. Set the brightness to minimum.
2. Measure the high voltage. The meter should indicate :- 31kV ± 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 10 screws as shown in **Fig.2.**



SCREWS
Fig.2.

LOCATION OF CONTROLS

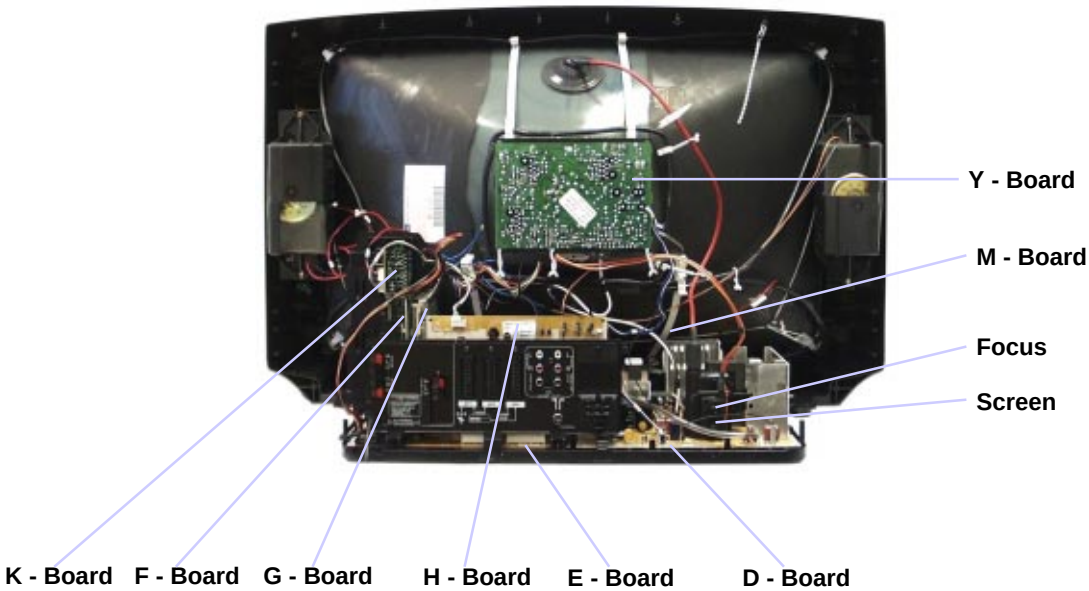


Fig.3.

HOW TO MOVE THE CHASSIS INTO SERVICE POSITION

1. Hold and lift the rear of the E-PCB chassis and gently pull the chassis toward you, as shown in **Fig.4**.
2. Release the respective wiring clips and rotate the chassis vertically through 90°, anti-clockwise.
3. Locate the base of the chassis frame into the hole (**B**), shown in **Fig.6**.
4. Clip the chassis frame onto the bead clamper, shown in **Fig.5**.
5. After servicing replace the bead clamper and ensure all wiring is returned to its original position before returning the receiver to the customer.

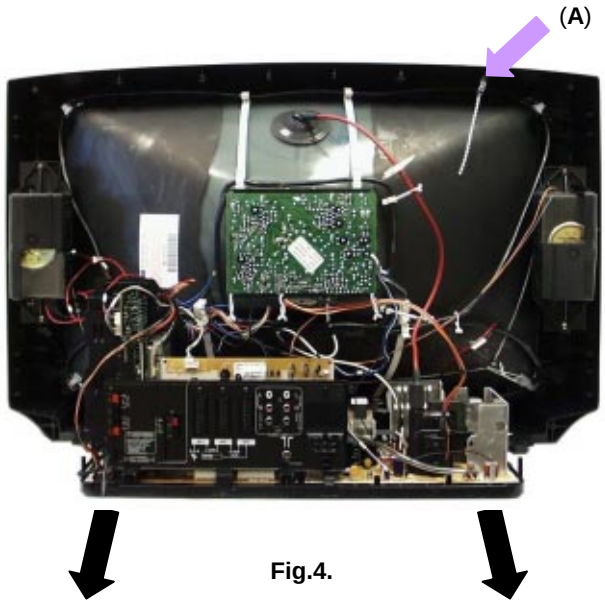


Fig.4.

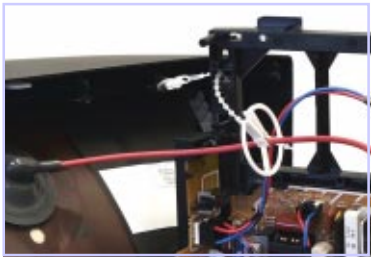


Fig.5.

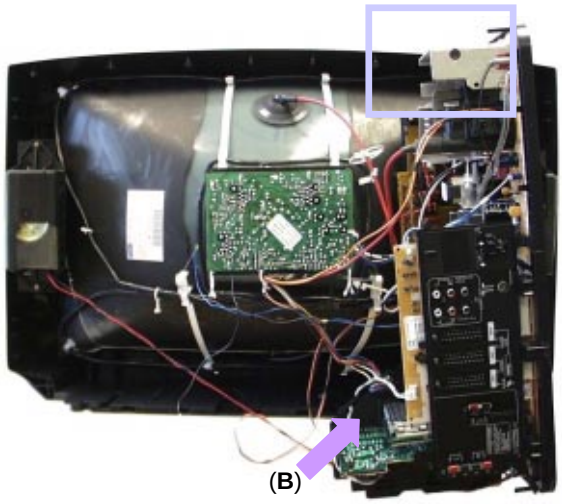


Fig.6.

ADJUSTMENT PROCEDURE

Item / Preparation	Adjustments
+B SET-UP 1. Receive a Greyscale signal. 2. Set the controls :- Brightness Minimum Contrast Minimum Volume Minimum	1. Confirm the following voltages. **D-Board** D3 PIN5 147V ± 3V D12 PIN5 5V ± 0,3V D13 PIN1 40V ± 4V D3 PIN4 230V ± 10V D3 PIN4 205V ± 10V D3 PIN4 190V ± 10V D3 PIN4 190V ± 10V D14 PIN5 5V ± 0,5V D12 PIN7 15V ± 2V D12 PIN9 15V ± 2V D11 PIN8 12V ± 2V D11 PIN10 33V ± 3V **E-Board** U8A E19-PIN8 8V ± 0,5V U9 IC3801-PIN3 9V ± 0,5V U12 E22-PIN8 12V ± 0,5V STD5V E26-PIN4 5V ± 0,5V U15 E23-PIN8 15V ± 1V U15 E23-PIN9 -15V ± 1V U33 E22-PIN10 33V ± 4V U40 E24-PIN1 40V ± 3V U5B E19-PIN5 5V ± 0,5V
Cut Off 1. Receive a Greyscale signal. 2. Degauss the tube externally. 3. Set the TV into Service Mode 1. 4. Select Cut off mode.	Adjust the screen VR until the display shows "O.K."

FACTORY SETTINGS

To return customer settings to factory settings and clear owner ID of all information input by the customer, enter 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. To exit Self Check, switch off the TV set at the power button.

NOTE: Self Check should only be used when refurbishing the TV set and not during normal repair work.

VPC	O.K.	PCB	O.K.
TUN	O.K.	Cab	O.K.
E2	O.K.	Sum	Factory use only
DPL	O.K.		
CIP1	O.K.		
CIP2	O.K.		
VP	O.K.		
DFU	O.K.		
COL	O.K.		
PIP	O.K.		
OPTION 1	B9		
OPTION 2	FD		
OPTION 3	1F		
OPTION 4	0D		
OPTION 5	FB		
OPTION 6	63		

Self Check is also used to automatically check the bus lines and hexadecimal code of the TV set. If the CCU ports have been checked and found to be incorrect or not located then " - - " will appear in place of "O.K.". For more in-depth TV diagnostics use the **LUCI** interface as listed below.

Service Aids

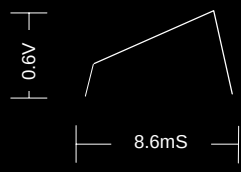
To aid in the service of our current chassis there are a number of Service Aids which have been made available.

- **LUCI** interface kit (**L**inked **U**tility **C**omputer **I**nterface)
  Part number: TZS6EZ002
  This contains interface and cables for connecting TV service connector and a PC as well as diagnostic software. As new models are introduced upgrade software will become available.
- **VICI** (**V**isual **I**nteractive **C**omputer **I**nformation)
  These C.D.'s contain multimedia documentation providing quick access to service information.
  Part No. TZS7EZ006 & TZS7EZ005
  1. Service Manuals
  2. Instruction Books
  3. Technical Information
- **TASMIN** (**T**echnically **A**dvanced **S**ystem for **M**ultimedia **I**nteractive **N**otes)
  As well as providing a first step towards more interactive training this product also achieves quick access to Technical Information.

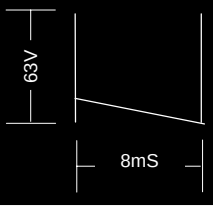
WAVEFORM PATTERN TABLE

NOTE: All waveforms have been taken using a standard colour bar pattern.

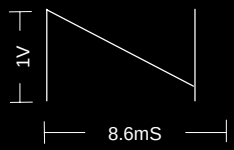
Vert Out
IC601 Pin 1



Vert Drive
IC451 Pin 2

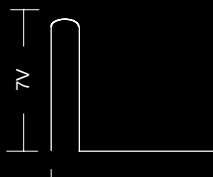


VFLB
IC451 Pin 5

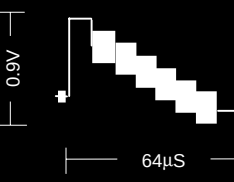


H - Out
IC601 Pin 8

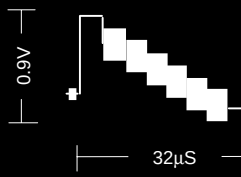
HFLB
IC601 Pin 13



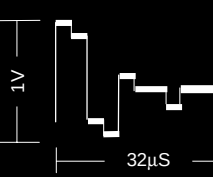
Video In
IC1101 Pin 68



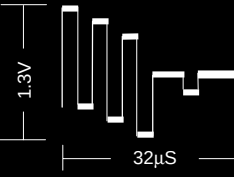
Luminance In
IC601 Pin 28



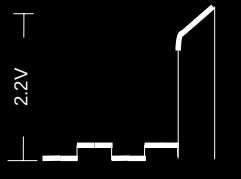
R - Y
IC601 Pin 26



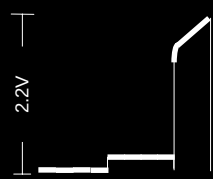
B - Y
IC601 Pin 27



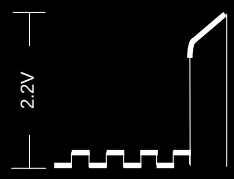
R - Out
IC601 Pin 40



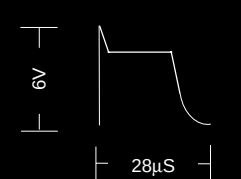
G - Out
IC601 Pin 41



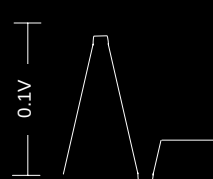
B - Out
IC601 Pin 42



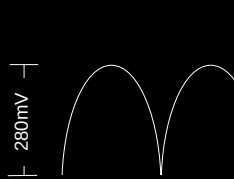
H - Out
IC3901 Pin 3



V - Out
IC3901 Pin 21



E/W - Out
IC601 Pin 3



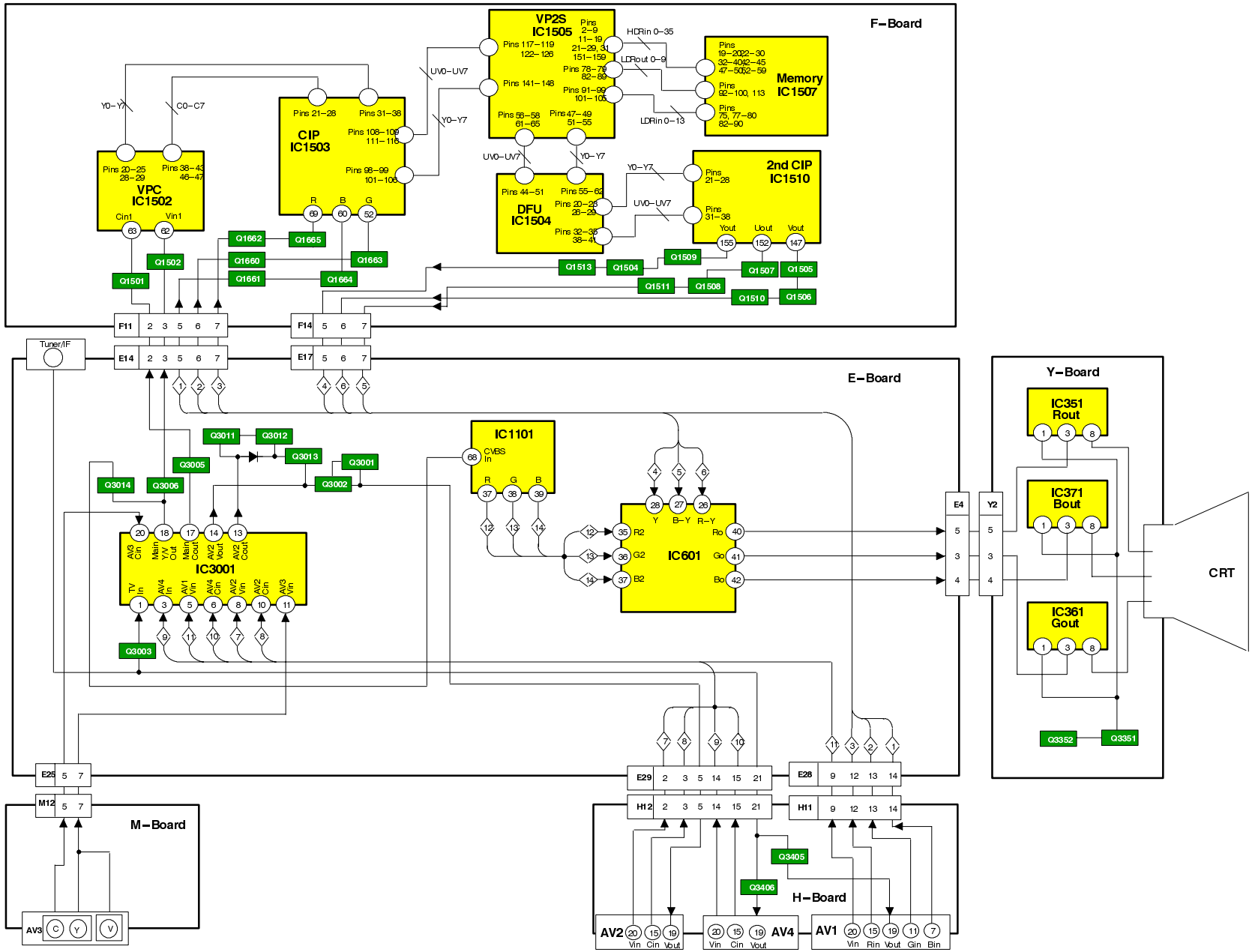
ALIGNMENT SETTINGS:

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

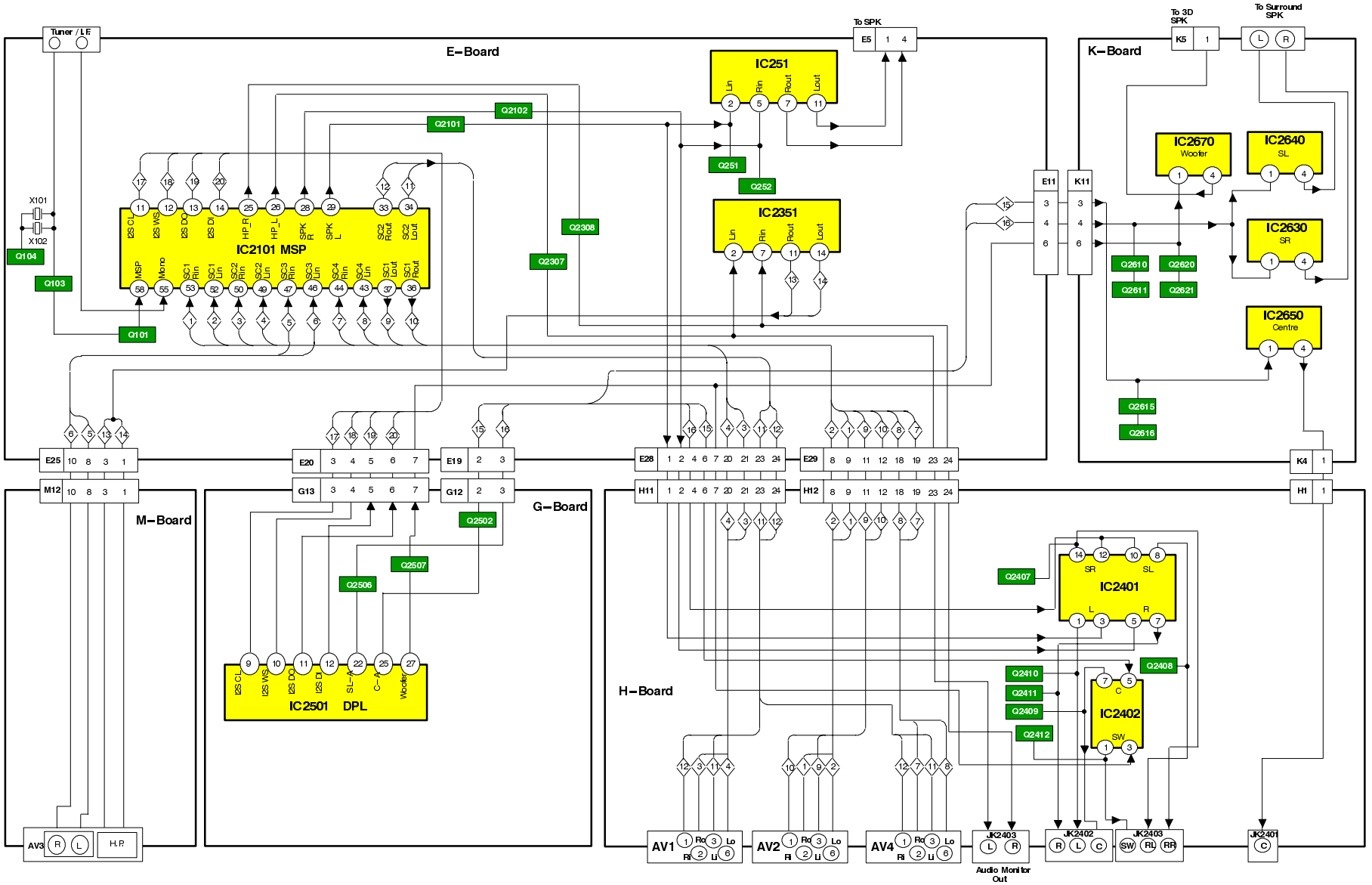
1. Set the Bass to maximum position, set the Treble to minimum position, press the down button **(- / v)** on the customer controls at the front of the TV and at the same time press the **INDEX** button on the remote control, this will place the TV into the Service Mode.
2. Press the **RED / GREEN** 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 +020	Optimum setting.
Vertical Position	V-Pos +024	Optimum setting.
Horizontal Amplitude	H-Amp +049	Optimum setting.
Vert. Amplitude	V-Amp +029	Optimum setting.
EW-amplitude	E/W-Amp1 +022	Optimum setting.
EW-amplitude	E/W-Amp2 +000	Optimum setting.
Trapezium-comp	Trapez-1 +033	Optimum setting.
Horizontal-Parallel	H-Parallel +032	Optimum setting.
Vertical Linearity	V-Lin +004	Optimum setting.
DVCO	DVCO 000	Receive a PAL Colour Bar Pattern. For DVCO alignment press **"Blue"** button, wait until the colours are stable and press **"STR".**
Cut-off DC	Cut-off O.K.	To adjust Cutoff adjust the screen VR until the display shows "O.K."
Highlight	High 0031 0031 0031	Contrast Maximum A.I. Off Optimum setting.
Sub-Brightness	Sub-Brightness 000	Optimum setting.

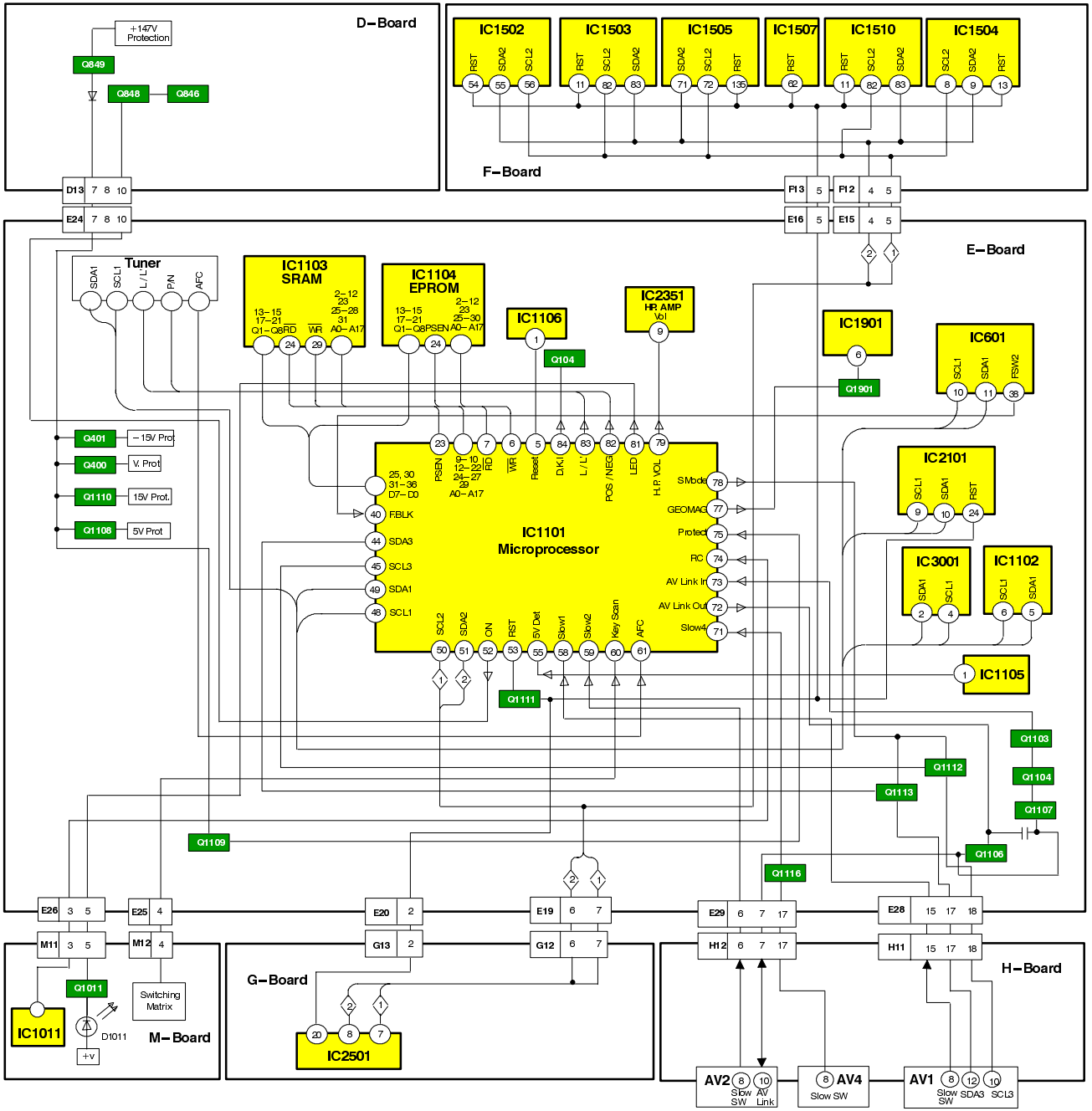
VIDEO BLOCK DIAGRAM



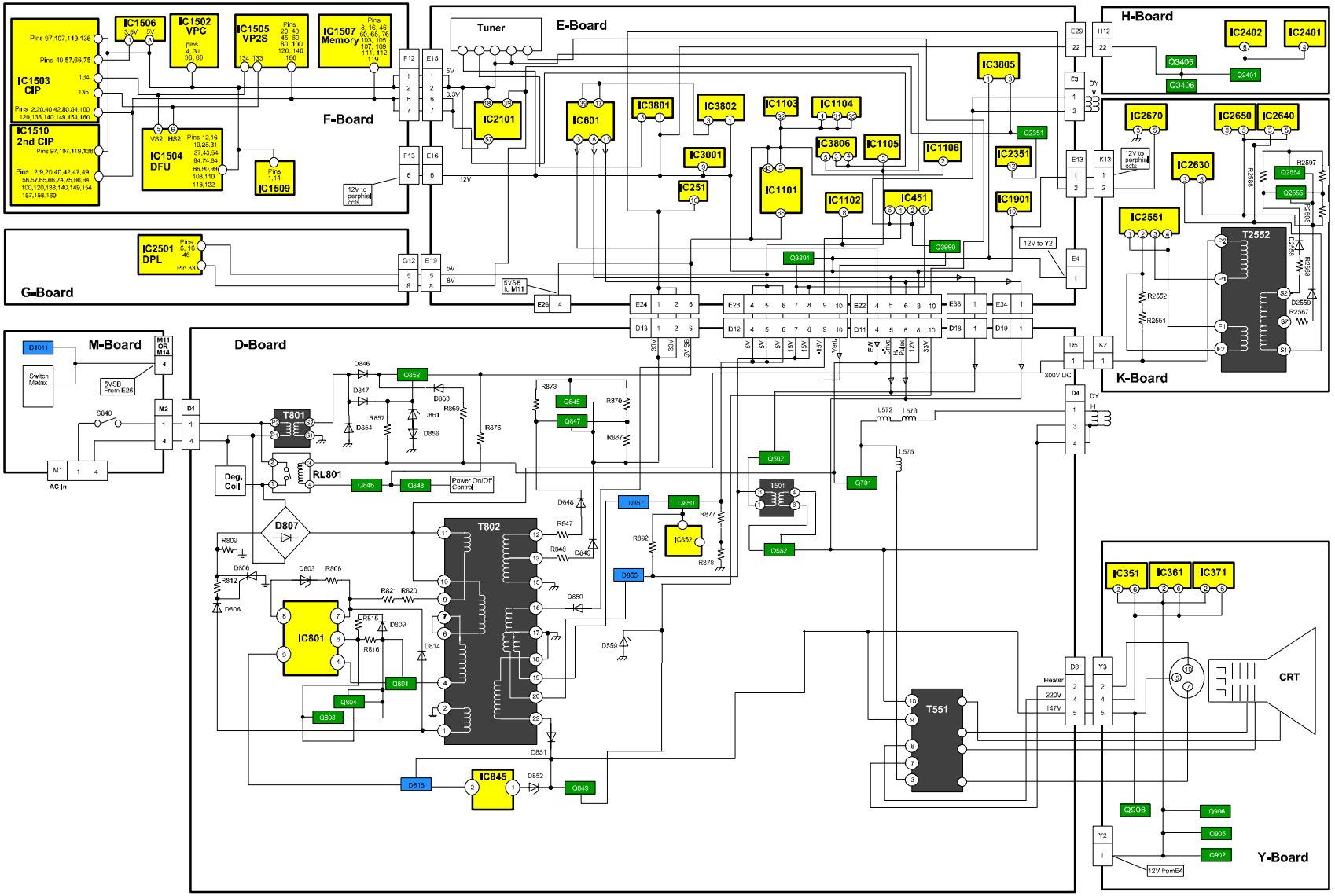
AUDIO BLOCK DIAGRAM



CONTROL BLOCK DIAGRAM

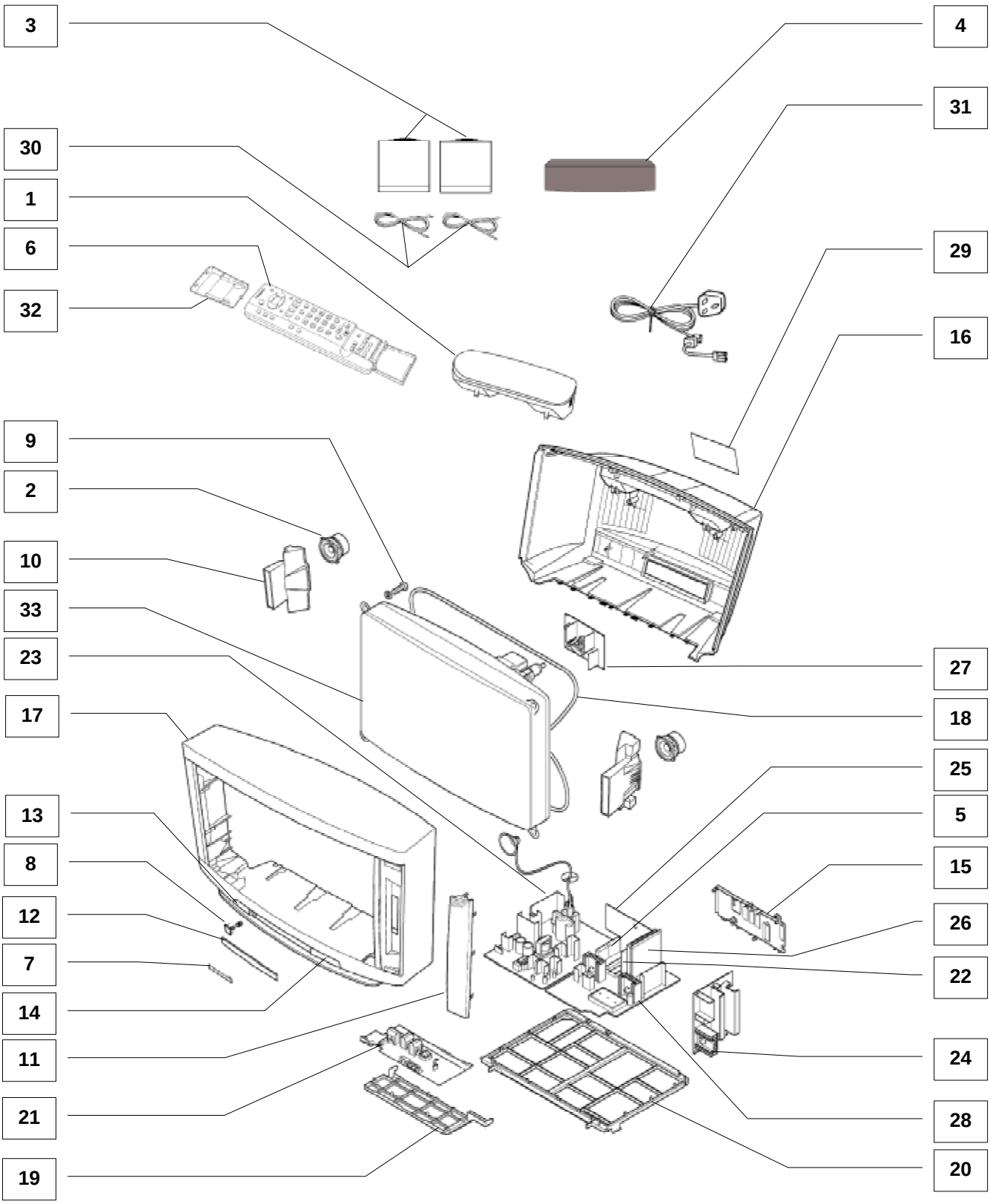


POWER SUPPLY & DEFLECTION BLOCK DIAGRAM



PARTS LOCATION

NOTE:
The numbers on the exploded view below refer to the mechanical 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	
MECHANICAL PARTS			
1	EAB10102B2	3D WOOFER SPEAKER	
2	EAGG1218J2	SPEAKER	
3	EAS8E002-A	REAR SPEAKER COMPLETE	
4	EAS8E050-B	CENTRE SPEAKER	
5	ENG27501G	TUNER	⚠
6	EUR511211	REMOTE CONTROL	
7	TBM8E1728	PANASONIC BADGE	
8	TBX8E033	POWER BUTTON	
9	TKK8E026	SPEAKER REFLECTOR	
10	TKP8E1148	SPEAKER NET	
11	TKP8E1149	DOOR LID	
12	TKP8E1167	LEFT PANEL	
13	TKP8E1250	RIGHT PANEL	
14	TKP8E1252-2	REAR AV PANEL	
15	TKU8E00290	BACK COVER	⚠
16	TKY8E110	CABINET	⚠
17	TLK8E05123	DEGAUSS COIL	⚠
18	TMW8E023	CONTROL BRACKET	
19	TMX8E027	CHASSIS FRAME	
20	TNP8EM016AA	M P.C.B.	⚠
21	TNPA0877AC	G P.C.B.	⚠
22	TNPA1014AJ	D P.C.B.	⚠
23	TNPA1046AC	K P.C.B.	⚠
24	TNPA1047AB	H P.C.B.	⚠
25	TNPA1068AC	F P.C.B.	⚠
26	TNPA1353AE	Y P.C.B.	⚠
27	TNPH0176AR	E P.C.B.	⚠
28	TQF8E2758	MODEL LABEL	⚠
29	TSX8E0015S	DOLBY SPEAKER WIRE 12M	⚠
30	TSX8E0025	POWER CORD	⚠
31	UR51EC904A	BATTERY COVER (REMOTE)	
32	W76LFC185X05	C.R.T.	⚠
MISCELLANEOUS COMPONENTS			
	832AG11D-ESL	IC SOCKET	
	PLCC-84-T	84 PIN IC SOCKET	
	TBM8E1532-2	PRESET PANEL	
	TBM8E1864-2	REAR AV LABEL	
	TEK6940	LID CATCH	
	THT1062	SCREW	
	TLK8E05124	GEOMAGNETIC COIL	⚠
	TMW8E017	LED HOLDER	
	TMX8E025	P.C.B. BRACKET	
	TPC8E4729	OUTER CARTON	
	TPD8E621	TOP CUSHION	
	TPD8E622	BOTTOM CUSHION	
	TS-400DP	TV STAND	
	UM-3DJ-2P	BATTERY PACK	
	ZTBZAD550A	ANODE CABLE	
RL801	TSE1885-1	RELAY	
R805	232266296706	THERMISTOR	⚠
SOK1	31221212478	FIX CLIP	
SOD9	31221212478	FIX CLIP	
SOD1	31221212478	FIX CLIP	
SOK6	TESA031	FIXING SPRING	
INSTRUCTION BOOKS			
	TQB8E2678	ENGLISH	⚠
I.C.s			
IC251	LA4282	AUDIO OUTPUT	
IC351	TDA6111Q-N4	RGB OUTPUT	
IC361	TDA6111Q-N4	RGB OUTPUT	
IC371	TDA6111Q-N4	RGB OUTPUT	
IC381	TL431ACLPM	REGULATOR	
IC451	LA7845N	VERTICAL OUTPUT	
IC601	TDA9330HN1G	VIDEO PROCESSOR	
IC801	AN8029	POWER SUPPLY	
IC845	SE140N	ERROR AMPLIFER	
IC852	TL431ACLPM	REGULATOR	
IC1011	RPM-637CBRS1	LED RECEIVER	
IC1101	SDA5450C48-1	MICRO PROCESSOR	
IC1102	X24C0502MA	EAROM *	
IC1103	M5M51008BP	SRAM	
IC1104	27C2001-J01	EPROM *	
IC1105	MN1381-T(TA)	RESET	
IC1106	MN1381-R(TA)	RESET	
IC1502	VPC3215CB4TP	VPC	
IC1503	MB87F1720	CIP	
IC1504	FJB007S	DFU	
IC1505	MB87F2131	VP2S	
IC1506	AN77L035M-E1	3.5V REGULATOR	
IC1507	MB87H2010	MEMORY	
IC1509	TLC2932IPWL	CLOCK CONVERTOR	
IC1510	MB87F1720	CIP	
IC1901	LA6515	EARTH CORRECTION	
IC2101	MSP3410DPPB4	AUDIO PROCESSOR	
IC2351	AN7108	H.P. AMPLIFIER	
IC2401	AN6554NSF-E2	OPERATIONAL AMPLIFIER	
IC2402	BA15218F-E2	AMPLIFIER	
IC2501	DPL3519APOA1	DOLBY PROCESSOR	
IC2551	STR10006-S	POWER SUPPLY	
IC2630	TDA2030AV	AUDIO AMPLIFIER	
IC2640	TDA2030AV	AUDIO AMPLIFIER	
IC2650	TDA2030AV	AUDIO AMPLIFIER	
IC2670	TDA2030AV	AUDIO AMPLIFIER	
IC3001	TEA6415C	VIDEO SWITCH	
IC3801	AN7809FLB	9V REGULATOR	
IC3802	AN7708FLB	8V REGULATOR	
IC3805	AN7808LB	8V REGULATOR	
IC3806	SI-3033C	3.5V REGULATOR	
FUSES			
F840	XBA2C50TH15	FUSE	⚠
F845	TR5-T3150	FUSE	⚠
F846	TR5-T1250	FUSE	⚠
F8401	EYF52BC	FUSE HOLDER	

Cct Ref	Parts Number	Description
F8402	EYF52BC	FUSE HOLDER
DIODES		
D252	MA165TA5	DIODE
D253	MA700TA5	DIODE
D254	MA700TA5	DIODE
D255	MA165TA5	DIODE
D256	MA165TA5	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
D387	MA2160LFS	DIODE
D400	MA4104	DIODE
D401	MA165TA5	DIODE
D402	MA165TA5	DIODE
D404	EU02AV1	DIODE
D405	MA165TA5	DIODE
D408	MA165TA5	DIODE
D502	1SS254T-77	DIODE
D503	EU02	DIODE
D504	EU02	DIODE
D505	ERA81004V3	DIODE
D556	AU02V0	DIODE
D559	MTZJT-7736A	DIODE
D560	1SS252T-77	DIODE
D561	1SS254T-77	DIODE
D563	RH3GLF102	DIODE
D565	MTZJT-7736A	DIODE
D566	MA165TA5	DIODE
D571	FMV-3GULF730	DIODE
D575	1SS252T-77	DIODE
D601	MA29TA5	DIODE
D603	MA4075	DIODE
D605	MA4062	DIODE
D607	MA165TA5	DIODE
D610	MA4043	DIODE
D611	MA165TA5	DIODE
D612	MA165TA5	DIODE
D615	MA165TA5	DIODE
D616	MA178TA5	DIODE
D617	MTZJT-779.1C	DIODE
D618	MTZJT-779.1C	DIODE
D620	MA165TA5	DIODE
D651	MA165TA5	DIODE
D701	AU02V0	DIODE
D803	MTZJT-7712C	DIODE
D806	TF361MALF3	DIODE
D807	RBV-608LF-B	DIODE
D808	MA165TA5	DIODE
D809	ERA22-02V3	DIODE
D810	MA2180BLFS	DIODE
D812	MTZJT-775.6B	DIODE
D813	MA700TA5	DIODE
D814	AU01ZV0	DIODE
D815	PC123FY2	DIODE
D817	D5L60F4015	DIODE
D818	TMPG10G3	DIODE
D819	ERA81004V3	DIODE
D820	MA4100	DIODE
D821	EU02AV0	DIODE
D845	MA165TA5	DIODE
D846	EK04V0	DIODE
D847	ERA15-01V3	DIODE
D848	EU02	DIODE

Cct Ref	Parts Number	Description
D849	FMGG26S	DIODE
D850	ERB32-02E	DIODE
D851	FMGG2CSLF116	DIODE
D852	MA4062	DIODE
D853	1N4150T-77	DIODE
D854	ERA15-01V3	DIODE
D855	D10SC6MRL	DIODE
D856	MA165TA5	DIODE
D857	FML22SLF610	DIODE
D860	1SS254T-77	DIODE
D861	MTZJT-775.1C	DIODE
D901	1SS254T-77	DIODE
D902	1SS254T-77	DIODE
D903	1SS254T-77	DIODE
D910	R2KNV	DIODE
D1011	LN81RPHL	DIODE
D1102	MA4051	DIODE
D1103	MA4051	DIODE
D1104	MA165TA5	DIODE
D1105	MA165TA5	DIODE
D1107	MA165TA5	DIODE
D1109	MA165TA5	DIODE
D1110	MA165TA5	DIODE
D1112	MA165TA5	DIODE
D1501	MA151ATX	DIODE
D2101	MTZJT-7712C	DIODE
D2102	MTZJT-7712C	DIODE
D2351	MTZJT-775.6B	DIODE
D2401	MA165TA5	DIODE
D2403	MTZJT-7712C	DIODE
D2404	MTZJT-7712C	DIODE
D2405	MTZJT-7712C	DIODE
D2406	MTZJT-7712C	DIODE
D2407	MTZJT-7712C	DIODE
D2408	MTZJT-7712C	DIODE
D2551	D5L60F4015	DIODE
D2552	TVSEH1V0	DIODE
D2553	MTZJT-778.2A	DIODE
D2554	EU02	DIODE
D2555	EU02	DIODE
D2556	EG01CV0	DIODE
D2558	EU02	DIODE
D2559	RU4AMLF-M1	DIODE
D2611	MA165TA5	DIODE
D2616	MA165TA5	DIODE
D2619	MA165TA5	DIODE
D2621	MA165TA5	DIODE
D2622	MA165TA5	DIODE
D2623	MA165TA5	DIODE
D2630	MA165TA5	DIODE
D2631	MA165TA5	DIODE
D2640	MA165TA5	DIODE
D2641	MA165TA5	DIODE
D2650	MA165TA5	DIODE
D2651	MA165TA5	DIODE
D2670	MA165TA5	DIODE
D2671	MA165TA5	DIODE
D2672	MA165TA5	DIODE
D3006	MA4100	DIODE
D3008	MA723TA5	DIODE
D3009	MA170	DIODE
D3011	MA858TA5	DIODE
D3351	1SS254T-77	DIODE
D3352	MA165TA5	DIODE
D3353	MA165TA5	DIODE
D3354	MA165TA5	DIODE

Cct Ref	Parts Number	Description
D3401	MTZJT-7712C	DIODE
D3402	MTZJT-7712C	DIODE
D3803	MA4043	DIODE
D3804	MTZJT-778.2A	DIODE
D3805	ERA81004V3	DIODE
D3990	MTZJT-7724D	DIODE
TRANSISTORS		
Q101	BC847B	TRANSISTOR
Q103	BC847B	TRANSISTOR
Q104	BC847B	TRANSISTOR
Q251	2SD1328STX	TRANSISTOR
Q252	2SD1328STX	TRANSISTOR
Q253	BC847B	TRANSISTOR
Q254	BC857B	TRANSISTOR
Q400	BC847B	TRANSISTOR
Q401	BC847B	TRANSISTOR
Q502	2SC2925STA	TRANSISTOR
Q552	2SC5144LB230	TRANSISTOR
Q553	2SC1473-RN	TRANSISTOR
Q554	2SC1473-RN	TRANSISTOR
Q601	BC857B	TRANSISTOR
Q602	BC857B	TRANSISTOR
Q603	BC857B	TRANSISTOR
Q604	BC857B	TRANSISTOR
Q607	BC857B	TRANSISTOR
Q608	BC857B	TRANSISTOR
Q701	2SK2538000LB	TRANSISTOR
Q801	2SK1365LB106	TRANSISTOR
Q803	2SD965-R	TRANSISTOR
Q804	2SA719-TA	TRANSISTOR
Q845	2SA684R	TRANSISTOR
Q846	BC547B	TRANSISTOR
Q847	BC557B	TRANSISTOR
Q848	BC547B	TRANSISTOR
Q849	2SA1018QTA	TRANSISTOR
Q850	2SD1474PLB	TRANSISTOR
Q852	2SC1318-S	TRANSISTOR
Q853	BC557C/126	TRANSISTOR
Q854	BC557C/126	TRANSISTOR
Q902	BC847B	TRANSISTOR
Q903	BC847B	TRANSISTOR
Q904	BC857B	TRANSISTOR
Q905	BC847B	TRANSISTOR
Q906	BC847B	TRANSISTOR
Q907	BC857B	TRANSISTOR
Q908	2SA1535ARLB	TRANSISTOR
Q909	2SC3944ARLB	TRANSISTOR
Q1011	BC557B	TRANSISTOR
Q1103	BC847B	TRANSISTOR
Q1104	BC847B	TRANSISTOR
Q1105	BC847B	TRANSISTOR
Q1106	BC847B	TRANSISTOR
Q1107	BC847B	TRANSISTOR
Q1108	BC847B	TRANSISTOR
Q1109	BC847B	TRANSISTOR
Q1110	BC847B	TRANSISTOR
Q1111	BC847B	TRANSISTOR
Q1112	BC847B	TRANSISTOR
Q1113	BC847B	TRANSISTOR
Q1116	BC847B	TRANSISTOR
Q1118	BC857B	TRANSISTOR
Q1501	BC857B	TRANSISTOR
Q1502	BC857B	TRANSISTOR
Q1503	BC847B	TRANSISTOR
Q1504	BC847B	TRANSISTOR
Q1505	BC847B	TRANSISTOR

Cct Ref	Parts Number	Description
Q1506	BC847B	TRANSISTOR
Q1507	BC847B	TRANSISTOR
Q1508	BC847B	TRANSISTOR
Q1509	BC847B	TRANSISTOR
Q1510	BC847B	TRANSISTOR
Q1511	BC847B	TRANSISTOR
Q1513	BC857B	TRANSISTOR
Q1660	BC847B	TRANSISTOR
Q1661	BC847B	TRANSISTOR
Q1662	BC847B	TRANSISTOR
Q1663	BC847B	TRANSISTOR
Q1664	BC847B	TRANSISTOR
Q1665	BC847B	TRANSISTOR
Q1666	BC847B	TRANSISTOR
Q1667	BC847B	TRANSISTOR
Q1901	BC847B	TRANSISTOR
Q2101	BC860B	TRANSISTOR
Q2102	BC860B	TRANSISTOR
Q2301	BC847B	TRANSISTOR
Q2302	BC847B	TRANSISTOR
Q2305	BC857B	TRANSISTOR
Q2307	BC860B	TRANSISTOR
Q2308	BC860B	TRANSISTOR
Q2351	BC847B	TRANSISTOR
Q2352	BC847B	TRANSISTOR
Q2401	BC847B	TRANSISTOR
Q2407	BC847B	TRANSISTOR
Q2408	BC847B	TRANSISTOR
Q2409	BC847B	TRANSISTOR
Q2410	BC847B	TRANSISTOR
Q2411	BC847B	TRANSISTOR
Q2412	2SD1328STX	TRANSISTOR
Q2502	BC857B	TRANSISTOR
Q2506	BC857B	TRANSISTOR
Q2507	BC857B	TRANSISTOR
Q2554	2SA684R	TRANSISTOR
Q2555	BC557B	TRANSISTOR
Q2610	2SD1328STX	TRANSISTOR
Q2611	BC857B	TRANSISTOR
Q2615	2SD1328STX	TRANSISTOR
Q2616	BC857B	TRANSISTOR
Q2620	2SD1328STX	TRANSISTOR
Q2621	BC857B	TRANSISTOR
Q3001	BC857B	TRANSISTOR
Q3002	BC847B	TRANSISTOR
Q3003	BC847B	TRANSISTOR
Q3005	BC847B	TRANSISTOR
Q3006	BC847B	TRANSISTOR
Q3010	BC857B	TRANSISTOR
Q3011	BC857B	TRANSISTOR
Q3012	BC847B	TRANSISTOR
Q3013	BC847B	TRANSISTOR
Q3014	BC847B	TRANSISTOR
Q3351	BC847B	TRANSISTOR
Q3352	BC857B	TRANSISTOR
Q3401	BC847B	TRANSISTOR
Q3402	BC847B	TRANSISTOR
Q3403	BC847B	TRANSISTOR
Q3404	BC847B	TRANSISTOR
Q3405	BC847B	TRANSISTOR
Q3406	BC847B	TRANSISTOR
Q3801	2SD1474PLB	TRANSISTOR
Q3990	BC847B	TRANSISTOR
TRANSFORMERS		
T501	ETH19Y187AY	TRANSFORMER ⚠
T551	ZTFM05001A	F.B.T. ⚠

Cct Ref	Parts Number	Description
T801	ETP35KAN619U	TRANSFORMER
T802	ETS49AH1W7AD	TRANSFORMER
T2552	ETS35AA457AD	TRANSFORMER
COILS		
L002	EXCELDR35V	COIL
L003	EXCELDR35V	COIL
L004	EXCELSA35T	COIL
L005	TLT100K991R	COIL
L007	EXCELDR35V	COIL
L008	ELJFC2R2KF	COIL
L009	ELJFC2R2KF	COIL
L251	EXCELSA35T	COIL
L252	EXCELSA35T	COIL
L253	EXCELSA35T	COIL
L254	EXCELSA35T	COIL
L351	SDL5000	DELAY LINE
L353	TLT150K991R	COIL
L361	SDL5000	DELAY LINE
L363	TLT150K991R	COIL
L371	SDL5000	DELAY LINE
L373	TLT150K991R	COIL
L381	TLT220K991R	COIL
L501	ELELN101KA	COIL
L554	EXCELDR35V	COIL
L556	EXCELDR35C	COIL
L572	ELHKLB025B	COIL
L573	ELHKLB028B	COIL
L575	ELC18B331E	COIL
L601	EXCELDR35V	COIL
L602	EXCELDR35V	COIL
L603	TLT033K991R	COIL
L604	ELEXT2R7KA	COIL
L605	ELEXT2R7KA	COIL
L606	ELEXT2R7KA	COIL
L607	ELEXT2R7KA	COIL
L701	ELC18B801L	COIL
L806	EXCELSA39V	COIL
L808	EXCELSA39V	COIL
L809	EXCELDR35C	COIL
L810	EXCELSA39V	COIL
L811	EXCELSA39V	COIL
L812	EXCELDR35V	COIL
L813	EXCELDR35V	COIL
L817	EXCELDR35V	COIL
L819	EXCELSA39V	COIL
L842	ELF18D486D	COIL
L843	ELF18D486D	COIL
L845	EXCELSA35T	COIL
L847	EXCELSA35B	COIL
L849	EXCELSA35T	COIL
L850	EXCELDR35V	COIL
L854	ELEIE150KA	COIL
L859	EXCELSA35T	COIL
L860	EXCELSA35T	COIL
L861	EXCELSA35T	COIL
L910	EXCELSA35T	COIL
L911	EXCELSA35T	COIL
L912	EXCELSA35T	COIL
L1101	EXCELDR35V	COIL
L1103	TLT047K991R	COIL
L1104	EXCELDR35V	COIL
L1105	EXCELDR35V	COIL
L1106	TLT047K991R	COIL
L1507	TLT018K991R	COIL
L1508	TLT033K991R	COIL
L1509	EXCELDR35V	COIL

Cct Ref	Parts Number	Description
L1510	EXCELDR35V	COIL
L1511	TLT018K991R	COIL
L1516	EXCELDR35V	COIL
L1519	EXCEMT103DTM	COIL
L1523	EXCEMT103DTM	COIL
L1525	EXCEMT103DTM	COIL
L1527	EXCEMT103DTM	COIL
L1528	EXCELDR35V	COIL
L1529	EXCELDR35V	COIL
L1532	EXCELDR35V	COIL
L1533	EXCELDR35V	COIL
L1534	EXCELDR35V	COIL
L1535	EXCELDR35V	COIL
L1536	EXCELDR35V	COIL
L1537	TLT100K991R	COIL
L1538	TLT018K991R	COIL
L1539	TLT033K991R	COIL
L1540	TLT018K991R	COIL
L1541	TLT033K991R	COIL
L1542	TLT018K991R	COIL
L1543	TLT033K991R	COIL
L1901	EXCELDR25V	COIL
L2101	TLT100K991R	COIL
L2102	TLT039K991R	COIL
L2103	TLT100K991R	COIL
L2104	EXCELDR35V	COIL
L2106	TLT068K991R	COIL
L2381	EXCELSA35T	COIL
L2382	EXCELSA35T	COIL
L2409	EXCELSA35T	COIL
L2410	EXCELSA35T	COIL
L2411	EXCELSA35T	COIL
L2412	EXCELSA35T	COIL
L2413	EXCELSA35T	COIL
L2414	EXCELSA35T	COIL
L2502	EXCELDR35V	COIL
L2503	EXCELDR35V	COIL
L2504	EXCELDR35V	COIL
L2505	EXCEMT103DTM	COIL
L2506	EXCEMT103DTM	COIL
L2551	EXCELSA35T	COIL
L2552	EXCELSA35T	COIL
L2553	EXCELSA35T	COIL
L2555	EXCELSA35T	COIL
L2556	EXCELSA35T	COIL
L2560	EXCELSA35T	COIL
L2561	EXCELSA35T	COIL
L2670	5770206400	COIL
L2671	5770206400	COIL
L3001	TLT100K991R	COIL
L3205	EXCELDR35V	COIL
L3281	EXCELSA35T	COIL
L3282	EXCELSA35T	COIL
L3401	TLT015K991R	COIL
L3402	TLT015K991R	COIL
L3403	TLT015K991R	COIL
L3404	TLT015K991R	COIL
L3405	TLT015K991R	COIL
L3406	TLT015K991R	COIL
L3407	TLT015K991R	COIL
L3408	TLT015K991R	COIL
L3409	TLT100K991R	COIL
L3410	TLT015K991R	COIL
L3411	TLT015K991R	COIL
L3412	TLT015K991R	COIL
L3413	TLT015K991R	COIL

Cct Ref	Parts Number	Description			
L3801	EXCELDR35V	COIL			
FILTERS					
L807	ELF18D850C	LINE FILTER			
T803	ETQ24K37AY	LINE FILTER			
X102	EFCT7004BF	CERAMIC FILTER			
CRYSTALS					
X601	TSSA010	CRYSTAL			
X1101	TSSA121	CRYSTAL			
X1501	TSS2169-B	CRYSTAL			
X2101	4730007158	CRYSTAL			
X2501	4730007158	CRYSTAL			
RESISTORS					
	ERC12GK825	SOLID	0.5W	10%	8M2 Ω
	ERD25TC0T	CARBON	0.25W	5%	0 Ω
C3827	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 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
JA2	ERJ8GEY0R00	S.M.CARB	.125W	5%	0 Ω
JA3	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA3	ERJ8GEY0R00	S.M.CARB	.125W	5%	0 Ω
JA4	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA4	ERJ8GEY0R00	S.M.CARB	.125W	5%	0 Ω
JA5	ERJ8GEY0R00	S.M.CARB	.125W	5%	0 Ω
JA6	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA6	ERJ8GEY0R00	S.M.CARB	.125W	5%	0 Ω
JA7	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA7	ERJ8GEY0R00	S.M.CARB	.125W	5%	0 Ω
JA8	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA8	ERJ8GEY0R00	S.M.CARB	.125W	5%	0 Ω
JA9	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA10	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA11	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA12	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA13	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
JA16	ERJ8GEY0R00	S.M.CARB	.125W	5%	0 Ω
JA18	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA19	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA20	ERJ8GEY0R00	S.M.CARB	.125W	5%	0 Ω
JA21	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA23	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA24	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA26	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA27	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA29	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA30	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA31	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA33	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA35	ERJ8GEY0R00	S.M.CARB	.125W	5%	0 Ω
JA36	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA37	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JC1	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSE045	ERD25TJ2R2	CARBON	0.25W	5%	2R2 Ω
JSF001	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSE044	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSE032	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSE026	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSE025	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSE012	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF007	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSE011	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSE004	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSE024	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω

Cct Ref	Parts Number	Description			
JSG14	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF034	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF037	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF039	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF041	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF042	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF005	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSG10	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF028	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSG9	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSH002	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSH009	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSK021	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSY03	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSY04	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF043	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF022	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF018	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF009	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF010	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF013	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF015	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF017	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF032	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF021	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF029	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF023	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF024	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF025	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF026	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF027	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF006	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF019	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF020	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R001	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω
R002	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R003	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R101	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560 Ω
R102	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R103	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56K Ω
R104	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R105	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3 Ω
R106	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820 Ω
R107	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R109	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R110	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω
R111	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω
R251	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120 Ω
R252	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R253	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R254	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120 Ω
R255	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R256	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680 Ω
R257	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R258	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R259	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R260	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R261	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680 Ω
R262	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R263	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω
R264	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K Ω
R265	ERDS1TJ2R2	CARBON	0.5W	5%	2R2 Ω
R266	ERDS1TJ2R2	CARBON	0.5W	5%	2R2 Ω
R269	ERJ6GEYJ273	S.M.CARB	0.1W	5%	27K Ω
R270	ERJ6GEYJ273	S.M.CARB	0.1W	5%	27K Ω
R271	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7 Ω

Cct Ref	Parts Number	Description			
R272	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K
R273	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330
R274	ERJ6GEYJ150	S.M.CARB	0.1W	5%	15
R275	ERJ6GEYJ150	S.M.CARB	0.1W	5%	15
R276	ERDS1TJ2R2	CARBON	0.5W	5%	2R2
R350	ERQ12AJ151P	FUSIBLE	0.5W	5%	150
R351	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K
R352	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K
R354	ERO25CKF4122	METAL	0.25W	5%	1K2
R355	ERG2FG823H	METAL	2W	5%	82K
R356	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180
R357	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2
R358	ERC12GK821C	SOLID	0.5W	5%	820
R360	ERO50PKF8251	METAL	0.5W	5%	8M2
R361	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K
R362	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K
R364	ERO25CKF4122	METAL	0.25W	5%	1K2
R365	ERG2FG823H	METAL	2W	5%	82K
R366	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180
R367	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2
R368	ERC12GK821C	SOLID	0.5W	5%	820
R369	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0
R370	ERQ1CJP1R0	FUSIBLE	1W	5%	1
R371	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K
R372	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K
R374	ERO25CKF4122	METAL	0.25W	5%	1K2
R375	ERG2FG823H	METAL	2W	5%	82K
R376	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180
R377	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2
R378	ERC12GK821C	SOLID	0.5W	5%	820
R379	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0
R383	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0
R394	ERJ6ENF7500	S.M.CARB	0.1W	5%	75
R395	ERJ6ENF5900	S.M.CARB	0.1W	5%	90
R396	ERJ6ENF7500	S.M.CARB	0.1W	5%	75
R397	ERJ6ENF5900	S.M.CARB	0.1W	5%	90
R398	ERJ6ENF7500	S.M.CARB	0.1W	5%	75
R399	ERJ6ENF5900	S.M.CARB	0.1W	5%	90
R401	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7
R402	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8
R403	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K
R404	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K
R416	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8
R418	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8
R419	ERG3FJ471	METAL	3W	5%	470
R420	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56K
R421	ERJ6GEYJ224	S.M.CARB	0.1W	5%	220K
R441	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39K
R442	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12K
R451	ERDS1TJ3R3	CARBON	0.5W	5%	3R3
R452	ERDS1TJ3R3	CARBON	0.5W	5%	3R3
R453	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39K
R454	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12K
R457	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8
R458	ERJ6GEYJ302	S.M.CARB	0.1W	5%	3K
R470	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8
R471	ERDS1FJ1R0	CARBON	0.5W	5%	1
R504	ERD25TJ271	CARBON	0.25W	5%	270
R505	ERG3FJ390H	METAL	3W	5%	39
R506	ERDS1TJ681	CARBON	0.5W	5%	680
R507	ERDS1TJ681	CARBON	0.5W	5%	680
R556	ERDS1TJ273	CARBON	0.5W	5%	27K
R557	ERDS1TJ683	CARBON	0.5W	5%	68K
R558	ERDS1TJ273	CARBON	0.5W	5%	27K
R560	ERD25TJ123	CARBON	0.25W	5%	12K
R561	ERD25TJ333	CARBON	0.25W	5%	33K

Cct Ref	Parts Number	Description			
R562	ERD25TJ393	CARBON	0.25W	5%	39K
R563	ERD25TJ223	CARBON	0.25W	5%	22K
R564	ERDS1TJ394	CARBON	0.5W	5%	390K
R567	ERG3FJ223	METAL	3W	5%	22K
R569	ERDS1TJ120	CARBON	0.5W	5%	12
R570	ERD25TJ103	CARBON	0.25W	5%	10K
R572	ERG3FJ821	METAL	3W	5%	820
R574	ERG3FJ151	METAL	3W	5%	150
R579	ERD25TJ274	CARBON	0.25W	5%	270K
R580	ERD25TJ563	CARBON	0.25W	5%	56K
R581	ERD25TJ104	CARBON	0.25W	5%	100K
R582	ERD25TJ225	CARBON	0.25W	5%	2M2
R583	ERD25TJ225	CARBON	0.25W	5%	2M2
R588	ERD25TJ332	CARBON	0.25W	5%	3K3
R601	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15K
R613	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R614	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R615	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R616	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10
R617	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K
R619	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R620	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R622	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39K
R623	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15K
R626	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330
R627	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K
R628	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7
R630	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K
R631	ERJ6GEYJ105	S.M.CARB	0.1W	5%	1M
R632	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K
R634	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K
R635	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R636	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R637	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R646	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270
R647	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R648	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R649	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R650	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0
R651	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0
R652	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0
R653	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R655	ERJ6GEYJ224	S.M.CARB	0.1W	5%	220K
R657	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75
R658	ERJ6ENF2212	S.M. CAR	0.1W	5%	220
R663	ERJ6GEYJ334	S.M.CARB	0.1W	5%	330K
R664	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8
R665	ERJ6GEYJ392	S.M.CARB	0.1W	5%	3K9
R666	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2
R667	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39K
R674	ERJ6GEYJ273	S.M.CARB	0.1W	5%	27K
R675	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6
R676	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K
R677	ERJ6GEYJ273	S.M.CARB	0.1W	5%	27K
R678	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6
R679	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K
R680	ERJ6GEYJ303	S.M.CARB	0.1W	5%	30K
R681	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K
R682	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K
R683	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K
R684	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R685	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K
R686	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K
R688	ERJ6ENF3162	S.M. CAR	0.1W	5%	1K6
R701	ERX3FJ2R7H	METAL	3W	5%	2R7
R702	ERDS1TJ683	CARBON	0.5W	5%	68K

Cct Ref	Parts Number	Description			
R703	ERD25TJ393	CARBON	0.25W	5%	39K
R704	ERDS1TJ330	CARBON	0.5W	5%	33
R806	ERD25TJ101	CARBON	0.25W	5%	100
R807	ERD25TJ104	CARBON	0.25W	5%	100K
R809	ERF10ZK4R7	WOUND	10W	5%	4R7
R810	ERD25TJ223	CARBON	0.25W	5%	22K
R811	ERD25TJ391	CARBON	0.25W	5%	390
R812	ERD25TJ681	CARBON	0.25W	5%	680
R814	ERD25TJ392	CARBON	0.25W	5%	3K9
R815	ERD25TJ100	CARBON	0.25W	5%	10
R816	ERDS1TJ330	CARBON	0.5W	5%	33
R818	ERD25TJ511	CARBON	0.25W	5%	510
R820	ERG3FJ223	METAL	3W	5%	22K
R821	ERG3FJ223	METAL	3W	5%	22K
R822	ERD25TJ391	CARBON	0.25W	5%	390
R823	ERX12SJR22	METAL	0.5W	5%	R22
R824	ERX12SJR22	METAL	0.5W	5%	R22
R825	ERX12SJR22	METAL	0.5W	5%	R22
R827	ERDS1FJ121	CARBON	0.5W	5%	120
R828	ERD25TJ103	CARBON	0.25W	5%	10K
R829	ERD25TJ221	CARBON	0.25W	5%	220
R830	ERX12SJR22	METAL	0.5W	5%	R22
R831	ERD75TAJ825	CARBON	0.75W	5%	8M2
R832	ERG3FJ331	METAL	3W	5%	330
R835	ERD25TJ220	CARBON	0.25W	5%	22
R836	ERD25TJ100	CARBON	0.25W	5%	10
R837	ERD25TJ183	CARBON	0.25W	5%	18K
R838	ERD25TJ821	CARBON	0.25W	5%	820
R841	ERC12ZGK105D	SOLID	0.5W	10%	1M
R857	ERD25TJ221	CARBON	0.25W	5%	220
R862	ERD25TJ272	CARBON	0.25W	5%	2K7
R863	ERG3FJ680H	METAL	3W	5%	68
R864	ERDS1TJ682	CARBON	0.5W	5%	6K8
R867	ERD25TJ102	CARBON	0.25W	5%	1K
R868	ERD25TJ151	CARBON	0.25W	5%	150
R869	ERD25TJ560	CARBON	0.25W	5%	56
R870	ERD25TJ220	CARBON	0.25W	5%	22
R873	ERQ2CJP2R4	METAL	2W	5%	2R4
R876	ERD25TJ562	CARBON	0.25W	5%	5K6
R877	ERO25CKF1022	METAL	0.25W	1%	10K2
R878	ERO25CKF1002	METAL	0.25W	1%	10K
R883	ERD25TJ103	CARBON	0.25W	5%	10K
R885	ERD25TJ103	CARBON	0.25W	5%	10K
R886	ERX3SJR56	METAL	3W	5%	R56
R888	ERDS1TJ393	CARBON	0.5W	5%	39K
R889	ERD25TJ392	CARBON	0.25W	5%	3K9
R891	ERD25TJ103	CARBON	0.25W	5%	10K
R892	ERD25TJ222	CARBON	0.25W	5%	2K2
R897	ERD25TJ183	CARBON	0.25W	5%	18K
R901	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6
R902	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6
R903	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6
R904	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K
R906	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15K
R907	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2
R908	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470
R909	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2
R910	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R911	ERD25TJ561	CARBON	0.25W	5%	560
R913	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18K
R914	ERJ6GEYJ202	S.M.CARB	0.1W	5%	2K
R915	ERJ6GEYJ182	S.M.CARB	0.1W	5%	1K8
R916	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220
R917	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120
R919	ERQ14AJW390	FUSIBLE	0.25W	5%	39
R920	ERQ14AJW390	FUSIBLE	0.25W	5%	39

Cct Ref	Parts Number	Description			
R922	ERD25TJ683	CARBON	0.25W	5%	68K
R923	ERD25TJ683	CARBON	0.25W	5%	68K
R924	ERDS1FYJ330	CARBON	0.5W	5%	33
R925	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0
R926	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0
R927	ERD25TJ122	CARBON	0.25W	5%	1K2
R928	ERD25TJ5R6	CARBON	0.25W	5%	5R6
R929	ERDS1FYJ471	CARBON	0.5W	5%	470
R931	ERDS1FYJ390	CARBON	0.5W	5%	39
R935	ERQ14AJW3R9	FUSIBLE	0.25W	5%	3R9
R936	ERQ1CJP102	FUSIBLE	1W	5%	1K
R937	ERQ14AJW100	FUSIBLE	0.25W	5%	10
R938	ERD25TJ122	CARBON	0.25W	5%	1K2
R941	ERD25TJ5R6	CARBON	0.25W	5%	5R6
R1011	ERD25TJ101	CARBON	0.25W	5%	100
R1012	ERD25TJ101	CARBON	0.25W	5%	100
R1013	ERD25TJ471	CARBON	0.25W	5%	470
R1015	ERD25TJ103	CARBON	0.25W	5%	10K
R1071	ERD25TJ103	CARBON	0.25W	5%	10K
R1072	ERD25TJ222	CARBON	0.25W	5%	2K2
R1073	ERD25TJ222	CARBON	0.25W	5%	2K2
R1074	ERD25TJ332	CARBON	0.25W	5%	3K3
R1075	ERD25TJ512	CARBON	0.25W	5%	5K1
R1076	ERD25TJ912	CARBON	0.25W	5%	9K1
R1101	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R1103	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7
R1104	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R1105	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R1106	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7
R1107	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R1108	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7
R1109	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R1110	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R1111	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R1112	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K
R1113	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R1114	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R1116	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R1117	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3
R1118	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3
R1119	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3
R1120	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3
R1121	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7
R1122	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7
R1123	ERJ6GEYJ823	S.M.CARB	0.1W	5%	82K
R1124	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R1125	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R1126	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R1127	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R1128	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7
R1129	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7
R1130	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K
R1131	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R1132	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R1133	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R1134	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R1135	ERJ6GEYJ225	S.M.CARB	0.1W	5%	2M2
R1138	ERJ6GEYJ273	S.M.CARB	0.1W	5%	27K
R1139	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7
R1140	ERJ6GEYJ392	S.M.CARB	0.1W	5%	3K9
R1141	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K
R1142	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K
R1143	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R1144	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K
R1145	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7
R1146	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100

Cct Ref	Parts Number	Description			
R1147	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω
R1148	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω
R1149	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω
R1150	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω
R1151	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1152	ERJ6GEYJ224	S.M.CARB	0.1W	5%	220K Ω
R1153	ERJ6GEYJ273	S.M.CARB	0.1W	5%	27K Ω
R1154	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω
R1155	ERJ6GEYJ474	S.M.CARB	0.1W	5%	470K Ω
R1156	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1157	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10 Ω
R1158	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R1160	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1161	ERJ6GEYJ392	S.M.CARB	0.1W	5%	3K9 Ω
R1162	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R1163	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1164	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1165	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1166	ERJ6GEYJ683	S.M.CARB	0.1W	5%	68K Ω
R1167	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1168	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1169	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1170	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R1171	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R1172	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680 Ω
R1173	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120 Ω
R1174	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120 Ω
R1175	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1176	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1177	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1178	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1179	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1180	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R1181	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1182	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R1183	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R1184	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1186	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1187	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1188	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R1189	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1190	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R1194	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120 Ω
R1195	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1200	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R1237	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1238	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R1239	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56 Ω
R1501	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1502	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150 Ω
R1503	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3 Ω
R1504	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150 Ω
R1505	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R1506	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω
R1507	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R1508	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R1509	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R1510	ERJ6GEYJ8R2	S.M. CAR	0.1W	5%	8R2 Ω
R1511	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1513	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1514	ERJ6GEYJ180	S.M.CARB	0.1W	5%	18 Ω
R1515	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1517	ERJ6GEYJ180	S.M.CARB	0.1W	5%	18 Ω
R1518	ERJ6GEYJ180	S.M.CARB	0.1W	5%	18 Ω
R1519	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560 Ω
R1520	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω

Cct Ref	Parts Number	Description			
R1521	ERJ6GEYJ820	S.M.CARB	0.1W	5%	82 Ω
R1522	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1523	ERJ6GEYJ390	S.M.CARB	0.1W	5%	39 Ω
R1524	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56 Ω
R1525	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω
R1526	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1527	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10 Ω
R1528	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150 Ω
R1530	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56 Ω
R1531	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150 Ω
R1532	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150 Ω
R1533	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180 Ω
R1534	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7 Ω
R1535	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1536	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47 Ω
R1537	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1538	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180 Ω
R1540	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R1541	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R1542	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150 Ω
R1543	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1544	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560 Ω
R1545	ERJ6ENF3600	S.M. CAR	0.1W	5%	36 Ω
R1546	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560 Ω
R1547	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1548	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω
R1550	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1551	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω
R1552	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1553	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75 Ω
R1554	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1555	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1556	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1559	ERJ6ENF2200	S.M. CAR	0.1W	5%	22 Ω
R1560	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56 Ω
R1561	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1562	ERJ6ENF4750	S.M. CAR	0.1W	5%	75 Ω
R1563	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω
R1564	ERJ6ENF2200	S.M. CAR	0.1W	5%	22 Ω
R1565	ERJ6GEYJ820	S.M.CARB	0.1W	5%	82 Ω
R1566	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω
R1567	ERJ6ENF1500	S.M. CAR	0.1W	5%	15 Ω
R1568	ERJ6ENF1500	S.M. CAR	0.1W	5%	15 Ω
R1569	ERJ6ENF1500	S.M. CAR	0.1W	5%	15 Ω
R1570	ERJ6ENF2701	S.M.CARB	0.1W	5%	27 Ω
R1571	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1572	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1573	ERJ6ENF1500	S.M. CAR	0.1W	5%	15 Ω
R1574	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56 Ω
R1575	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R1576	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R1577	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R1578	ERJ6GEYJ301	S.M.CARB	0.1W	5%	300 Ω
R1579	ERJ6GEYJ431	S.M.CARB	0.1W	5%	430 Ω
R1580	ERJ6GEYJ511	S.M.CARB	0.1W	5%	510 Ω
R1581	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150 Ω
R1582	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1583	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560 Ω
R1584	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560 Ω
R1585	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1586	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1587	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1588	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω
R1589	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5 Ω
R1590	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1591	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω

Cct Ref	Parts Number	Description			
R1592	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1593	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1594	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1595	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1598	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1599	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1600	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1603	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1604	ERJ6GEYJ820	S.M.CARB	0.1W	5%	82 Ω
R1605	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18K Ω
R1606	ERJ6GEYJ273	S.M.CARB	0.1W	5%	27K Ω
R1607	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1609	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1610	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1611	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1613	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R1614	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1615	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1616	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1617	ERJ6ENF1100	S.M. CAR	0.1W	5%	10 Ω
R1618	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1619	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1620	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω
R1621	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R1622	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R1623	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R1624	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33K Ω
R1625	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω
R1626	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3 Ω
R1627	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10 Ω
R1628	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1629	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120 Ω
R1630	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1631	ERJ6ENF1500	S.M. CAR	0.1W	5%	15 Ω
R1632	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1633	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1634	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1635	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω
R1636	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1637	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω
R1639	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω
R1640	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1641	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K Ω
R1642	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18K Ω
R1643	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K Ω
R1644	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18K Ω
R1645	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K Ω
R1646	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18K Ω
R1660	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1661	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R1662	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω
R1663	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω
R1664	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1665	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R1666	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω
R1667	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω
R1668	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1669	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R1670	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K Ω
R1671	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω
R1672	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R1673	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1674	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1675	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1676	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56 Ω
R1677	ERJ6ENF6800	S.M. CAR	0.1W	5%	80 Ω

Cct Ref	Parts Number	Description			
R1678	ERJ6ENF1500	S.M. CAR	0.1W	5%	15 Ω
R1679	ERJ6ENF1500	S.M. CAR	0.1W	5%	15 Ω
R1680	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω
R1681	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω
R1682	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω
R1683	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω
R1684	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω
R1685	ERQ14AJ100	FUSIBLE	0.25W	5%	10 Ω ⚠
R1686	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1687	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1688	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω
R1690	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75 Ω
R1691	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75 Ω
R1692	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75 Ω
R1901	ERDS1TJ100	CARBON	0.5W	5%	10 Ω
R1902	ERDS1TJ100	CARBON	0.5W	5%	10 Ω
R1903	ERJ6GEYJ683	S.M.CARB	0.1W	5%	68K Ω
R1904	ERJ6GEYJ334	S.M.CARB	0.1W	5%	330K Ω
R1905	ERJ6GEYJ683	S.M.CARB	0.1W	5%	68K Ω
R1906	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56K Ω
R1907	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1908	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R1909	ERJ6GEYJ362	S.M. CAR	0.1W	5%	3K6 Ω
R1910	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω
R1911	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1912	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1913	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω
R2101	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R2102	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R2103	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R2104	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R2105	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R2106	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R2107	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R2108	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2109	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R2110	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R2111	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R2112	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R2114	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R2117	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω
R2118	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R2120	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R2121	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω
R2125	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2301	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω
R2302	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2303	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω
R2304	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R2307	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R2308	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2312	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7 Ω
R2314	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R2315	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R2316	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω
R2318	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω
R2319	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω
R2320	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R2321	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R2351	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R2352	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R2353	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2354	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2355	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2356	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2357	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω

Cct Ref	Parts Number	Description			
R2358	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6
R2359	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39K
R2361	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K
R2362	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K
R2363	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K
R2364	ERD25TJ101	CARBON	0.25W	5%	100
R2365	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K
R2368	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2
R2369	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2
R2370	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K
R2371	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K
R2372	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6
R2373	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6
R2376	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K
R2377	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K
R2408	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K
R2417	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6
R2421	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6
R2422	ERJ6GEYJ273	S.M.CARB	0.1W	5%	27K
R2423	ERJ6GEYJ184	S.M.CARB	0.1W	5%	180K
R2424	ERJ6GEYJ184	S.M.CARB	0.1W	5%	180K
R2425	ERJ6GEYJ273	S.M.CARB	0.1W	5%	27K
R2426	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K
R2427	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K
R2428	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K
R2429	ERJ6GEYJ273	S.M.CARB	0.1W	5%	27K
R2430	ERJ6GEYJ273	S.M.CARB	0.1W	5%	27K
R2431	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K
R2432	ERJ6GEYJ184	S.M.CARB	0.1W	5%	180K
R2433	ERJ6GEYJ184	S.M.CARB	0.1W	5%	180K
R2441	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820
R2442	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3
R2443	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820
R2444	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820
R2445	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3
R2446	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3
R2447	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820
R2448	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3
R2449	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820
R2450	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820
R2451	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3
R2452	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3
R2453	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K
R2454	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K
R2455	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K
R2456	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K
R2457	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K
R2458	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K
R2461	ERJ6GEYJ184	S.M.CARB	0.1W	5%	180K
R2462	ERJ6GEYJ203	S.M.CARB	0.1W	5%	20K
R2463	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K
R2464	ERJ6GEYJ184	S.M.CARB	0.1W	5%	180K
R2465	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12K
R2466	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K
R2471	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R2472	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R2473	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R2474	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R2475	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R2476	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R2501	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R2502	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7
R2503	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0
R2504	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2
R2508	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470
R2509	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470

Cct Ref	Parts Number	Description			
R2511	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R2512	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2
R2513	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R2514	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R2515	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R2516	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R2517	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R2518	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R2519	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R2525	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470
R2526	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2
R2527	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0
R2528	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K
R2529	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0
R2543	ERG3FJ471	METAL	3W	5%	470
R2544	ERG3FJ471	METAL	3W	5%	470
R2551	ERDS1TJ154	CARBON	0.5W	5%	150
R2552	ERDS1TJ184	CARBON	0.5W	5%	180
R2553	ERW12PKR33	WOUND	0.5W	10%	R33
R2554	ERD2FCVJ4R7P	CARBON	2W	5%	4R7
R2555	ERG2FJ101H	METAL	2W	5%	100
R2556	ERG2FJ101H	METAL	2W	5%	100
R2558	ERG5FJ473	METAL	5W	5%	47K
R2559	ERD2FCVJ4R7P	CARBON	2W	5%	4R7
R2586	ERG5FJ470H	METAL	5W	5%	47
R2588	ERQ2CJP2R4	METAL	2W	5%	2R4
R2595	ERDS1TJ103	CARBON	0.5W	5%	10K
R2597	ERD25TJ220	CARBON	0.25W	5%	22
R2598	ERD25TJ102	CARBON	0.25W	5%	1K
R2610	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470
R2611	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K
R2612	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K
R2613	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7
R2614	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330
R2615	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2
R2616	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K
R2617	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K
R2618	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7
R2619	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330
R2620	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2
R2621	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K
R2622	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K
R2623	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7
R2624	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330
R2630	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K
R2631	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0
R2632	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680
R2633	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K
R2634	ERX12SJW1R0E	METAL	12W	5%	1
R2640	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K
R2641	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0
R2642	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680
R2643	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K
R2644	ERX12SJW1R0E	METAL	12W	5%	1
R2650	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K
R2651	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0
R2652	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470
R2653	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22K
R2654	ERX12SJW1R0E	METAL	12W	5%	1
R2670	ERJ6GEYJ203	S.M.CARB	0.1W	5%	20K
R2671	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18K
R2672	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120
R2673	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K
R2674	ERX12SJW1R0E	METAL	12W	5%	1
R2675	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K
R2676	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K

Cct Ref	Parts Number	Description			
R2677	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K
R2678	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K
R3004	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47
R3005	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K
R3006	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220
R3007	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0
R3008	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47
R3009	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47
R3010	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K
R3011	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K
R3012	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K
R3013	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R3014	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R3015	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47
R3016	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120
R3017	ERJ6GEYJ390	S.M.CARB	0.1W	5%	39
R3018	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R3019	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R3020	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R3021	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680
R3022	ERJ6GEYJ680	S.M.CARB	0.1W	5%	68
R3023	ERQ14AJ390	FUSIBLE	0.25W	5%	39
R3024	ERJ6GEYJ683	S.M.CARB	0.1W	5%	68K
R3025	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15K
R3026	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220
R3027	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10
R3028	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680
R3029	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10
R3030	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15K
R3031	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7
R3033	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3
R3034	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3
R3035	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K
R3036	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R3037	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K
R3038	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3
R3039	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3
R3040	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R3043	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470
R3045	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0
R3046	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K
R3047	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0
R3048	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K
R3053	ERJ6GEYJ220	S.M.CARB	0.1W	5%	22
R3057	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150
R3058	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K
R3059	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K
R3060	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470
R3061	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15K
R3062	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6
R3063	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2
R3064	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7
R3065	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33K
R3066	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470
R3067	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K
R3068	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56K
R3069	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18K
R3070	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K
R3071	ERJ6GEYJ621	S.M. CAR	0.1W	5%	620
R3072	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K
R3073	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39K
R3074	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K
R3075	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7
R3076	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330
R3077	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R3078	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0

Cct Ref	Parts Number	Description			
R3079	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R3080	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R3081	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R3082	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R3087	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75
R3113	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R3114	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R3125	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680
R3126	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680
R3281	ERD25TJ750	CARBON	0.25W	5%	75
R3282	ERD25TJ750	CARBON	0.25W	5%	75
R3284	ERD25TJ102	CARBON	0.25W	5%	1K
R3285	ERD25TJ102	CARBON	0.25W	5%	1K
R3351	ERJ6GEYJ220	S.M.CARB	0.1W	5%	22
R3352	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7
R3353	ERJ6GEYJ474	S.M.CARB	0.1W	5%	470K
R3354	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K
R3355	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390
R3356	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8
R3357	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8
R3358	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8
R3360	ERDS1TJ471	CARBON	0.5W	5%	470
R3361	ERO50PKF1133	METAL	0.5W	5%	110K
R3401	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R3402	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R3403	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33K
R3404	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33K
R3405	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K
R3406	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K
R3407	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15K
R3408	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K
R3409	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K
R3410	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K
R3412	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K
R3413	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K
R3414	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75
R3415	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K
R3416	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33K
R3417	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K
R3418	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K
R3419	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33K
R3420	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75
R3421	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75
R3422	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15K
R3423	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47
R3424	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R3425	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220
R3426	ERJ6GEYJ680	S.M.CARB	0.1W	5%	68
R3427	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K
R3428	ERJ6GEYJ680	S.M.CARB	0.1W	5%	68
R3429	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10
R3430	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K
R3431	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R3432	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220
R3433	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3
R3434	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33K
R3435	ERJ6GEYJ680	S.M.CARB	0.1W	5%	68
R3436	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K
R3437	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K
R3438	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100
R3439	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33K
R3440	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K
R3441	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15K
R3443	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75
R3444	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47
R3445	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75

Cct Ref	Parts Number	Description				
R3446	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K	
R3447	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K	
R3452	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100	
R3453	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100	
R3454	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100	
R3455	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100	
R3801	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100	
R3802	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220	
R3803	ERG3FJ100	METAL	3W	5%	10	⚠
R3990	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7	
R3991	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K	
R3992	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K	
R3993	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K	
R3994	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K	
CAPACITORS						
C002	ECA1HMR33GB	ELECT	50V		0.33U	
C003	ECUV1H104ZFX	S.M. CAP	50V		100nF	
C004	ECUV1H104ZFX	S.M. CAP	50V		100nF	
C005	ECA1CM221GB	ELECT	16V		220µF	
C006	ECUV1H104ZFX	S.M. CAP	50V		100nF	
C007	ECUV1H104ZFX	S.M. CAP	50V		100nF	
C008	ECUV1H561JCX	S.M. CAP	50V		560pF	
C009	ECA1CM221GB	ELECT	16V		220µF	
C010	ECA1HM4R7GB	ELECT	50V		4.7µF	
C011	ECUV1H100DCX	S.M. CAP	50V		10pF	
C012	ECUV1H100DCX	S.M. CAP	50V		10pF	
C013	ECA1CM470GB	ELECT	16V		47µF	
C014	ECUV1H104ZFX	S.M. CAP	50V		100nF	
C015	ECUV1H104ZFX	S.M. CAP	50V		100nF	
C017	ECUV1H100DCX	S.M. CAP	50V		10pF	
C018	ECJ2VF1H104Z	ELECT	350V		100nF	
C019	ECJ2VF1H104Z	ELECT	350V		100nF	
C103	ECUV1H104ZFX	S.M. CAP	50V		100nF	
C104	ECJ2VF1H103Z	ELECT	350V		10nF	
C107	ECUV1H104ZFX	S.M. CAP	50V		100nF	
C108	ECUV1H104ZFX	S.M. CAP	50V		100nF	
C109	ECUV1C184KBX	S.M. CAP	16V		180nF	
C110	ECUV1H104ZFX	S.M. CAP	50V		100nF	
C111	ECUV1H104ZFX	S.M. CAP	50V		100nF	
C251	ECA1HM4R7GB	ELECT	50V		4.7µF	
C252	ECUV1H103KBX	S.M. CAP	50V		10nF	
C253	ECA1HM4R7GB	ELECT	50V		4.7µF	
C254	ECQM1H333J	FILM	50V		33nF	
C255	ECA1EHG101B	ELECT	50V		100nF	
C256	ECUV1H103KBX	S.M. CAP	50V		10nF	
C257	ECA1HM4R7GB	ELECT	50V		4.7µF	
C258	ECA1HM4R7GB	ELECT	50V		4.7µF	
C259	ECQM1H333J	FILM	50V		33nF	
C260	ECA1VM102GB	ELECT	35V		1nF	
C261	ECA1VM102GB	ELECT	35V		1nF	
C262	ECA1HMR47GB	ELECT	50V		1nF	
C263	ECA1HM100GB	ELECT	50V		10µF	
C264	ECA1HM222E	ELECT	50V		2.2nF	
C265	ECA1HMR47GB	ELECT	50V		2.2nF	
C266	ECA1HM100GB	ELECT	50V		10µF	
C267	ECQM1H224J	FILM	50V		220nF	
C268	ECQM1H224J	FILM	50V		220nF	
C269	ECA1HM470GB	ELECT	50V		47µF	
C270	ECQM1H224J	FILM	50V		220nF	
C271	ECQM1H224J	FILM	50V		220nF	
C277	ECUV1H102JCX	S.M. CAP	50V		1nF	
C278	ECUV1H102JCX	S.M. CAP	50V		1nF	
C352	ECUV1H224ZFX	S.M. CAP	50V		220nF	
C353	ECUV1H104KBX	S.M. CAP	50V		100nF	
C354	ECQM2104KZ	FILM	250V		100nF	
C355	ECKC2H102J	CERAMIC	500V		1nF	⚠

Cct Ref	Parts Number	Description			
C362	ECUV1H224ZFX	S.M. CAP	50V	220nF	
C363	ECUV1H104KBX	S.M. CAP	50V	100nF	
C364	ECQM2104KZ	FILM	250V	100nF	
C365	ECKC2H102J	CERAMIC	500V	1nF	⚠
C372	ECUV1H224ZFX	S.M. CAP	50V	220nF	
C373	ECUV1H104KBX	S.M. CAP	50V	100nF	
C374	ECQM2104KZ	FILM	250V	100nF	
C375	ECKC2H102J	CERAMIC	500V	1nF	⚠
C381	ECA1HM101GB	ELECT	50V	100µF	
C382	ECA1CM471GB	ELECT	16V	470µF	
C383	ECUV1H103KBX	S.M. CAP	50V	10nF	
C384	ECQM2104KZ	FILM	250V	100nF	
C385	ECA2EM220B	ELECT	250V	22µF	
C386	ECKC3D152J	CERAMIC	2KV	1.5nF	⚠
C387	ECUV1H681JCX	S.M. CAP	50V	680pF	
C395	ECQM1H104J	FILM	50V	100nF	
C396	ECJ2VF1H104Z	ELECT	350V	100nF	
C400	ECA1VM102GB	ELECT	35V	1nF	
C402	ECA1HM010GB	ELECT	50V	1µF	
C404	ECEA1HU471	ELECT	50V	470µF	
C405	ECA1EM102GB	ELECT	25V	100µF	
C407	ECQB1224KFW	FILM	100V	220nF	
C411	ECUV1H102KBX	S.M. CAP	50V	1nF	
C501	ECQM1H224J	FILM	50V	220nF	
C502	ECQM2104KZ	FILM	250V	100nF	
C503	ECKC2H102J	CERAMIC	500V	1nF	⚠
C504	ECQB1H223K	FILM	50V	22nF	
C505	ECA1EM222GB	ELECT	25V	22nF	
C506	ECKC2H102J	CERAMIC	500V	1nF	⚠
C507	ECA1EM332E	ELECT	25V	1nF	
C552	ECWH20102JVY	FILM	200V	1µF	
C553	ECQP1223JZW	FILM	100V	22nF	
C554	ECQB1H152K	FILM	50V	1.5nF	
C555	ECWH20622JVB	FILM	200V	6.2nF	
C556	ECEA2CNR47SB	ELECT	160V	6.2nF	
C557	ECKC2H331J	CERAMIC	500V	330pF	⚠
C558	ECA2EM330B	ELECT	250V	33µF	
C559	ECKC2H103J	CERAMIC	50V	10nF	⚠
C563	ECWF2564JBB	FILM	200V	560nF	⚠
C564	ECKC1H103JB	CERAMIC	50V	10nF	
C565	ECQP1223JZW	FILM	100V	22nF	
C572	ECWH20622JVB	FILM	200V	6.2nF	
C573	ECQF4153JZH	FILM	400V	1.5nF	⚠
C574	ECWF4684JBB	FILM	400V	680nF	
C575	ECWF4564JBB	FILM	400V	560nF	
C581	ECQF4123JZH	FILM	400V	12nF	⚠
C584	ECKC3D391J	CERAMIC	2KV	390pF	⚠
C602	ECUV1H104ZFX	S.M. CAP	50V	100nF	
C603	ECUV1H104ZFX	S.M. CAP	50V	100nF	
C604	ECUV1H470JCX	S.M. CAP	50V	47pF	
C605	ECA1CM221GB	ELECT	16V	220µF	
C606	ECA1AM332E	ELECT	10V	220µF	
C607	ECUV1H104ZFX	S.M. CAP	50V	100nF	
C608	ECUV1H104ZFX	S.M. CAP	50V	100nF	
C609	ECA1HM3R3GB	ELECT	50V	3.3µF	
C610	ECUV1H104ZFX	S.M. CAP	50V	100nF	
C611	ECUV1H104ZFX	S.M. CAP	50V	100nF	
C612	ECUV1H104ZFX	S.M. CAP	50V	100nF	
C613	ECUV1H104ZFX	S.M. CAP	50V	100nF	
C614	ECUV1H104ZFX	S.M. CAP	50V	100nF	
C615	ECJ2VB1C104K	ELECT	350V	100nF	
C616	ECQM1H104J	FILM	50V	100nF	
C617	ECUV1H104ZFX	S.M. CAP	50V	100nF	
C618	ECUV1H104ZFX	S.M. CAP	50V	100nF	
C620	ECUV1H100DCX	S.M. CAP	50V	10pF	
C622	ECUV1H470JCX	S.M. CAP	50V	47pF	

Cct Ref	Parts Number	Description			
C623	ECUV1H470JCX	S.M. CAP	50V	47pF	
C625	ECUV1H470JCX	S.M. CAP	50V	47pF	
C626	ECUV1H470JCX	S.M. CAP	50V	47pF	
C627	ECUV1H470JCX	S.M. CAP	50V	47pF	
C628	ECUV1H470JCX	S.M. CAP	50V	47pF	
C632	ECUV1H104ZFX	S.M. CAP	50V	100nF	
C633	ECUV1H104ZFX	S.M. CAP	50V	100nF	
C634	ECUV1H222KBX	S.M. CAP	50V	2.2nF	
C635	ECA1EM101GB	ELECT	25V	100µF	
C636	ECJ2VF1H103Z	ELECT	350V	10nF	
C637	ECUV1H470JCX	S.M. CAP	50V	47pF	
C638	ECUV1H270JCX	S.M. CAP	50V	27pF	
C639	ECUV1H104ZFX	S.M. CAP	50V	100nF	
C641	ECUV1H101JCX	S.M. CAP	50V	100pF	
C642	ECUV1H561JCX	S.M. CAP	50V	560pF	
C643	ECUV1H102KBX	S.M. CAP	50V	1nF	
C644	ECQM1H104J	FILM	50V	100nF	
C645	ECQM1H104J	FILM	50V	100nF	
C646	ECUV1H103KBX	S.M. CAP	50V	10nF	
C651	ECUV1C224KBX	S.M. CAP	16V	220nF	
C701	ECQV1H105JZ	FILM	50V	1µF	
C702	ECKC2H102J	CERAMIC	500V	1nF	⚠
C806	ECQE6104K	FILM	600V	100nF	⚠
C807	ECQB1H473K	FILM	50V	47nF	
C808	ECQM1H334J	FILM	50V	330nF	
C809	ECQE2A474MWB	FILM	100V	470nF	
C811	ECQB1H104J	FILM	50V	100nF	
C812	ECQB1H562K	FILM	50V	5.6nF	
C813	ECKC2H472J	CERAMIC	500V	4.7nF	⚠
C814	ECKC2H472J	CERAMIC	500V	4.7nF	⚠
C815	ECA1CM331B	ELECT	16V	330µF	
C816	ECQB1H122J	FILM	50V	1.2nF	
C817	ECKC2H472J	CERAMIC	500V	4.7nF	⚠
C818	ECKC2H472J	CERAMIC	500V	4.7nF	⚠
C819	ECOS2WB221DB	ELECT	16V	220µF	
C820	ECOS2WB221DB	ELECT	16V	220µF	
C821	ECQB1H222J	FILM	50V	2.2nF	
C822	ECKC3D471JB	CERAMIC	2KV	470pF	⚠
C823	EEUFA1V221B	CERAMIC	35V	220µF	
C824	ECQB1H221KF3	FILM	50V	220µF	
C826	ECQB1H473K	FILM	50V	47nF	
C827	ECKCNS332J	CERAMIC	1.2KV	3.3nF	⚠
C830	ECQE6105JFW	FILM	600V	1µF	⚠
C831	ECKC3D471JB	CERAMIC	2KV	470pF	⚠
C833	ECQB1H682K	FILM	50V	6.8nF	
C835	ECQB1H332K	FILM	50V	3.3nF	
C842	222233510154	FILM	50V	100µF	
C843	ECQE2A474MWB	FILM	100V	470nF	
C847	ECEA1EN101UB	ELECT	25V	100µF	
C848	ECKC2H331J	CERAMIC	500V	330pF	⚠
C849	ECKC2H391J	CERAMIC	500V	390pF	⚠
C852	ECKC3D222JB	CERAMIC	2KV	390pF	⚠
C853	ECEA1CU332	ELECT	16V	390pF	
C854	ECA1EM221GB	ELECT	25V	390pF	
C855	ECEA1HU102	ELECT	50V	390pF	
C856	ECA1EM332E	ELECT	25V	390pF	
C857	ECA1EM471GB	ELECT	25V	470µF	
C858	ECOS2EA271BB	ELECT	250V	270µF	
C859	ECKC2H471J	CERAMIC	500V	470pF	⚠
C861	ECOS2EA221AB	ELECT	250V	220µF	
C863	ECA1EM332E	ELECT	25V	220µF	
C864	ECA0JM102GB	ELECT	6.3V	220µF	
C866	ECA1HM101GB	ELECT	50V	100µF	
C867	ECA1CM222E	ELECT	16V	2.2nF	
C868	ECA1CM100GB	ELECT	16V	10µF	
C869	ECA1HM101GB	ELECT	50V	100µF	

Cct Ref	Parts Number	Description			
C871	ECA0JM102GB	ELECT	6.3V	100µF	
C872	ECA1CM222E	ELECT	16V	2.2nF	
C901	ECUV1H030CCX	S.M. CAP	50V	30pF	
C902	ECA1VM101GB	ELECT	35V	100µF	
C904	ECJ2VF1H103Z	ELECT	350V	10nF	
C906	ECUV1H681JCX	S.M. CAP	50V	680pF	
C907	ECUV1H121JCX	S.M. CAP	50V	120pF	
C908	ECUV1H151JCX	S.M. CAP	50V	150pF	
C909	ECKC2H472J	CERAMIC	500V	4.7nF	⚠
C910	ECKC2H472J	CERAMIC	500V	4.7nF	⚠
C911	ECUV1H151JCX	S.M. CAP	50V	150pF	
C912	ECA2EM220B	ELECT	250V	22µF	
C913	ECA1HM101GB	ELECT	50V	100µF	
C914	ECA1HM101GB	ELECT	50V	100µF	
C916	ECA2EM220B	ELECT	250V	22µF	
C917	ECA1HM100GB	ELECT	50V	10µF	
C918	ECJ2VF1H103Z	ELECT	350V	10nF	
C1011	ECKC1H101J	CERAMIC	50V	100pF	
C1012	ECA1VM470B	ELECT	35V	47µF	
C1013	ECKC1H103JB	CERAMIC	50V	10nF	
C1014	ECA1HM101GB	ELECT	50V	100µF	
C1101	ECUV1H104ZFX	S.M. CAP	50V	100nF	
C1102	ECUV1H101JCX	S.M. CAP	50V	100pF	
C1103	ECUV1H220JCX	S.M. CAP	50V	22pF	
C1104	ECUV1H220JCX	S.M. CAP	50V	22pF	
C1107	ECUV1H104ZFX	S.M. CAP	50V	100nF	
C1108	ECUV1C104KBX	S.M. CAP	16V	100nF	
C1109	ECUV1C104KBX	S.M. CAP	16V	100nF	
C1113	ECUV1C104KBX	S.M. CAP	16V	100nF	
C1114	ECA1HM101GB	ELECT	50V	100µF	
C1116	ECUV1H560JCX	S.M. CAP	50V	56pF	
C1117	ECUV1H221JCX	S.M. CAP	50V	220pF	
C1118	ECJ3VB1C474K	ELECT	3.5KV	470nF	
C1120	ECUV1H104ZFX	S.M. CAP	50V	100nF	
C1121	ECUV1H472KBX	S.M. CAP	50V	4.7nF	
C1122	ECA1HM010GB	ELECT	50V	1µF	
C1123	ECUV1H104ZFX	S.M. CAP	50V	100nF	
C1124	ECUV1H101JCX	S.M. CAP	50V	100pF	
C1125	ECUV1H104ZFX	S.M. CAP	50V	100nF	
C1126	ECUV1H104ZFX	S.M. CAP	50V	100nF	
C1127	ECA1HM101GB	ELECT	50V	100µF	
C1128	ECUV1H104ZFX	S.M. CAP	50V	100nF	
C1129	ECA1HM101GB	ELECT	50V	100µF	
C1130	ECUV1H103KBX	S.M. CAP	50V	10nF	
C1131	ECUV1H221JCX	S.M. CAP	50V	220pF	
C1138	ECUV1H224ZFX	S.M. CAP	50V	220nF	
C1145	ECJ2VB1H333K	ELECT	350V	33nF	
C1147	ECA1CM331B	ELECT	16V	330µF	
C1148	ECUV1C224KBX	S.M. CAP	16V	220nF	
C1501	ECUV1H330JCX	S.M. CAP	50V	33pF	
C1502	ECUV1H471JCX	S.M. CAP	50V	470pF	
C1503	ECUV1H390JCX	S.M. CAP	50V	39pF	
C1504	ECUV1H680JCX	S.M. CAP	50V	68pF	
C1505	ECUV1H820JCX	S.M. CAP	50V	82pF	
C1506	ECUV1H331JCX	S.M. CAP	50V	330pF	
C1507	ECUV1H102KBX	S.M. CAP	50V	1nF	
C1508	ECEA1HN010UB	ELECT	50V	1µF	
C1509	ECUV1H104ZFX	S.M. CAP	50V	100nF	
C1510	ECA1HM101GB	ELECT	50V	100µF	
C1511	ECUV1H104ZFX	S.M. CAP	50V	100nF	
C1512	ECUV1H030CCX	S.M. CAP	50V	30pF	
C1513	ECA1HM100GB	ELECT	50V	10µF	
C1514	ECUV1H104ZFX	S.M. CAP	50V	100nF	
C1515	ECUV1H104ZFX	S.M. CAP	50V	100nF	
C1516	ECUV1H030CCX	S.M. CAP	50V	30pF	
C1517	ECUV1H473ZFX	S.M. CAP	50V	47nF	

Cct Ref	Parts Number	Description		
C1518	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1519	ECA1HM101GB	ELECT	50V	100µF
C1521	ECA1HM101GB	ELECT	50V	100µF
C1522	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1523	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1524	ECA1VM470B	ELECT	35V	47µF
C1525	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1527	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1528	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1529	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1530	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1532	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1533	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1534	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1535	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1536	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1537	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1538	EEUNA1E220B	CERAMIC	25V	22µF
C1539	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1540	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1541	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1542	ECA1CM471GB	ELECT	16V	470µF
C1543	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1544	EEUNA1E220B	CERAMIC	25V	22µF
C1545	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1546	ECA1HM101GB	ELECT	50V	100µF
C1547	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1548	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1549	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1550	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1551	EEUNA1E220B	CERAMIC	25V	22µF
C1552	ECA1HM101GB	ELECT	50V	100µF
C1553	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1554	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1555	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1556	ECA1HM101GB	ELECT	50V	100µF
C1557	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1558	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1559	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1560	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1561	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1562	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1563	ECA1HM101GB	ELECT	50V	100µF
C1564	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1565	ECUV1H270JCX	S.M. CAP	50V	27pF
C1567	ECA1HM101GB	ELECT	50V	100µF
C1568	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1569	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1570	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1571	ECA1CM471GB	ELECT	16V	470µF
C1572	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1573	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1574	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1575	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1576	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1577	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1578	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1579	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1580	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1581	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1582	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1583	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1584	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1585	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1586	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1587	ECUV1H104ZFX	S.M. CAP	50V	100nF

Cct Ref	Parts Number	Description		
C1588	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1589	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1590	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1591	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1592	ECA1CM221GB	ELECT	16V	220µF
C1593	ECA1CM221GB	ELECT	16V	220µF
C1594	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1595	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1596	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1597	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1598	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1599	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1600	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1601	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1602	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1603	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1604	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1605	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1606	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1607	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1608	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1609	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1610	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1611	ECA1CM471GB	ELECT	16V	470µF
C1612	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1614	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1615	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1616	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1617	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1618	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1619	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1620	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1621	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1622	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1623	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1624	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1625	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1626	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1627	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1628	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1629	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1630	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1631	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1632	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1633	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1636	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1637	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1638	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1639	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1642	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1643	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1644	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1645	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1647	ECUV1H470JCX	S.M. CAP	50V	47pF
C1648	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1649	ECA1HM101GB	ELECT	50V	100µF
C1650	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1651	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1652	ECA1HM101GB	ELECT	50V	100µF
C1653	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1654	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1655	ECA1VM470B	ELECT	35V	47µF
C1656	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1658	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1659	ECA1VM470B	ELECT	35V	47µF
C1660	ECUV1H104ZFX	S.M. CAP	50V	100nF

Cct Ref	Parts Number	Description		
C1661	ECA1HM101GB	ELECT	50V	100µF
C1662	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1663	ECUV1H560JCX	S.M. CAP	50V	56pF
C1664	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1666	ECUV1H390JCX	S.M. CAP	50V	39pF
C1667	ECUV1H820JCX	S.M. CAP	50V	82pF
C1668	ECUV1H680JCX	S.M. CAP	50V	68pF
C1669	ECUV1H271JCX	S.M. CAP	50V	270pF
C1670	ECUV1H391JCX	S.M. CAP	50V	390pF
C1671	ECUV1H390JCX	S.M. CAP	50V	39pF
C1672	ECUV1H820JCX	S.M. CAP	50V	82pF
C1673	ECUV1H680JCX	S.M. CAP	50V	68pF
C1674	ECUV1H271JCX	S.M. CAP	50V	270pF
C1675	ECUV1H391JCX	S.M. CAP	50V	390pF
C1676	ECUV1H390JCX	S.M. CAP	50V	39pF
C1677	ECUV1H820JCX	S.M. CAP	50V	82pF
C1678	ECUV1H680JCX	S.M. CAP	50V	68pF
C1679	ECUV1H271JCX	S.M. CAP	50V	270pF
C1680	ECUV1H391JCX	S.M. CAP	50V	390pF
C1681	ECUV1H820JCX	S.M. CAP	50V	82pF
C1682	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1683	ECUV1H101JCX	S.M. CAP	50V	100pF
C1685	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1686	ECUV1H101JCX	S.M. CAP	50V	100pF
C1688	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1689	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1690	ECJ2VF1C105Z	ELECT	350V	1µF
C1691	ECJ2VF1C105Z	ELECT	350V	1µF
C1692	EEUNA1E220B	CERAMIC	25V	22µF
C1693	ECA1HM101GB	ELECT	50V	100µF
C1695	ECUV1H221JCX	S.M. CAP	50V	220pF
C1696	EEUNA1E220B	CERAMIC	25V	22µF
C1697	EEUNA1E220B	CERAMIC	25V	22µF
C1698	EEUNA1E220B	CERAMIC	25V	22µF
C1901	ECQM1H474J	FILM	50V	470nF
C1902	ECQM1H474J	FILM	50V	470nF
C1903	ECA1EM470GB	ELECT	25V	47µF
C1904	ECJ2VF1H103Z	ELECT	350V	10nF
C1905	ECUV1C224KBX	S.M. CAP	16V	220nF
C2103	ECUV1H391KBX	S.M. CAP	50V	390pF
C2104	ECUV1H102KBX	S.M. CAP	50V	1nF
C2105	ECUV1H102KBX	S.M. CAP	50V	1nF
C2106	ECUV1H102KBX	S.M. CAP	50V	1nF
C2107	ECUV1H102KBX	S.M. CAP	50V	1nF
C2108	ECUV1H102KBX	S.M. CAP	50V	1nF
C2109	ECUV1H102KBX	S.M. CAP	50V	1nF
C2110	ECUV1H102KBX	S.M. CAP	50V	1nF
C2111	ECA1CM100GB	ELECT	16V	10µF
C2112	ECUV1H104ZFX	S.M. CAP	50V	100nF
C2113	ECA1CM100GB	ELECT	16V	10µF
C2114	ECA1HM101GB	ELECT	50V	100µF
C2115	ECUV1H104ZFX	S.M. CAP	50V	100nF
C2116	ECUV1H102KBX	S.M. CAP	50V	1nF
C2117	ECUV1H471KBX	S.M. CAP	50V	470pF
C2118	ECA1HM3R3GB	ELECT	50V	3.3µF
C2119	ECUV1H471KBX	S.M. CAP	50V	470pF
C2120	ECUV1H104ZFX	S.M. CAP	50V	100nF
C2121	ECUV1H221JCX	S.M. CAP	50V	220pF
C2122	ECUV1H221JCX	S.M. CAP	50V	220pF
C2123	ECUV1H221JCX	S.M. CAP	50V	220pF
C2124	ECUV1H104ZFX	S.M. CAP	50V	100nF
C2125	ECA1CM100GB	ELECT	16V	10µF
C2126	ECUV1H221JCX	S.M. CAP	50V	220pF
C2127	ECUV1H104ZFX	S.M. CAP	50V	100nF
C2128	ECUV1H221JCX	S.M. CAP	50V	220pF
C2129	ECA1CM100GB	ELECT	16V	10µF

Cct Ref	Parts Number	Description		
C2130	ECUV1H221JCX	S.M. CAP	50V	220pF
C2131	ECQM1H334J	FILM	50V	330nF
C2132	ECA1CM100GB	ELECT	16V	10µF
C2133	ECUV1H470JCX	S.M. CAP	50V	47pF
C2134	ECUV1H470JCX	S.M. CAP	50V	47pF
C2135	ECUV1H070DCX	S.M. CAP	50V	7pF
C2137	ECUV1H104ZFX	S.M. CAP	50V	100nF
C2138	ECUV1H010CCX	S.M. CAP	50V	1pF
C2139	ECUV1H010CCX	S.M. CAP	50V	1pF
C2141	ECUV1H560JCX	S.M. CAP	50V	56pF
C2142	ECA1CM100GB	ELECT	16V	10µF
C2144	ECUV1H560JCX	S.M. CAP	50V	56pF
C2146	ECA1CM100GB	ELECT	16V	10µF
C2147	ECUV1H103KBX	S.M. CAP	50V	10nF
C2148	ECUV1H103KBX	S.M. CAP	50V	10nF
C2301	ECA1CM470GB	ELECT	16V	47µF
C2302	ECA1CM470GB	ELECT	16V	47µF
C2307	ECUV1H103KBX	S.M. CAP	50V	10nF
C2308	ECUV1H103KBX	S.M. CAP	50V	10nF
C2353	ECA1CM471GB	ELECT	16V	470µF
C2356	ECA1HM4R7GB	ELECT	50V	4.7µF
C2357	ECUV1H151JCX	S.M. CAP	50V	150pF
C2358	ECUV1H151JCX	S.M. CAP	50V	150pF
C2359	ECA1HM4R7GB	ELECT	50V	4.7µF
C2361	ECA1CM470GB	ELECT	16V	47µF
C2362	ECA1HM101GB	ELECT	50V	100µF
C2363	ECEA1HU221	ELECT	50V	100µF
C2364	ECEA1HU221	ELECT	50V	100µF
C2365	ECA1HM101GB	ELECT	50V	100µF
C2366	ECA0JM222GB	ELECT	6.3V	2.2nF
C2367	ECUV1H104ZFX	S.M. CAP	50V	100nF
C2370	ECA1HM100GB	ELECT	50V	10µF
C2371	ECUV1H472KBX	S.M. CAP	50V	4.7nF
C2372	ECUV1H472KBX	S.M. CAP	50V	4.7nF
C2375	ECUV1H104ZFX	S.M. CAP	50V	100nF
C2377	ECKC1H102J	CERAMIC	50V	1nF
C2378	ECKC1H102J	CERAMIC	50V	1nF
C2381	ECKC1H103JB	CERAMIC	50V	10nF
C2382	ECKC1H103JB	CERAMIC	50V	10nF
C2401	ECUV1H102KBX	S.M. CAP	50V	1nF
C2403	ECUV1H332KBX	S.M. CAP	50V	3.3nF
C2404	ECUV1H332KBX	S.M. CAP	50V	3.3nF
C2408	ECEA1CKA100	ELECT	16V	10µF
C2410	ECA1EM471GB	ELECT	25V	470µF
C2412	ECEA1HKA010	ELECT	50V	1µF
C2413	ECEA1CKA101	ELECT	16V	1µF
C2414	ECUV1H150JCX	S.M. CAP	50V	15pF
C2415	ECUV1H150JCX	S.M. CAP	50V	15pF
C2416	EEANA1E1R0B	CERAMIC	35V	0R1µF
C2417	EEANA1E1R0B	CERAMIC	35V	0R1µF
C2418	EEANA1E1R0B	CERAMIC	35V	0R1µF
C2419	EEANA1E1R0B	CERAMIC	35V	0R1µF
C2420	ECUV1H150JCX	S.M. CAP	50V	15pF
C2421	ECUV1H150JCX	S.M. CAP	50V	15pF
C2422	ECUV1H561JCX	S.M. CAP	50V	560pF
C2423	ECUV1H561JCX	S.M. CAP	50V	560pF
C2424	ECUV1H561JCX	S.M. CAP	50V	560pF
C2425	ECUV1H561JCX	S.M. CAP	50V	560pF
C2427	ECUV1H561JCX	S.M. CAP	50V	560pF
C2428	ECUV1H561JCX	S.M. CAP	50V	560pF
C2430	ECUV1H561JCX	S.M. CAP	50V	560pF
C2431	ECUV1H561JCX	S.M. CAP	50V	560pF
C2432	ECEA1HKA010	ELECT	50V	1µF
C2433	ECEA1HKA010	ELECT	50V	1µF
C2434	ECEA1HKA010	ELECT	50V	1µF
C2435	ECEA1HKA010	ELECT	50V	1µF

Cct Ref	Parts Number	Description			
C2436	ECEA1HKA010	ELECT	50V	1µF	
C2437	ECUV1H561JCX	S.M. CAP	50V	560pF	
C2438	ECUV1H561JCX	S.M. CAP	50V	560pF	
C2439	ECEA1HKA010	ELECT	50V	1µF	
C2440	ECUV1H222KBX	S.M. CAP	50V	2.2nF	
C2441	ECUV1H222KBX	S.M. CAP	50V	2.2nF	
C2442	ECUV1H222KBX	S.M. CAP	50V	2.2nF	
C2443	ECUV1H222KBX	S.M. CAP	50V	2.2nF	
C2444	ECUV1H222KBX	S.M. CAP	50V	2.2nF	
C2445	ECUV1H222KBX	S.M. CAP	50V	2.2nF	
C2446	ECUV1H561JCX	S.M. CAP	50V	560pF	
C2447	ECUV1H561JCX	S.M. CAP	50V	560pF	
C2448	EEANA1E1R0B	CERAMIC	35V	0R1µF	
C2449	EEANA1E1R0B	CERAMIC	35V	0R1µF	
C2450	ECUV1H150JCX	S.M. CAP	50V	15pF	
C2451	ECUV1H150JCX	S.M. CAP	50V	15pF	
C2452	ECJ2VF1H103Z	ELECT	350V	10nF	
C2462	ECUV1H102KBX	S.M. CAP	50V	1nF	
C2463	ECUV1H102KBX	S.M. CAP	50V	1nF	
C2464	ECUV1H102KBX	S.M. CAP	50V	1nF	
C2501	ECA1HM101GB	ELECT	50V	100µF	
C2502	ECA1HM010GB	ELECT	50V	1µF	
C2503	ECA1HM010GB	ELECT	50V	1µF	
C2504	ECUV1H010CCX	S.M. CAP	50V	1pF	
C2505	ECUV1H104ZFX	S.M. CAP	50V	100nF	
C2506	ECA1HM3R3GB	ELECT	50V	3.3µF	
C2507	ECA1CM100GB	ELECT	16V	10µF	
C2508	ECA1CM100GB	ELECT	16V	10µF	
C2509	ECUV1H010CCX	S.M. CAP	50V	1pF	
C2510	ECUV1H104ZFX	S.M. CAP	50V	100nF	
C2511	ECUV1H104ZFX	S.M. CAP	50V	100nF	
C2513	ECUV1H104ZFX	S.M. CAP	50V	100nF	
C2514	ECUV1H102KBX	S.M. CAP	50V	1nF	
C2515	ECUV1H104ZFX	S.M. CAP	50V	100nF	
C2517	ECUV1H102KBX	S.M. CAP	50V	1nF	
C2518	ECA1HM010GB	ELECT	50V	1µF	
C2520	ECJ2VF1C334Z	ELECT	350V	330nF	
C2521	ECJ2VF1C334Z	ELECT	350V	330nF	
C2522	ECJ2VF1C334Z	ELECT	350V	330nF	
C2523	ECJ2VF1C334Z	ELECT	350V	330nF	
C2524	ECJ2VF1C334Z	ELECT	350V	330nF	
C2526	ECA1CM100GB	ELECT	16V	10µF	
C2527	ECJ2VF1C334Z	ELECT	350V	330nF	
C2528	ECJ2VF1C334Z	ELECT	350V	330nF	
C2529	ECKC1H102J	CERAMIC	50V	1nF	
C2530	ECQM1H274J	FILM	50V	270nF	
C2532	ECA1VM102GB	ELECT	35V	1nF	
C2542	ECA1VM102GB	ELECT	35V	1nF	
C2552	ECOS2GA101BB	ELECT	400V	100µF	
C2553	ECA1CM221GB	ELECT	16V	220µF	
C2554	ECQM1H104J	FILM	50V	100nF	
C2555	ECKC3D471JB	CERAMIC	2KV	470pF	⚠
C2556	ECA1CM221GB	ELECT	16V	220µF	
C2557	ECQB1H333J	FILM	50V	33nF	
C2558	ECQB1H683K	FILM	50V	68nF	
C2559	ECKC2H103J	CERAMIC	50V	10nF	⚠
C2569	ECKC2H471J	CERAMIC	500V	470pF	⚠
C2572	EEUFC1E331B	CERAMIC	25V	330pF	
C2573	ECA1HHG102B	ELECT	50V	1µF	
C2610	ECA1HM010GB	ELECT	50V	1µF	
C2612	ECUV1H223KBX	S.M. CAP	50V	22nF	
C2615	ECA1HM010GB	ELECT	50V	1µF	
C2618	ECEA1HN010UB	ELECT	50V	1µF	
C2620	ECA1HM010GB	ELECT	50V	1µF	
C2621	ECA1HM010GB	ELECT	50V	1µF	
C2622	ECUV1H223KBX	S.M. CAP	50V	22nF	

Cct Ref	Parts Number	Description		
C2623	ECQM1H474J	FILM	50V	470nF
C2624	ECQM1H474J	FILM	50V	470nF
C2625	ECQM1H474J	FILM	50V	470nF
C2627	ECQM1H474J	FILM	50V	470nF
C2628	ECEA1HN010UB	ELECT	50V	1µF
C2629	ECEA1HN010UB	ELECT	50V	1µF
C2631	ECUV1H101JCX	S.M. CAP	50V	100pF
C2632	ECA1HM330B	ELECT	50V	33µF
C2633	ECJ2VF1H103Z	ELECT	350V	10nF
C2634	ECA1HM010GB	ELECT	50V	1µF
C2635	ECUV1H222KBX	S.M. CAP	50V	2.2nF
C2636	ECA1HM010GB	ELECT	50V	1µF
C2637	ECJ2VF1H103Z	ELECT	350V	10nF
C2638	ECQM1H474J	FILM	50V	470nF
C2639	ECUV1H102KBX	S.M. CAP	50V	1nF
C2641	ECUV1H101JCX	S.M. CAP	50V	100pF
C2642	ECA1HM330B	ELECT	50V	33µF
C2643	ECJ2VF1H103Z	ELECT	350V	10nF
C2644	ECA1HM010GB	ELECT	50V	1µF
C2645	ECUV1H222KBX	S.M. CAP	50V	2.2nF
C2646	ECA1HM010GB	ELECT	50V	1µF
C2647	ECJ2VF1H103Z	ELECT	350V	10nF
C2648	ECQM1H474J	FILM	50V	470nF
C2649	ECUV1H102KBX	S.M. CAP	50V	1nF
C2651	ECUV1H101JCX	S.M. CAP	50V	100pF
C2652	ECA1HM330B	ELECT	50V	33µF
C2653	ECJ2VF1H103Z	ELECT	350V	10nF
C2654	ECA1HM010GB	ELECT	50V	1µF
C2655	ECUV1H222KBX	S.M. CAP	50V	2.2nF
C2656	ECA1HM010GB	ELECT	50V	1µF
C2657	ECJ2VF1H103Z	ELECT	350V	10nF
C2658	ECQM1H474J	FILM	50V	470nF
C2671	ECA1HM470GB	ELECT	50V	47µF
C2672	ECA1HM220GB	ELECT	50V	22µF
C2675	ECUV1H224ZFX	S.M. CAP	50V	220nF
C2676	ECA1HM010GB	ELECT	50V	1µF
C2678	ECQM1H474J	FILM	50V	470nF
C2679	ECA1VM102GB	ELECT	35V	1nF
C2687	ECUV1H102KBX	S.M. CAP	50V	1nF
C3001	ECJ2VF1H103Z	ELECT	350V	10nF
C3002	ECA1CM470GB	ELECT	16V	47µF
C3003	ECUV1H102ZFX	S.M. CAP	50V	1nF
C3004	ECUV1H104ZFX	S.M. CAP	50V	100nF
C3005	ECUV1H104ZFX	S.M. CAP	50V	100nF
C3006	ECA1HM4R7GB	ELECT	50V	4.7µF
C3007	ECA1HM4R7GB	ELECT	50V	4.7µF
C3008	ECUV1H104ZFX	S.M. CAP	50V	100nF
C3009	ECUV1H473ZFX	S.M. CAP	50V	47nF
C3010	ECUV1H680JCX	S.M. CAP	50V	68pF
C3011	ECA1CM221GB	ELECT	16V	220µF
C3012	ECA1CM470GB	ELECT	16V	47µF
C3013	ECA1CM470GB	ELECT	16V	47µF
C3014	EEUNA1A470B	CERAMIC	10V	47µF
C3015	ECUV1H104ZFX	S.M. CAP	50V	100nF
C3016	ECA1CM470GB	ELECT	16V	47µF
C3017	ECUV1H104ZFX	S.M. CAP	50V	100nF
C3018	ECUV1H104ZFX	S.M. CAP	50V	100nF
C3021	ECA1CM471GB	ELECT	16V	470µF
C3022	ECA1CM102B	ELECT	16V	470µF
C3023	ECA1HM100GB	ELECT	50V	10µF
C3024	ECA1HM2R2GB	ELECT	50V	2.2µF
C3025	ECA1CM470GB	ELECT	16V	47µF
C3027	ECJ2VF1H104Z	ELECT	350V	100nF
C3028	ECUV1H470JRX	S.M. CAP	50V	100nF
C3120	ECUV1H103KBX	S.M. CAP	50V	10nF
C3122	ECUV1H102KBX	S.M. CAP	50V	1nF

Cct Ref	Parts Number	Description		
C3123	ECUV1H103KBX	S.M. CAP	50V	10nF
C3124	ECUV1H102KBX	S.M. CAP	50V	1nF
C3255	ECA1HM4R7GB	ELECT	50V	4.7µF
C3256	ECA1HM4R7GB	ELECT	50V	4.7µF
C3282	ECKC1H561J	CERAMIC	50V	560pF
C3284	ECKC1H561J	CERAMIC	50V	560pF
C3351	ECA1CM221GB	ELECT	16V	220µF
C3401	ECEA1HKA100	ELECT	50V	220µF
C3402	ECUV1H561JCX	S.M. CAP	50V	560pF
C3403	ECUV1H561JCX	S.M. CAP	50V	560pF
C3404	ECUV1H561JCX	S.M. CAP	50V	560pF
C3405	ECUV1H561JCX	S.M. CAP	50V	560pF
C3406	ECUV1H561JCX	S.M. CAP	50V	560pF
C3407	ECUV1H561JCX	S.M. CAP	50V	560pF
C3408	ECUV1H561JCX	S.M. CAP	50V	560pF
C3409	ECEA1HKA4R7	ELECT	50V	560pF
C3410	ECEA1HKA100	ELECT	50V	560pF
C3411	ECUV1H561JCX	S.M. CAP	50V	560pF
C3412	ECEA1HKA4R7	ELECT	50V	560pF
C3413	ECUV1H102JCX	S.M. CAP	50V	1nF
C3414	ECEA1HKA100	ELECT	50V	1nF
C3415	ECEA1HKA100	ELECT	50V	1nF
C3416	ECEA1HKA4R7	ELECT	50V	1nF
C3417	ECEA1HKA100	ELECT	50V	1nF
C3418	ECEA1HKA100	ELECT	50V	1nF
C3419	ECUV1H561JCX	S.M. CAP	50V	560pF
C3420	ECUV1H561JCX	S.M. CAP	50V	560pF
C3421	ECUV1H561JCX	S.M. CAP	50V	560pF
C3422	ECUV1H561JCX	S.M. CAP	50V	560pF
C3423	ECUV1H561JCX	S.M. CAP	50V	560pF
C3424	ECUV1H561JCX	S.M. CAP	50V	560pF
C3425	ECUV1H561JCX	S.M. CAP	50V	560pF
C3426	ECUV1H561JCX	S.M. CAP	50V	560pF
C3427	ECUV1H102JCX	S.M. CAP	50V	1nF
C3428	ECEA1HKA4R7	ELECT	50V	1nF
C3429	ECEA1CKA220	ELECT	16V	1nF
C3430	ECEA1HKA4R7	ELECT	50V	1nF
C3431	ECEA1CN470	ELECT	16V	47µF
C3432	ECUV1H104ZFX	S.M. CAP	50V	100nF
C3433	ECA1CM221GB	ELECT	16V	220µF
C3434	ECUV1H561JCX	S.M. CAP	50V	560pF
C3435	ECEA1HKA100	ELECT	50V	560pF
C3436	ECUV1H561JCX	S.M. CAP	50V	560pF
C3437	ECUV1H561JCX	S.M. CAP	50V	560pF
C3438	ECEA1HKA4R7	ELECT	50V	560pF
C3439	ECUV1H561JCX	S.M. CAP	50V	560pF
C3440	ECUV1H561JCX	S.M. CAP	50V	560pF
C3441	ECEA1HKA100	ELECT	50V	560pF
C3442	ECUV1H561JCX	S.M. CAP	50V	560pF
C3443	ECUV1H561JCX	S.M. CAP	50V	560pF
C3444	ECEA1HKA4R7	ELECT	50V	560pF
C3445	ECUV1H102JCX	S.M. CAP	50V	1nF
C3446	ECEA1HKA4R7	ELECT	50V	1nF
C3447	ECUV1H561JCX	S.M. CAP	50V	560pF
C3460	ECUV1H561JCX	S.M. CAP	50V	560pF
C3461	ECUV1H561JCX	S.M. CAP	50V	560pF
C3496	ECUV1H561JCX	S.M. CAP	50V	560pF
C3498	ECUV1H561JCX	S.M. CAP	50V	560pF
C3802	ECA1CM100GB	ELECT	16V	10µF
C3803	ECA1EM100GB	ELECT	25V	0.1µF
C3804	ECUV1H104ZFX	S.M. CAP	50V	100nF
C3805	ECUV1H224ZFX	S.M. CAP	50V	220nF
C3806	ECA1HM101GB	ELECT	50V	100µF
C3807	ECA1HM100GB	ELECT	50V	10µF
C3808	ECA1CM470GB	ELECT	16V	47µF
C3814	ECA1HM010GB	ELECT	50V	1µF

Cct Ref	Parts Number	Description		
C3816	ECA1CM471GB	ELECT	16V	470µF
C3817	ECA1CM221GB	ELECT	16V	220µF
C3818	ECUV1H103KBX	S.M. CAP	50V	10nF
C3819	ECA1HM010GB	ELECT	50V	1µF
C3821	ECA1HM010GB	ELECT	50V	1µF
C3823	ECUV1H104ZFX	S.M. CAP	50V	100nF
C3824	ECUV1H103KBX	S.M. CAP	50V	10nF
C3825	ECJ2VB1C224K	ELECT	350V	220nF
TERMINALS AND LINKS				
JK2401	TJB8E019	2 WAY PUSH TERMINAL		
JK2402	TJB8E015	RCA TERMINAL(3P)		
JK2403	TJB8E015	RCA TERMINAL(3P)		
JK2551	TJB18924-1	A.V. TERMINAL		
JK3281	TJB16656	A.V. TERMINAL		
JK3401	1364-21-21	SCART SOCKET		
JK3402	1364-21-21	SCART SOCKET		
JK3403	1364-21-21	SCART SOCKET		
R847	TSF19252	FS LINK		⚠
R848	TSF19402	FS LINK		⚠
R1914	TSF19161	FS LINK		⚠
R2557	TSF19252	FS LINK		⚠
R2567	TSF19402	FS LINK		⚠
R2568	TSF19252	FS LINK		⚠
SWITCHES				
S840	ESB92S11B	SWITCH		⚠
S1071	EVQ23405R	SWITCH		
S1072	EVQ23405R	SWITCH		
S1073	EVQ23405R	SWITCH		
S1074	EVQ23405R	SWITCH		
S1075	EVQ23405R	SWITCH		

SCHEMATIC DIAGRAMS FOR MODEL

TX-W32D4DP

(EURO-5 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 ¼W 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
   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.

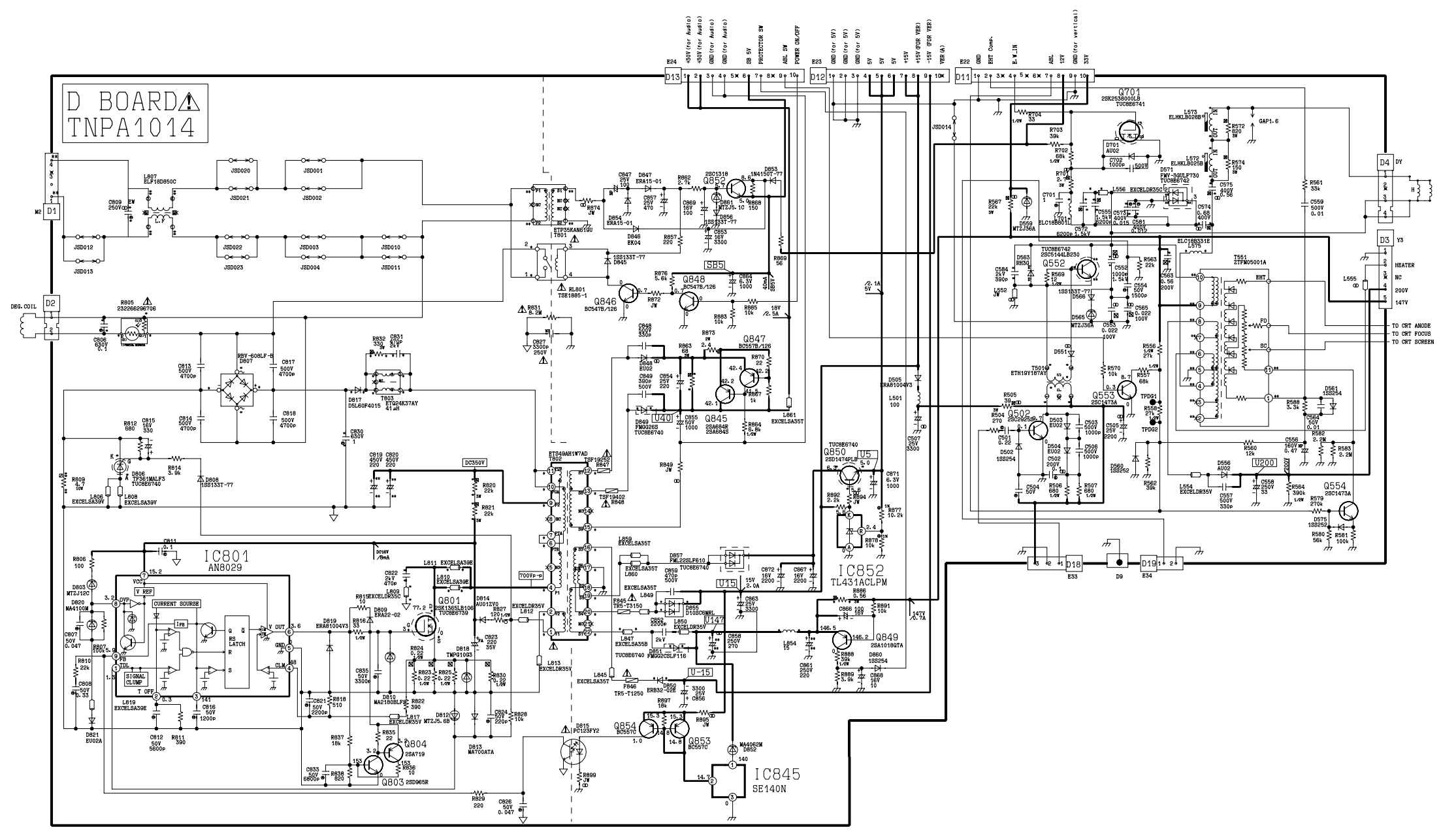
b. Do not short circuit the hot and cold circuits as electrical components may be damaged.

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.


D BOARD⚠
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IC801
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IC852
TL431ACLPM
IC845
SE140N
Q701
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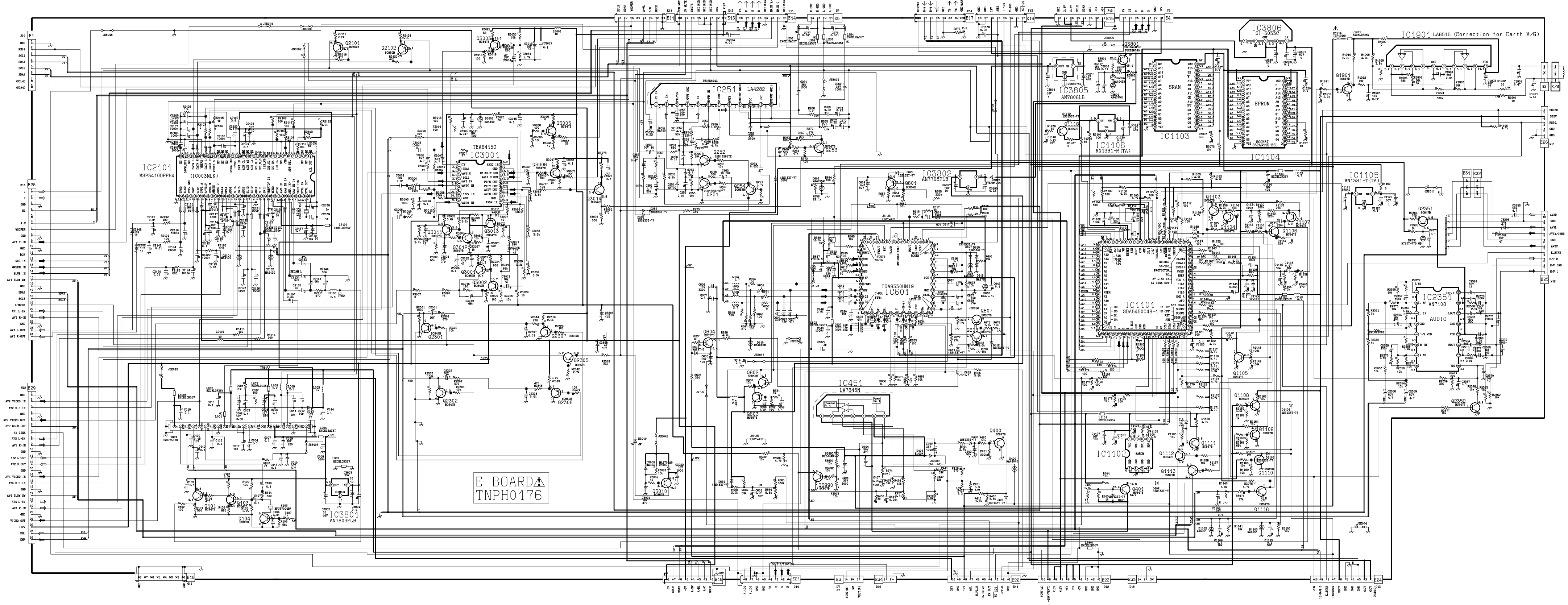
TUCBE6741
Q552
2SC5144LBJ230
Q553
2SC1473A
Q502
2SC2655-Y
Q850
2SD1474FLB
Q554
2SC1473A
Q849
2SA1018QTA
Q852
2SC1318
Q848
BC547B/126
Q847
BC557B/126
Q846
BC547B/126
Q845
2SA684R
2SA684S
Q854
BC557C
Q853
BC557C
Q801
2SK1365LBL106
TUCBE6739
Q804
2SA719
Q803
2SD965R
U40
U5
U15
U147
U-15
U200
T501
ETH19Y167AY
T551
2TFM05001A
T603
ETG24K37AY
41 uH
T802
ET349AH1W7AD
RL801
TSE1885-1
D1
D2
D3
D4
D9
D11
D12
D13
D18
D19
M2
DEG. COIL
HEATER
NC
200V
147V
DY
Y3
TO CRT ANODE
TO CRT FOCUS
TO CRT SCREEN
+30V(for Audio)
+30V(for Audio)
GND(for Audio)
GND(for Audio)
SB 5V
PROTECTOR SW
ABL SW
POWER ON/OFF
GND(for 5V)
GND(for 5V)
GND(for 5V)
5V
5V
+15V
+15V(FOR VER)
-15V(FOR VER)
VER(A)
GND
EHT Comp.
H_V_IN
ABL
12V
GND(for vertical)
33V
JSD001
JSD002
JSD003
JSD004
JSD010
JSD011
JSD012
JSD013
JSD014
JSD020
JSD021
JSD022
JSD023
L.F
DC350V
700Vp-p
147V/0.7A
146.2
146.5
15.2
15.3
14.8
14.7
14.0
3.6
3.2
3.0
2.4
1.0
0.7
0.3
0.0
77.2
42.4
42.2
41.1
40mA/135V
18V/0.5A
5V/1.2A
5V/1.1A
DC16V/8mA
V REF
OVP
CURRENT SOURCE
IPB
BS LATCH
V OUT
GND
CLM
FB
TDR
SIGNAL CLAMP
T OFF
VCC
R
S
Q
IO
SB
DY
H
EHT
FO
SC
TPDG1
TPDG2
TO CRT ANODE
TO CRT FOCUS
TO CRT SCREEN


E BOARD
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MSP3410DPPB4
IC3001
TEA6415C
IC251
LA4282
IC3805
AN7808LB
IC3806
SI-3033C
IC1901
LA6515 (Correction for Earth M/G)
IC1103
SRAM
EPROM
IC1104
IC1106
MN1381-R(TA)
IC1105
MN1381-T(TA)
IC3802
AN7706FLB
IC601
TDA9330HN1G
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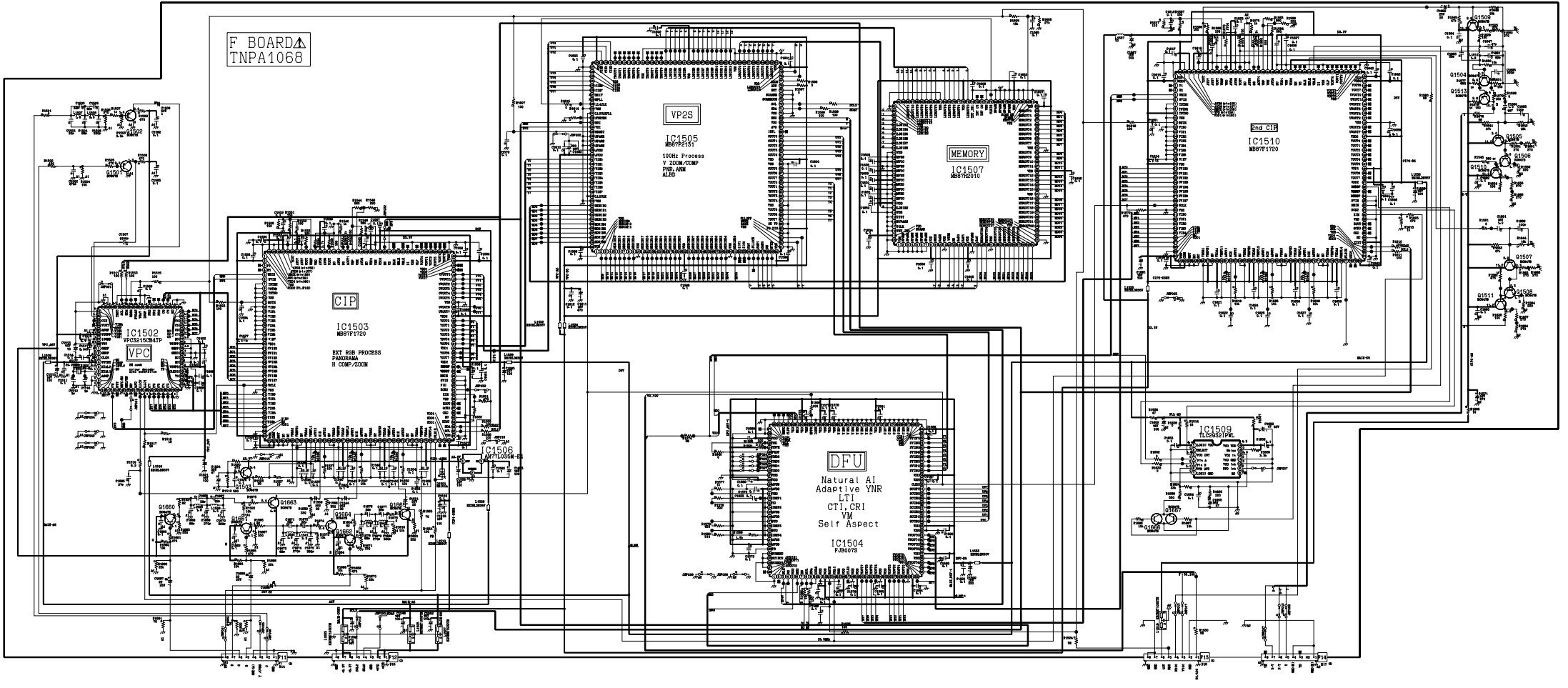
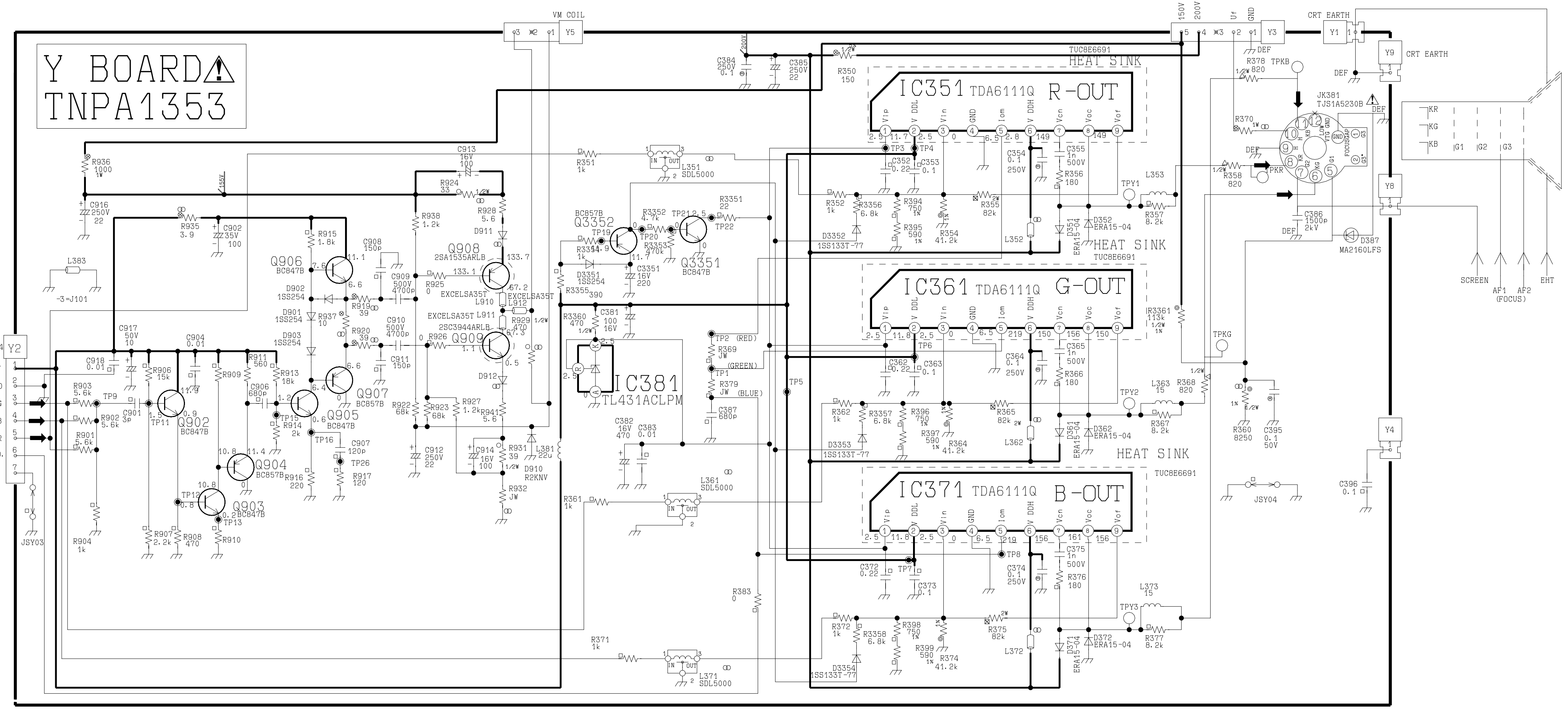
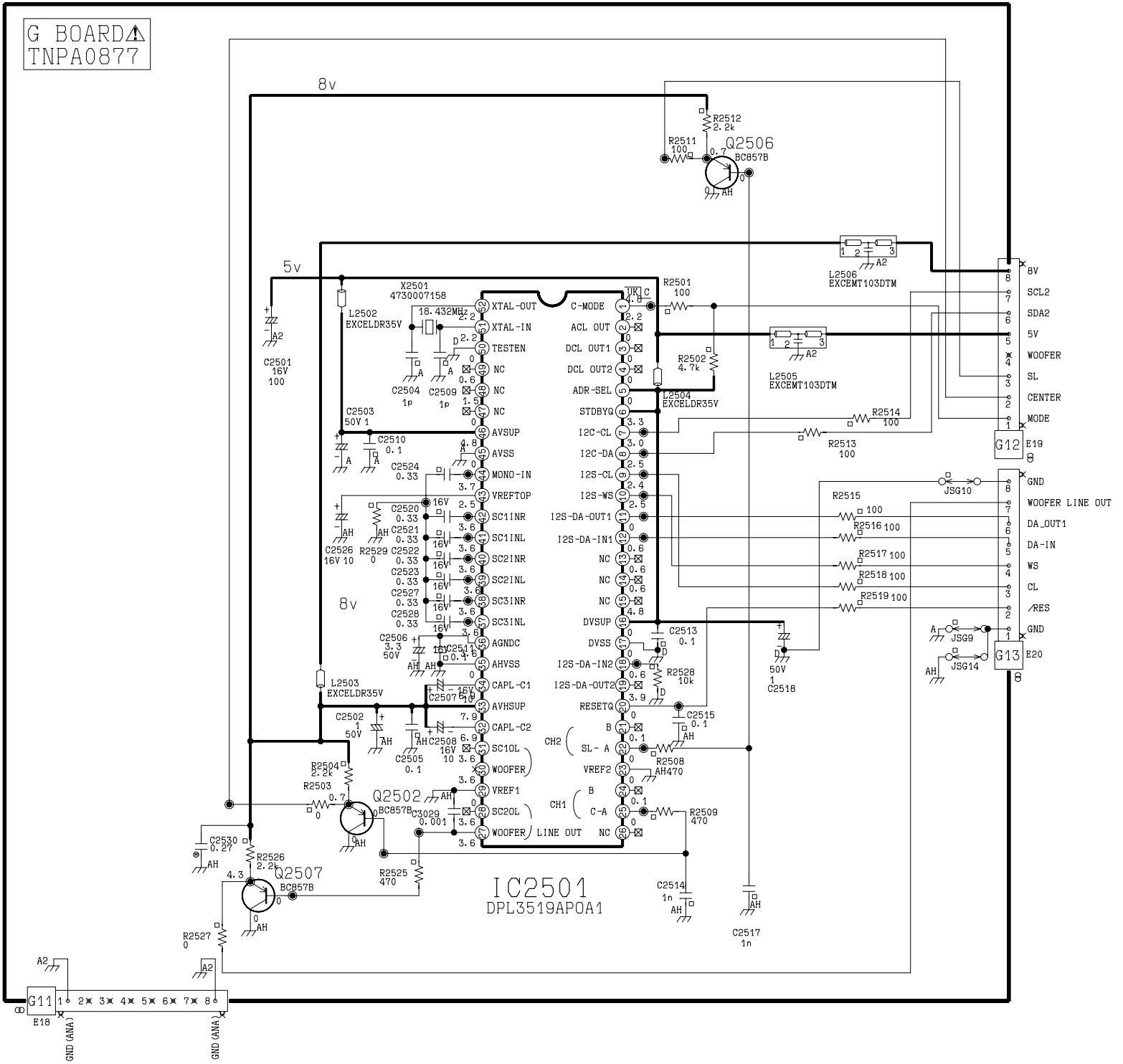
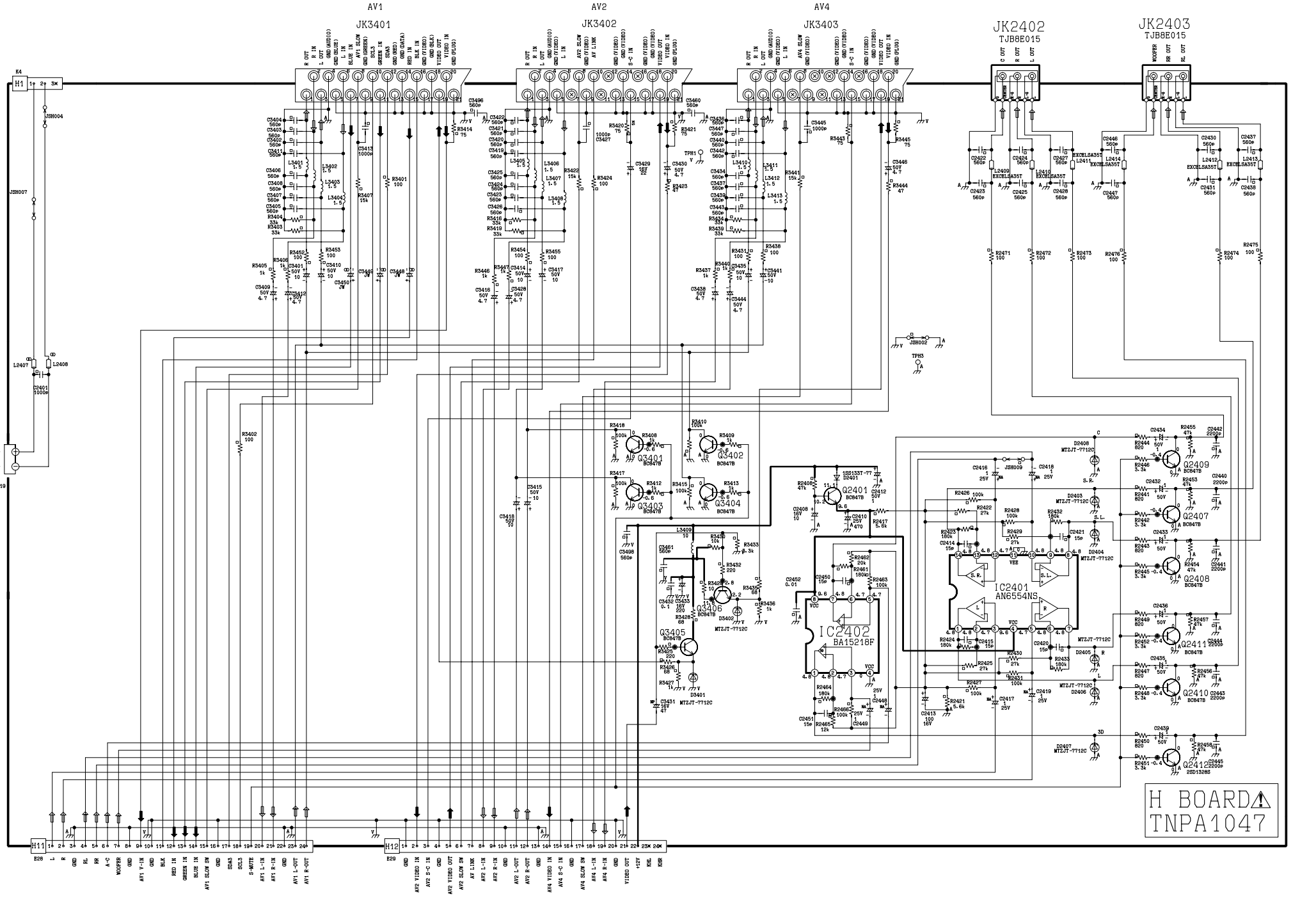

F BOARD⚠
TNPA1068
VP2S
IC1505
MB87P2131
100Hz Process
Y ZOOM/COMP
FNR, ANM
ALBO
MEMORY
IC1507
MB87M2010
2nd CIP
IC1510
MB87F1720
CIP
IC1503
MB87F1720
EXT RGB PROCESS
PANORAMA
H COMP/ZOOM
VPC
IC1502
VPC3215CB4TP
IC1506
AN7705M
DFU
Natural AI
Adaptive YNR
LTI
CTI, CRI
VM
Self Aspect
IC1504
FJB007S
IC1509
TLC0832IPWL

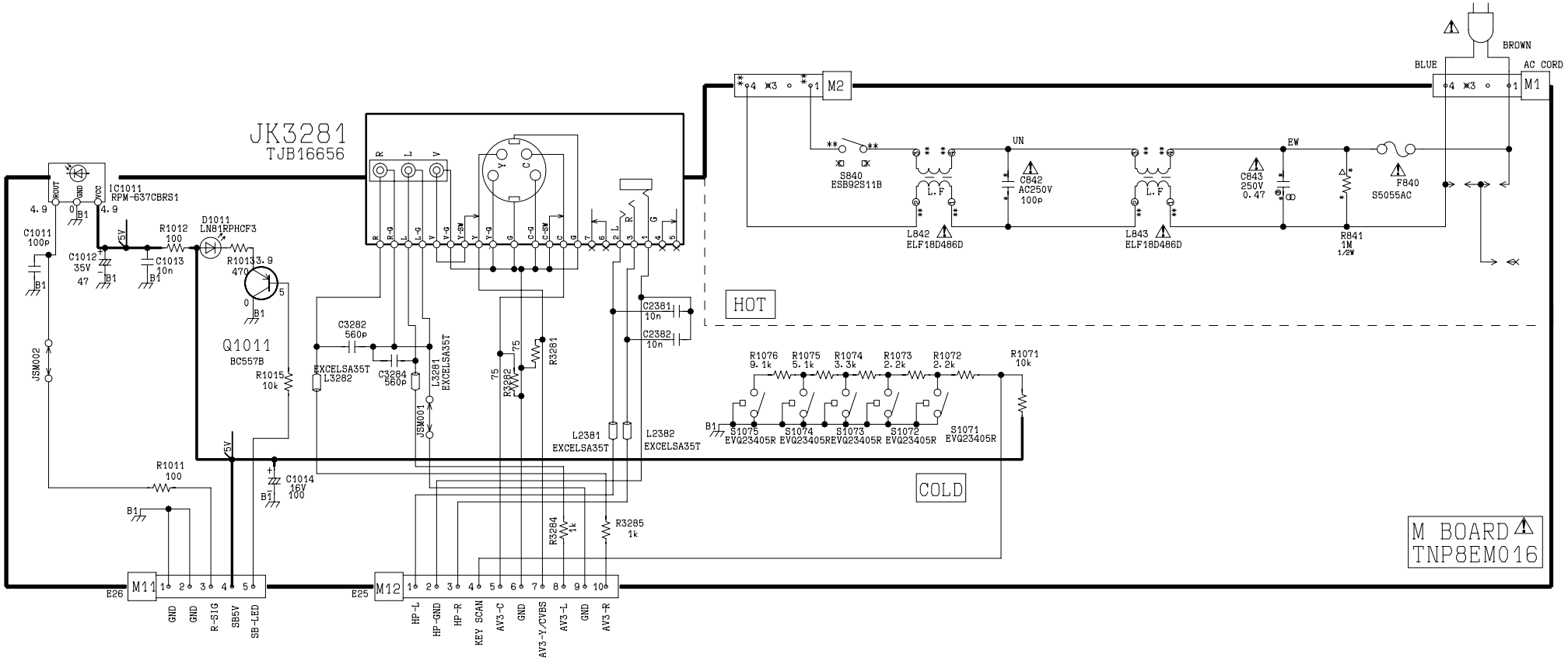


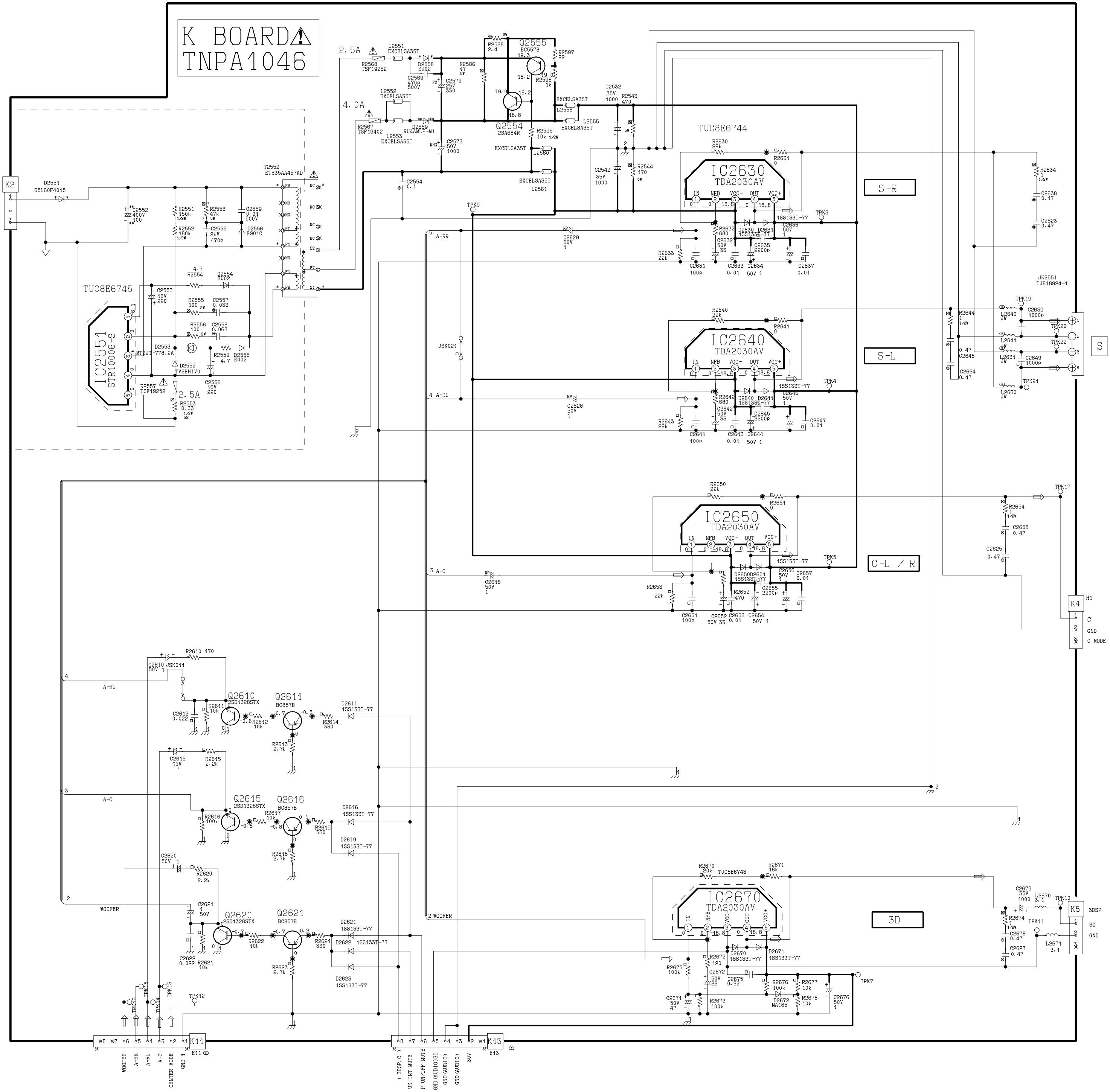
Y BOARD
TNPA1353
IC351 TDA6111Q R-OUT
IC361 TDA6111Q G-OUT
IC371 TDA6111Q B-OUT
IC381 TL431ACLPM
HEAT SINK
TUC8E6691
VM COIL
CRT EARTH
JK381 TJS1A5230B
SCREEN
AF1 (FOCUS)
AF2
EHT
JSY03
JSY04

G BOARD⚠
TNPA0877




AV1
JK3401
AV2
JK3402
AV4
JK3403
JK2402
TJB8E015
JK2403
TJB8E015
IC2401
AN6554NS
IC2402
BA15218F
H BOARD
TNPA1047


JK3281
TJB16656
IC1011
RPM-637CBRS1
D1011
LN81RPHCF3
Q1011
BC557B
R1012
100
R1013
470
R1015
10k
R1011
100
C1011
100p
C1012
35V
47
C1013
10n
C1014
16V
100
C3282
560p
C3284
560p
EXCELSA35T
L3282
L3281
EXCELSA35T
R3281
75
R3282
75
C2381
10n
C2382
10n
L2381
EXCELSA35T
L2382
EXCELSA35T
R1076
9.1k
R1075
5.1k
R1074
3.3k
R1073
2.2k
R1072
2.2k
R1071
10k
S1075
EVQ23405R
S1074
EVQ23405R
S1073
EVQ23405R
S1072
EVQ23405R
S1071
EVQ23405R
R3284
1k
R3285
1k
HOT
COLD
M2
S840
ESB92511B
L842
ELF18D486D
L843
ELF18D486D
C842
AC250V
100p
C843
250V
0.47
R841
1M
1/2W
F840
S5055AC
UN
EW
L.F
BROWN
BLUE
AC CORD
M1
M11
E26
GND
GND
R-SIG
SB5V
SB-LED
M12
E25
HP-L
HP-GND
HP-R
KEY SCAN
AV3-C
GND
AV3-Y/CVBS
AV3-L
GND
AV3-R
M BOARD
TNP8EM016


K BOARD
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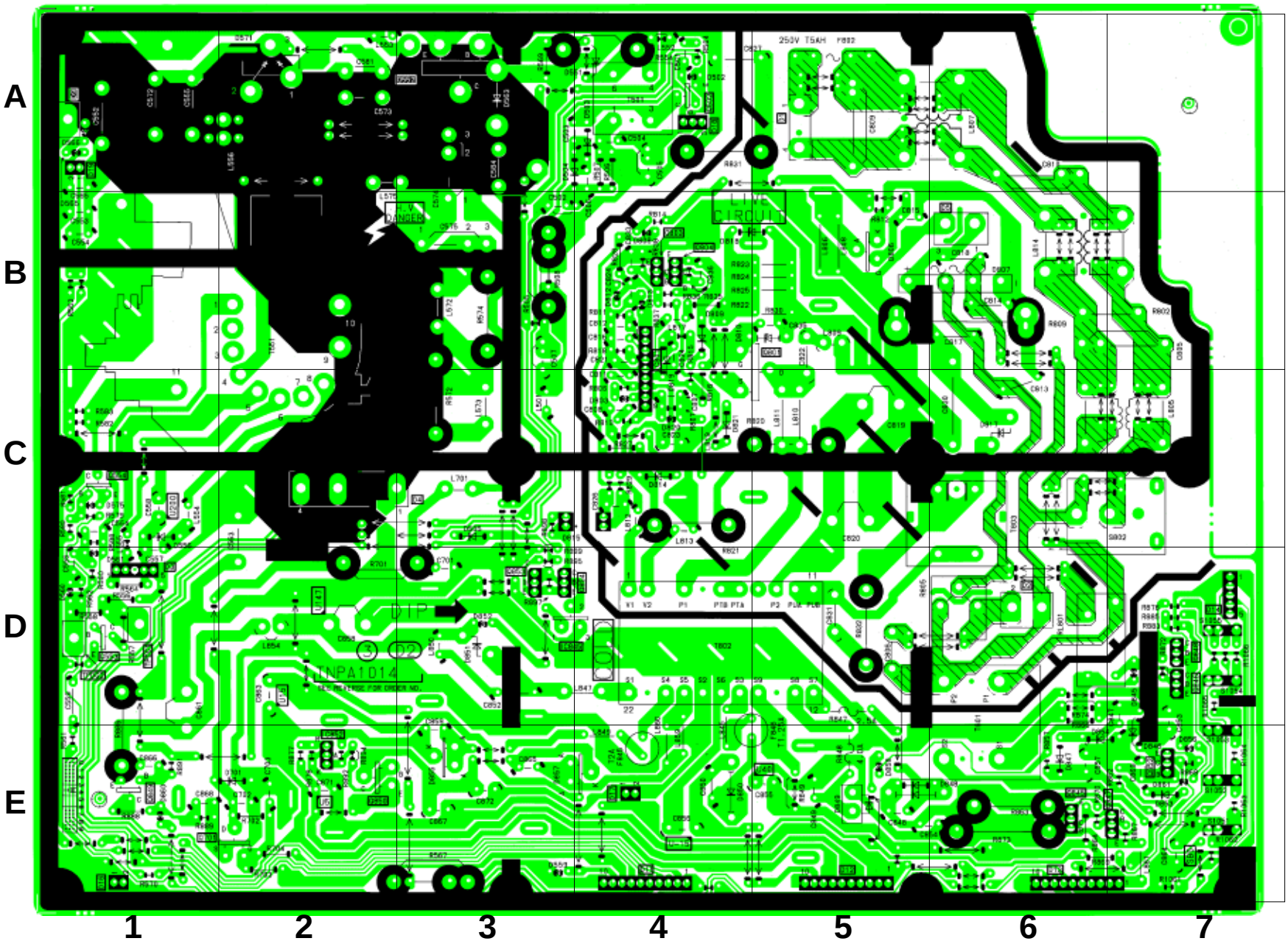
TUC8E6744
IC2551
STR10006-S
IC2630
TDA2030AV
IC2640
TDA2030AV
IC2650
TDA2030AV
IC2670
TDA2030AV
TUC8E6743
T2552
ETS35AA457AD
Q2555
BC557B
Q2554
2SA684R
Q2610
2SD1328STX
Q2611
BC857B
Q2615
2SD1328STX
Q2616
BC857B
Q2620
2SD1328STX
Q2621
BC857B
S-R
S-L
C-L / R
3D
S
K2
K4
K5
K11
K13
JK2551
TJB18924-1
400V
GND
2.5A
4.0A
A-RR
A-RL
A-C
WOOFER
C
C MODE
3DSP
3D
WOOFER
A-RR
A-RL
A-C
CENTER MODE
GND 1
(3DSP,C)
UK INT MUTE
P ON/OFF MUTE
GND(AUDIO)3D
GND(AUDIO)
GND(AUDIO)
30V

D - BOARD TNPA1014

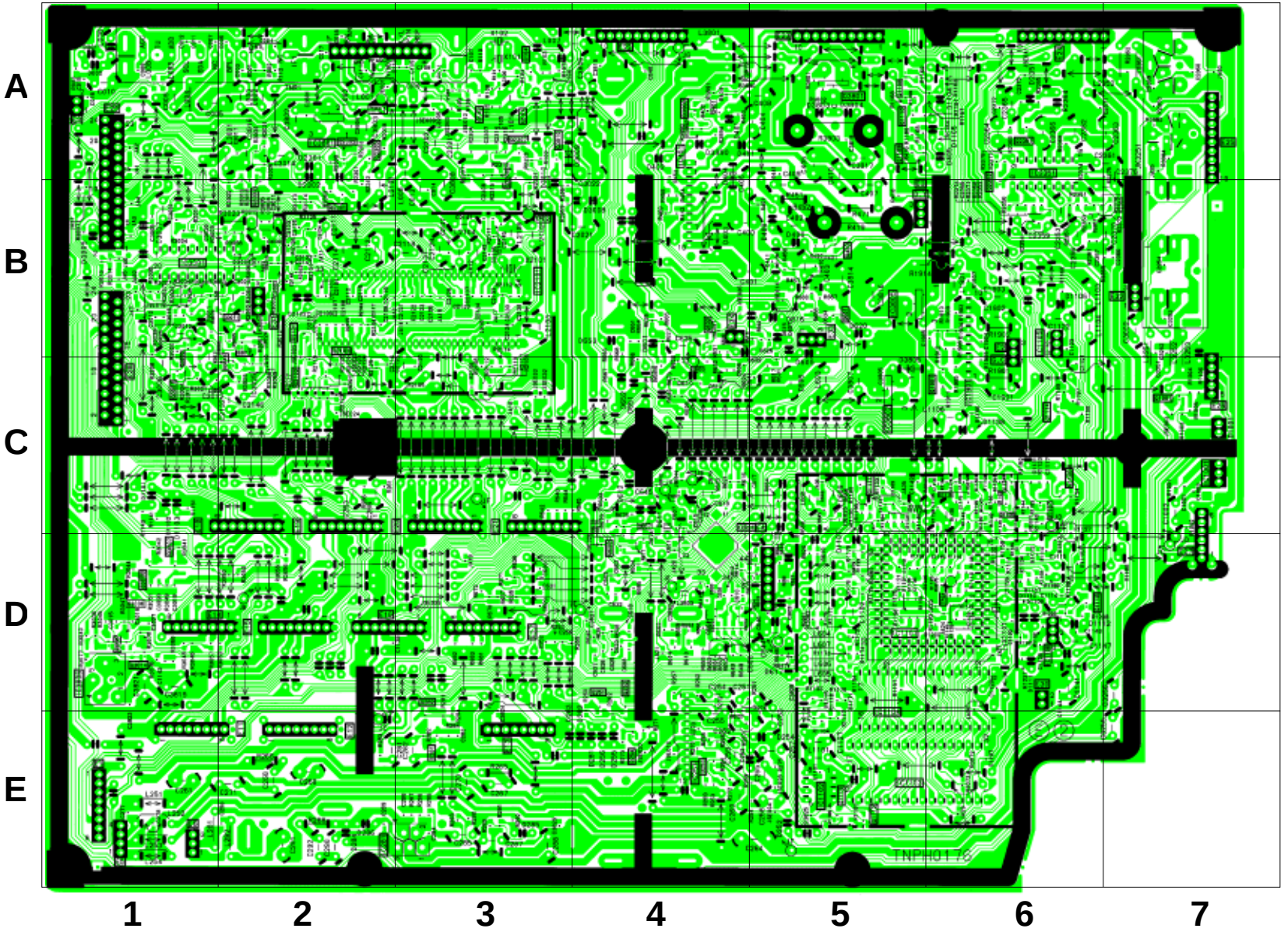
DIODE'S		TRAN'S	
D503	A4	Q502	A4
D504	A3	Q552	A3
D505	C3	Q553	D1
D551	A4	Q554	C1
D556	C1	Q701	E1
D559	E3	Q801	B5
D560	D1	Q803	B4
D561	D1	Q804	B4
D563	A3	Q845	E6
D565	A1	Q846	D7
D566	A1	Q847	E6
D571	A2	Q848	D7
D575	C1	Q849	E1
D701	E2	Q850	E2
D803	C4	Q852	E7
D807	B6	Q853	D3
D808	B4	Q854	D3
D809	B4		
D810	B4	I.C.'S	
D812	B4	IC801	B4
D813	B4	IC845	D3
D814	C4	IC852	E2
D815	C3		
D817	C6	T.P.'S	
D818	B4	TPDG1	D1
D819	B4	TPDG2	D1
D820	C4		
D821	C4		
D845	D7		
D846	D7		
D847	E6		
D848	E5		
D849	E5		
D850	E4		
D851	D3		
D852	D3		
D853	E7		
D854	E6		
D855	E3		
D856	E7		
D857	E3		
D858	E5		
D860	E1		
D861	E7		



CONDUCTOR VIEWS

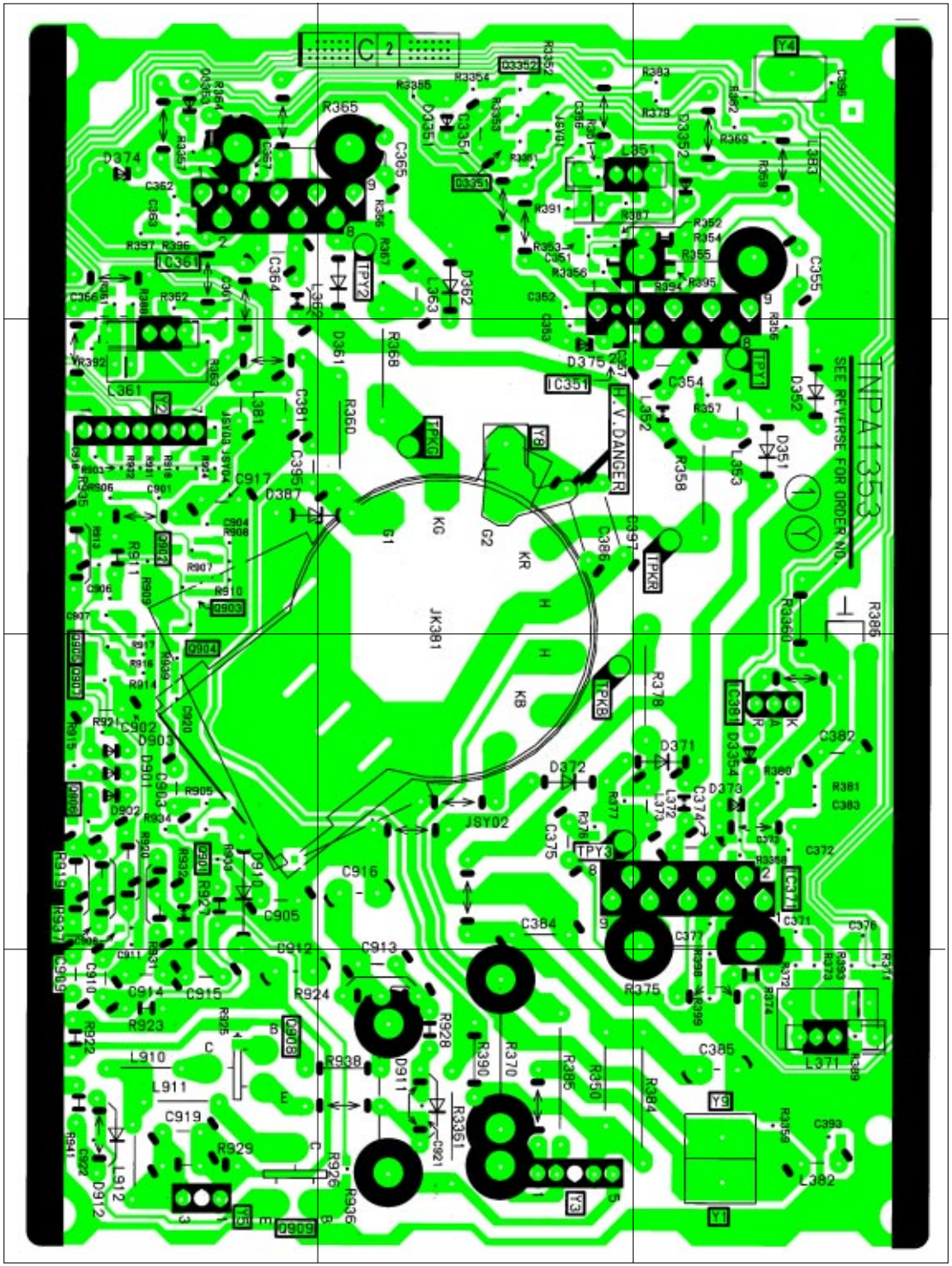
E - BOARD TNPH0176

TRAN'S		DIODE'S			
Q101	A3	D001	A1	D2364	A6
Q103	A3	D002	A1	D3005	B1
Q104	A3	D252	E5	D3006	B2
Q251	D4	D253	E5	D3008	B4
Q252	D4	D254	E5	D3009	A3
Q253	E4	D255	E4	D3010	A3
Q254	E4	D256	E4	D3011	B1
Q281	E3	D281	E4	D3803	A5
Q282	D3	D282	E4	D3804	A5
Q400	B5	D283	E4	D3805	C5
Q401	A4	D284	E2	D3990	A4
Q601	B5	D285	E3		
Q602	B4	D286	E2	I.C.'S	
Q603	C4	D400	B5	IC251	E4
Q604	C4	D401	A4	IC281	E2
Q607	C4	D402	A4	IC451	A4
Q608	D4	D403	B4	IC601	C4
Q1001	C7	D404	A4	IC1001	C7
Q1105	C6	D405	A6	IC1101	D5
Q1106	C6	D408	B5	IC1102	E5
Q1107	C6	D411	A4	IC1103	E5
Q1108	A5	D601	B4	IC1104	D5
Q1109	A5	D603	D5	IC1105	B6
Q1110	A5	D605	B5	IC1106	D6
Q1111	C5	D607	B5	IC1901	C6
Q1112	E5	D609	B5	IC2101	B3
Q1113	E5	D610	C4	IC2351	A6
Q1114	C6	D611	C4	IC3001	B1
Q1116	C6	D612	C4	IC3801	A2
Q1118	D6	D615	B5	IC3802	C5
Q1901	C6	D616	B5	IC3805	B5
Q2101	B2	D617	D5	IC3806	D1
Q2102	C2	D618	C4		
Q2103	B2	D620	B5	T.P.'S	
Q2301	B2	D651	C4	TPE1	A2
Q2302	A2	D652	C4	TPE2	B3
Q2305	A2	D653	B4	TPE23	D6
Q2307	A3	D1001	C7		
Q2308	A3	D1101	C1		
Q2351	A6	D1102	C1		
Q2352	A6	D1103	C1		
Q3001	C1	D1104	A6		
Q3002	B1	D1105	A6		
Q3003	B2	D1106	B6		
Q3005	D1	D1107	C5		
Q3006	D1	D1108	C6		
Q3007	D1	D1109	D6		
Q3008	D1	D1110	D6		
Q3010	A3	D1111	D6		
Q3011	B2	D1112	D6		
Q3012	B2	D2101	B2		
Q3013	B2	D2102	B2		
Q3014	D1	D2301	A2		
Q3801	A5	D2302	A2		
Q3990	A4	D2351	A6		



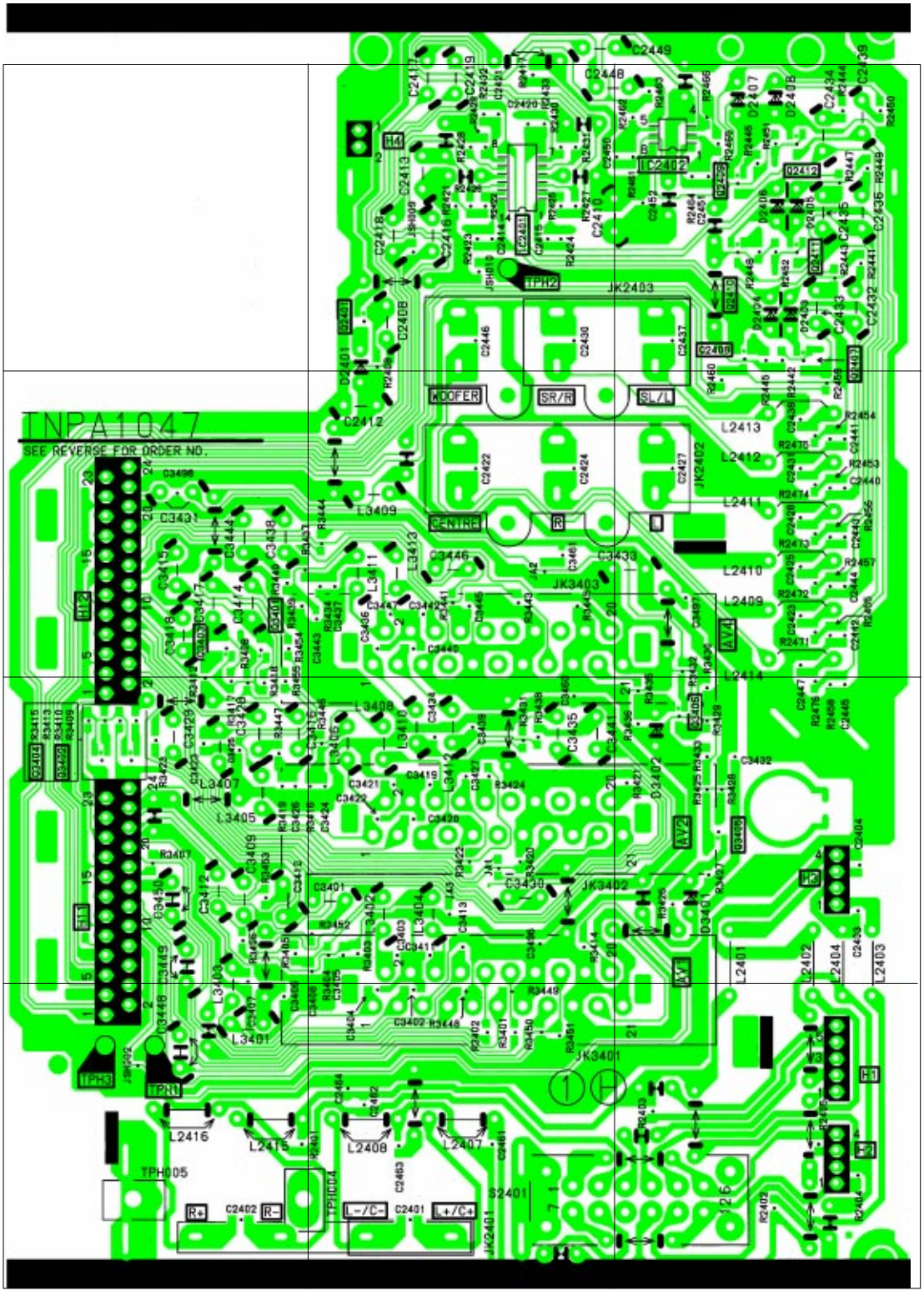
Y - BOARD TNPA1353

TRAN'S	
Q901	C1
Q902	B1
Q903	B1
Q904	C1
Q906	C1
Q908	D1
Q909	D1
Q3351	A2
Q3352	A2
DIODE'S	
D351	B3
D352	B3
D361	A2
D362	A2
D371	C3
D372	C2
D373	C3
D374	A1
D375	B2
D387	B1
D901	C1
D902	C1
D903	C1
D910	C1
D911	D2
D3351	A2
D3352	A3
D3353	A1
D3354	C3
T.P.'S	
TPY1	B3
TPY2	A2
TPY3	C2
TPKR	B3
TPKG	B2
TPKB	C2
I.C.'S	
IC351	B2
IC361	A1
IC371	C3
IC381	C3



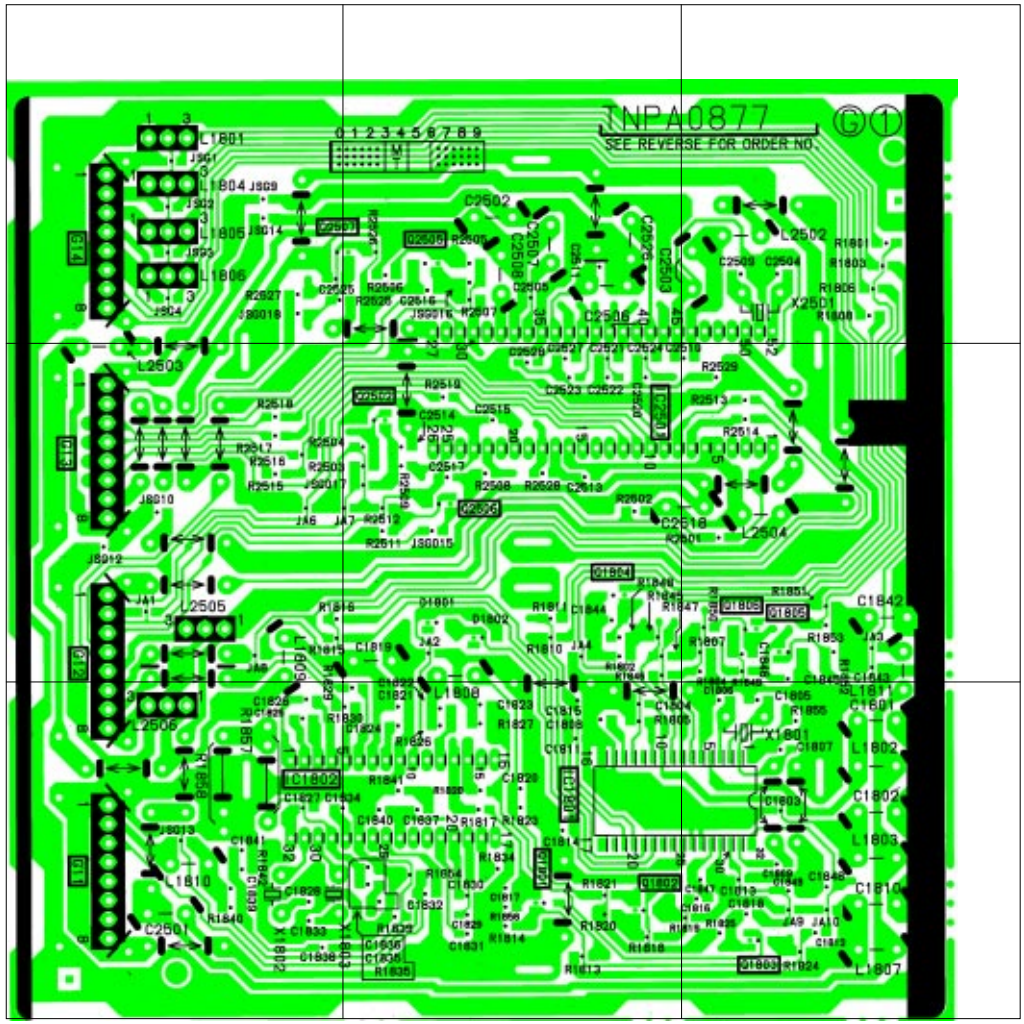
H - BOARD TNPA1047

TRAN'S	
Q2401	A2
Q2407	A3
Q2408	A3
Q2409	A3
Q2410	A3
Q2411	A3
Q2412	A3
Q3401	B1
Q3402	C1
Q3403	B1
Q3404	C1
Q3405	C3
Q3406	C3
DIODE'S	
D2401	A2
D2403	A3
D2404	A3
D2405	A3
D2406	A3
D2407	A3
D2408	A3
D3401	C3
D3402	C3
T.P.'S	
TPH1	D1
TPH2	A2
TPH3	D1
TPH004	D1
TPH005	D1
I.C.'S	
IC2401	A2
IC2402	A3



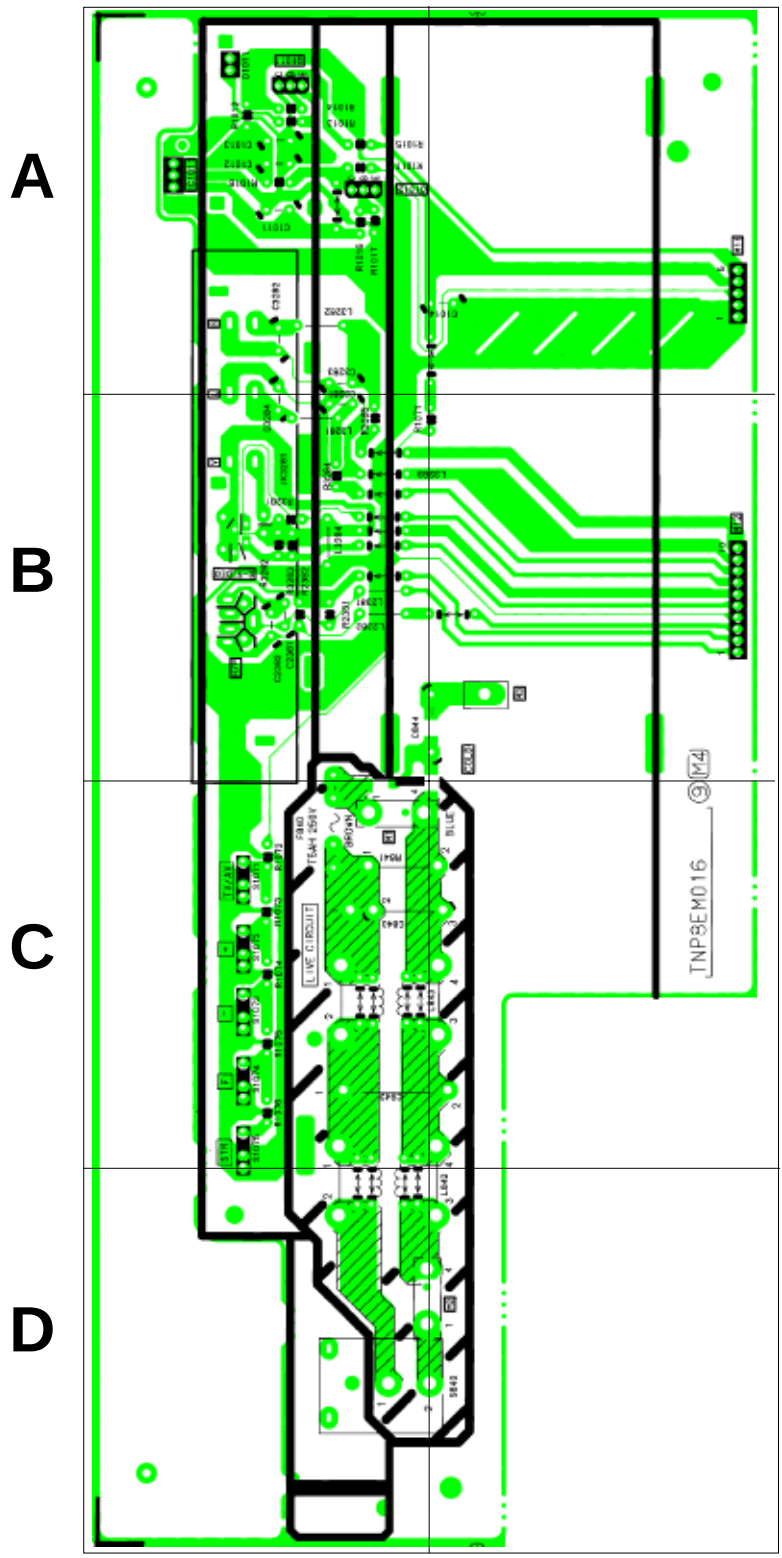
G - BOARD TNPA00877

TRAN'S	
Q1801	C2
Q1802	C2
Q1803	C3
Q1804	B2
Q1805	B3
Q1806	B3
Q2502	B2
Q2505	A2
Q2506	B2
Q2507	A1
I.C.'S	
IC1801	C2
IC1802	C1
IC2501	B2
DIODE'S	
D1801	B2
D1802	B2



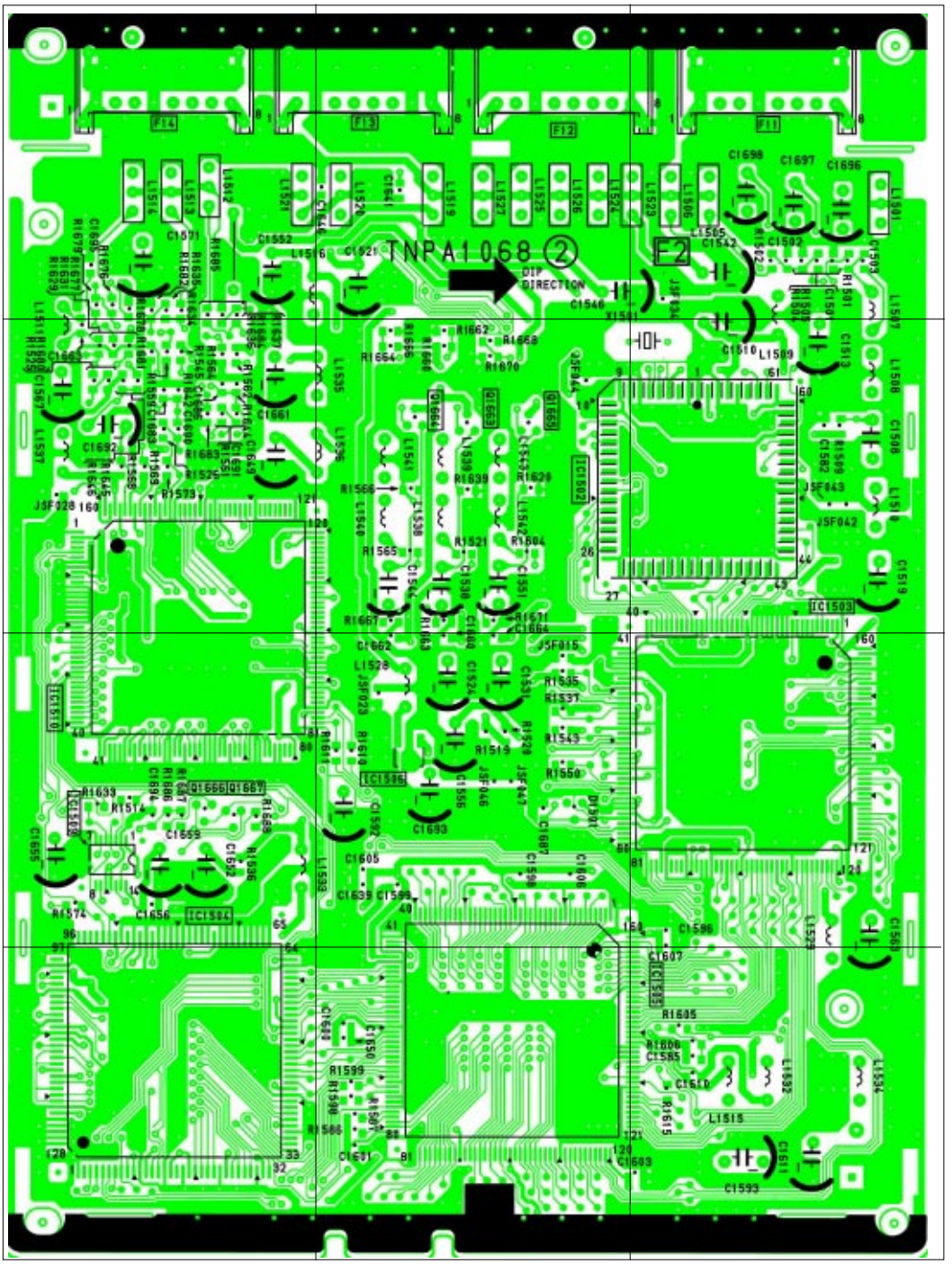
M - BOARD TNP8E016

TRAN'S	
Q1011	A1
Q1012	A1
DIODE'S	
D1011	A1
I.C.'S	
IC1011	A1



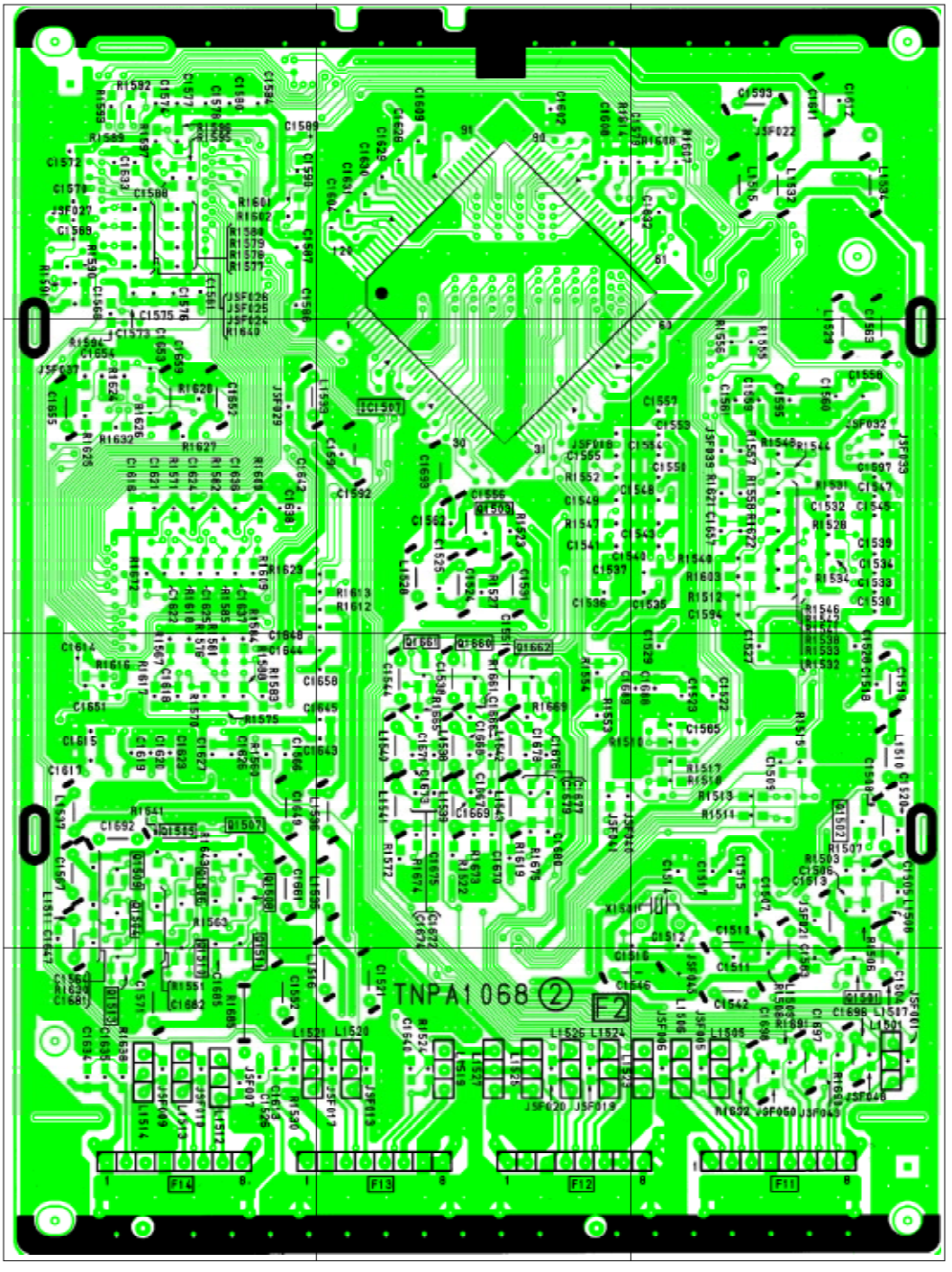
F - BOARD TNPA1068

TRAN'S	
Q1663	B2
Q1664	B2
Q1665	B2
Q1666	C1
Q1667	C1
I.C.'S	
IC1502	B3
IC1503	C3
IC1504	D1
IC1505	D2
IC1506	C2
IC1509	C1
IC1510	C1



F - BOARD TNPA1068

TRAN'S	
Q1501	D3
Q1502	C3
Q1503	B2
Q1504	C1
Q1505	C1
Q1506	C1
Q1507	C1
Q1508	C1
Q1509	C1
Q1510	D1
Q1511	D1
Q1519	D1
Q1660	C2
Q1661	C2
Q1662	C2
I.C.'S	
IC1507	B2



K - BOARD TNPA1046

DIODE'S		T.P.'S	
D2551	A4	TPK001	E4
D2552	B1	TPK002	E6
D2553	A2	TPK4	D5
D2554	A2	TPK5	D3
D2555	A1	TPK6	D3
D2556	B2	TPK7	A6
D2558	C2	TPK8	C7
D2559	D1	TPK9	B4
D2605	D6	TPK10	E1
D2610	C5	TPK11	E1
D2611	C7	TPK12	D7
D2615	C6	TPK13	C6
D2616	B6	TPK14	D7
D2619	B6	TPK15	D7
D2620	B6	TPK16	D7
D2621	B6	TPK17	D2
D2622	B6	TPK18	D2
D2623	B6	TPK19	D4
D2630	D5	TPK20	D5
D2631	D6	TPK21	D5
D2640	D5	TPK22	D5
D2641	D4		
D2650	C3	TRAN'S	
D2651	D3	Q2554	C3
D2660	D3	Q2555	C3
D2661	D3	Q2605	D6
D2670	A6	Q2610	C6
D2671	A6	Q2611	C6
D2672	B6	Q2615	B6
D2680	D6	Q2616	C6
		Q2620	B6
I.C.'S		Q2621	B6
IC2551	A2	Q2672	E6
IC2630	C5		
IC2640	D5		
IC2650	C3		
IC2660	D3		
IC2670	A6