

TX-W32/28D3F/P Service Manual

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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

Video / Audio

Control



BACK

B2 - PCB

D - PCB

E - PCB

F - PCB

H - PCB

M1 - PCB

Y - PCB



BACK

B2 - Schematic

D - Schematic

E - Schematic

F - Schematic

H - Schematic

M1 - Schematic

Y - Schematic



BACK

Service Manual



Colour Television

TX-W32D3F/P

TX-W28D3F/P

EURO-3HW Chassis

SPECIFICATIONS

(Information in brackets {} refer to TX-W28D3F/P)

Power Source :	220 – 240 V AC, 50Hz
Power Consumption :	194W {193W}
Standby Power Consumption :	1W
Aerial Impedance :	75Ω unbalanced, Coaxial Type
Receiving System :	PAL-I, B, G, D, K, H, PAL 60, SECAM B, G, D, K, L/L' MNTSC, NTSC (AV Only)
Receiving Channels :	VHF E2 – E12 VHF H1 – H2 (ITALY) VHF A – H (ITALY) VHF R1 – R2 VHF R3 – R5 VHF R6 – R12 UHF E21 – E69 CATV (S01 – S05) CATV S1 – S10 (M1 – M10) CATV S11 – S20 (U1 – U10) CATV S21 – S41 (HYPERBAND)
Intermediate Frequency :	Video 38.9 MHz, 34MHz Sound 32.9MHz, 33.4 MHz 33.16 MHz, 32.4 MHz, 40.4MHz 34.47 MHz, 34.5 MHz, 34.65 MHz
Colour	
Video / Audio Terminals	
AUDIO MONITOR OUT	Audio (RCA x 2) 500mV rms 1kΩ
AV1 IN	Video (21 pin) 1V p-p 75Ω Audio (21 pin) 500mV rms 10kΩ RGB (21 pin)
AV1 OUT	Video (21 pin) 1V p-p 75Ω Audio (21 pin) 500mV rms 1kΩ

AV2 IN	Video (21 pin) 1V p-p 75Ω Audio (21 pin) 500mV rms 10 kΩ S-Video IN Y: 1V p-p 75Ω (21 pin) C: 0.3V p-p 75Ω
AV2 OUT	Video (21 pin) 1V p-p 75Ω Audio (21 pin) 500mV rms 1kΩ Selectable output (21 pin)
AV3 IN	S-Video IN Y: 1V p-p 75Ω (4-pin) C: 0.3V p-p 75Ω Audio (RCA x 2) 500mV rms 10kΩ Video (RCA x 1) 1V p-p 75Ω
AV4 IN	Video (21 pin) 1V p-p 75Ω Audio (21 pin) 500mV rms 10kΩ
AV4 OUT	Video (21 pin) 1V p-p 75Ω Audio (21 pin) 500mV rms 1kΩ
High Voltage :	30.5 kV ± 1kV
Picture Tube :	W76LFC185X05 76cm {A66EHK51 X71 66cm}
Visible screen size:	106° deflection
Audio Output :	
Internal Speakers	2 x 20W (Music Power) 8 Ω Impedance
Headphones	8 Ω Impedance
Accessories supplied :	Remote Control 2 x R6 (UM3) Batteries
Dimensions :	
Height :	555mm {496.8mm}
Width :	862mm {760mm}
Depth :	553mm {518mm}
Net Weight	52kg {39.7kg}
Specifications are subject to change without notice. Weight and dimensions shown are approximate.	

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- SAFETY PRECAUTIONS
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- SELF CHECK
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- PARTS LOCATION
- REPLACEMENT PARTS LIST
- P.C.B. VIEWS
- SCHEMATIC DIAGRAMS

SAFETY PRECAUTIONS

General Guide Lines

1. It is advisable to insert an isolation transformer in the AC supply before servicing a hot chassis.
2. When servicing, observe the original lead dress in the high voltage circuits. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
3. After servicing, see 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 AC outlet.
5. Potentials as high as 31.5kV are present when this receiver is in operation. Operation of the receiver without the rear cover involves the danger of a shock hazard from the receiver power supply. Servicing should not be attempted by anyone who is not familiar with the precautions necessary when working on high voltage equipment. Always discharge the anode of the picture to the chassis before handling the tube.
6. After servicing make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

1. Unplug the AC 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 AC plug and each exposed metallic cabinet part on the receiver, such as screw heads, aerials, connectors, control shafts etc. When the exposed metallic part has a return path to the chassis the reading should be between 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 AC cord directly into the AC 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 AC 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 AC 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.

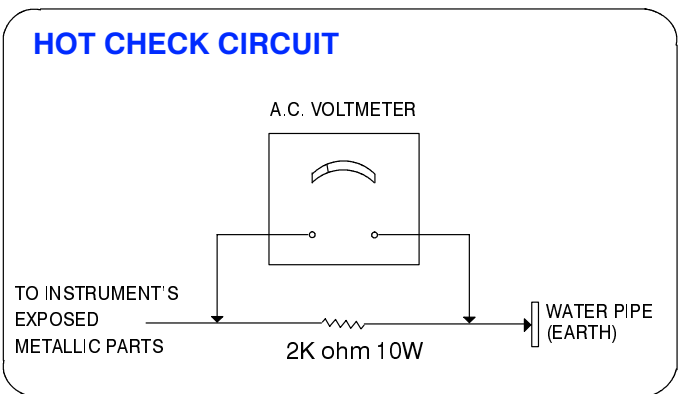


Fig.1

X-RADIATION WARNING

1. The potential sources of X-Radiation in TV sets are the high voltage section and the picture tube.
2. When using a picture tube test jig for service ensure that the jig is capable of handling 31.5kV without causing X-Radiation.

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

1. Set the brightness to minimum.
2. Measure the high voltage. The meter should indicate 30.5kV ± 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 (A) as shown in Fig.2./Fig.3.

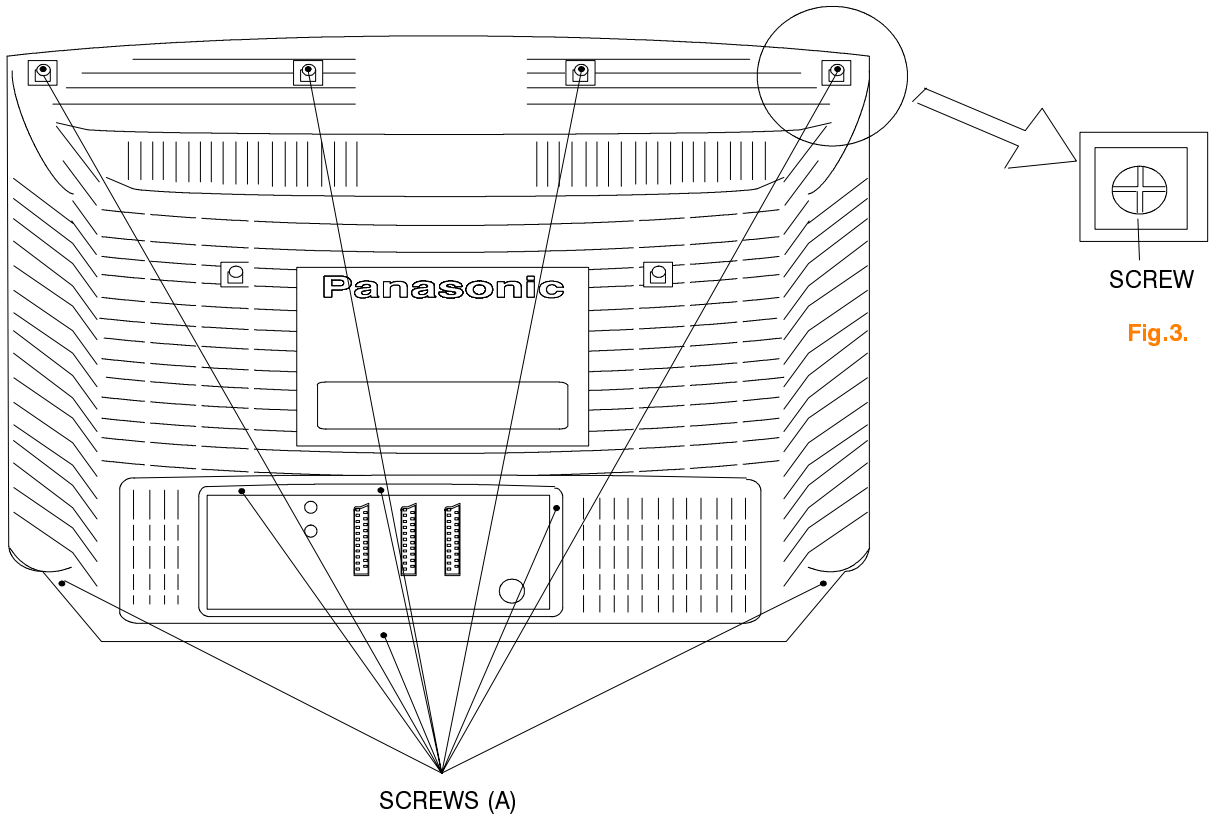


Fig.2.

LOCATION OF CONTROLS

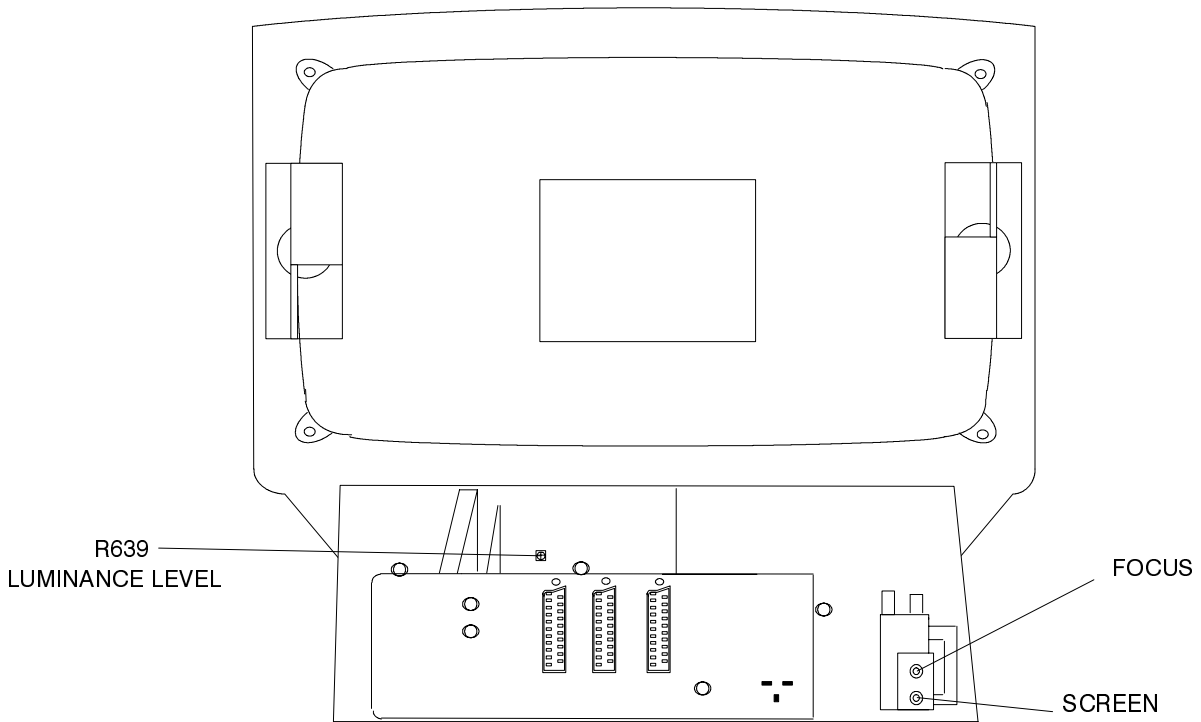


Fig.4.

SERVICE MODE

The remote control is used for entering and storing adjustments, with the exception of cut-off adjustments which must always be done prior to service adjustment. Perform adjustments in accordance with screen display. The display on the screen also specifies the CCU variants as well as the approx. setting values. The adjustment sequence for the service mode is indicated below.

1. Set the Bass to maximum position, set the Treble to minimum position, press the Reveal button on the remote control and at the same time press the -/v button on the customer controls at the front of the TV, 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 STORE button after each adjustment has been made to store the required values.
5. To exit the Service Mode press the Normalisation button.

NOTE: This TV also has the option of using a Memory Pack which enables you to copy the preset TV channels into the Memory Pack and then download them onto this or any other EURO-3HW TV set.

TV to Memory Pack process

1. Plug the memory pack into the AV2 21 pin terminal at the back of the TV and switch the TV on.
2. Go into the Service Mode as explained above. The screen will show:-

Program
External>>TV

3. Press the blue button on the remote control. The screen will show:-

Program
TV>>External

4. Press the STORE button on the TV. The screen will show:-

Storing

5. All the tuning information stored inside the TV will now be transferred to the Memory Pack. This process will take 2-3 minutes to complete and when finished the screen will show:-

OK!

Memory Pack to TV Process

1. Plug the memory pack into the AV2 21 pin terminal at the back of the TV and switch the TV on.
2. Go into the Service Mode as explained above. The screen will show:-

Program
External>>TV

3. Press the STORE button on the TV. The screen will show:-

Loading

4. All the tuning information stored inside the Memory Pack will now be transferred to the TV. This process will take 2-3 minutes to complete and when finished the screen will show:-

OK!

5. The tuning information from the Memory Pack has now been copied into the TV.
6. To exit from the Service Mode press the Normalisation button.
7. The process has now been completed and the Memory Pack can now be removed.

ERRORS

If an error occurs while using the Memory Pack the TV will detect this and the screen will show:-

Program
Error!

If this happens then press the Normalisation button and repeat the process that was being used. If the errors continue to occur then check the connectors between the TV and the memory pack and check the 9V battery inside the memory pack.

Alignment Settings

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

ALIGNMENT FUNCTION		SETTINGS / SPECIAL FEATURES
Vertical amplitude	V-AMP 038	Optimum setting
Vertical linearity	V-LIN 022	
V-Pos.	V-POS 005	
Horizontal amplitude	H-AMP 043	
Horizontal position	H-POS 035	
EW-amplitude	E/W-AMP 1 020	
EW-amplitude	E/W-AMP 2 015	
Trapezium-comp	TRAPEZ-1 004	
Vert. DC.	VERT. D.C. 008	
Text Position	TEXT POSITION 060	Optimum setting
Cutoff	---	Select a window pattern enter Service Mode and step through to Cutoff, connect an oscilloscope to the Blue Cathode and adjust the screen VR of the FBT to get $150 \pm 5V$ at the base of the Cutoff pulse.
Cutoff RGB	CUTOFF RGB 032 032 032	Press the GREEN button to step through the settings. Adjust for optimum.
White RGB	WHITE RGB 032 032 032	Press the GREEN button to step through the settings. Adjust for optimum.
Sub Brightness	SUB BRIGHT 000	Optimum setting

ADJUSTMENT PROCEDURE

Item/Preparation	Adjustments																																																																																
Supply Voltage Check 1. Receive a greyscale pattern 2. Set the controls: Brightness Minimum Contrast Minimum Volume Minimum	1. Confirm the following voltages. <table border="0"> <tr> <td>E PCB</td> <td></td> <td></td> <td></td> <td>D PCB</td> <td></td> <td></td> <td></td> </tr> <tr> <td>U5B</td> <td>5</td> <td>±</td> <td>0.5V</td> <td>U5A</td> <td>5.1</td> <td>±</td> <td>0.12/0.1V</td> </tr> <tr> <td>U8A</td> <td>8</td> <td>±</td> <td>0.5V</td> <td>U5SB</td> <td>5</td> <td>±</td> <td>0.25V</td> </tr> <tr> <td>U9</td> <td>9</td> <td>±</td> <td>0.5V</td> <td>U15</td> <td>15</td> <td>±</td> <td>0.7V</td> </tr> <tr> <td>U12</td> <td>11.8</td> <td>±</td> <td>0.5V</td> <td>U16</td> <td>16.1</td> <td>±</td> <td>0.8V</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>U22</td> <td>22.5</td> <td>±</td> <td>1V</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>U38</td> <td>19</td> <td>±</td> <td>1V</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>U47</td> <td>47.5</td> <td>±</td> <td>2.5V</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>U150</td> <td>150</td> <td>±</td> <td>1V</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>U200</td> <td>204</td> <td>±</td> <td>10V</td> </tr> </table>	E PCB				D PCB				U5B	5	±	0.5V	U5A	5.1	±	0.12/0.1V	U8A	8	±	0.5V	U5SB	5	±	0.25V	U9	9	±	0.5V	U15	15	±	0.7V	U12	11.8	±	0.5V	U16	16.1	±	0.8V					U22	22.5	±	1V					U38	19	±	1V					U47	47.5	±	2.5V					U150	150	±	1V					U200	204	±	10V
E PCB				D PCB																																																																													
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				U200	204	±	10V																																																																										

SELF CHECK

Self check is used to automatically check the Bus Lines and Hexadecimal code of the TV set.
 To get into the Self Check mode press the Status button on the Remote Control at the same time pressing the -/v button on the customer controls at the front of the TV, and the screen will show:-
 When exiting Self Check the customer settings will return to factory setup.

0 — ok Test Byte 1 — ok Lst Power 2 — ok U5 Det 3 — ok Protector 4 — ok Not Used 5 — ok Not Used 6 — ok Not Used 7 — ok Not Used	8 — ok Col Decoder (M) 9 — ok Clock generator 10 — ok V – Processor 11 — ok DFU 12 — ok Display Processor 13 — ok RGB Processor 14 — ok Deflection IC 15 — ok MSP	16 — — Col Decoder (P) 17 — — Q – PIP 18 — ok Not Used 19 — ok Not Used 20 — ok EAROM 21 — ok Audio Matrix 22 — ok Video Matrix 23 — ok Tuner
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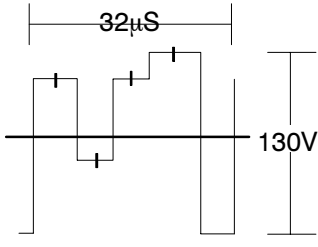
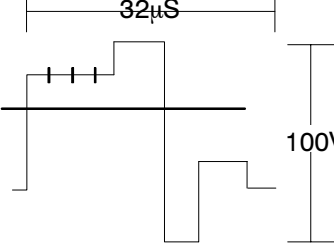
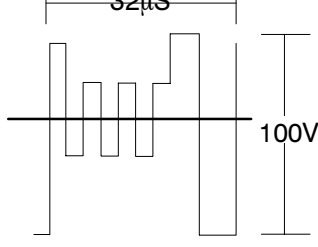
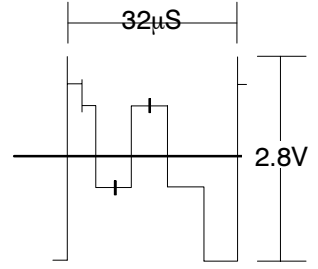
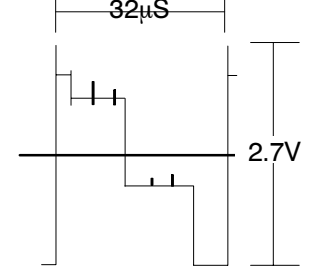
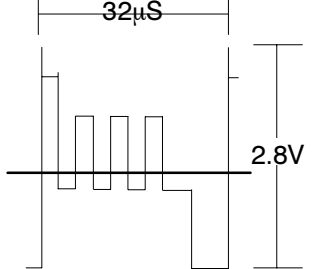
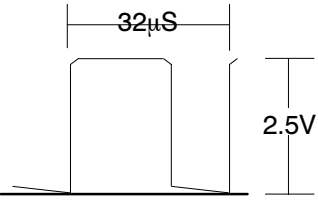
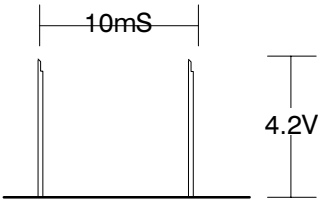
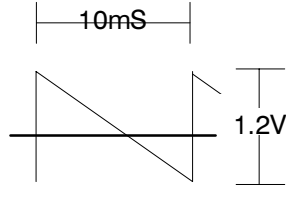
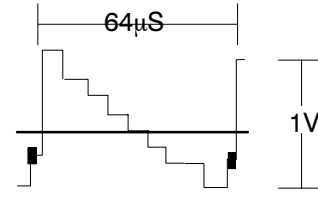
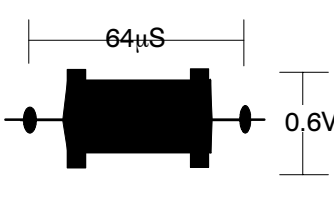
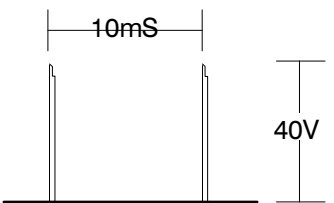
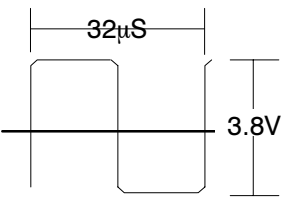
Hex codes

TX – W32D3F/P 49 73 E5 BF BB FB 03	TX – W28D3F/P 09 73 E5 BF BB FB 03
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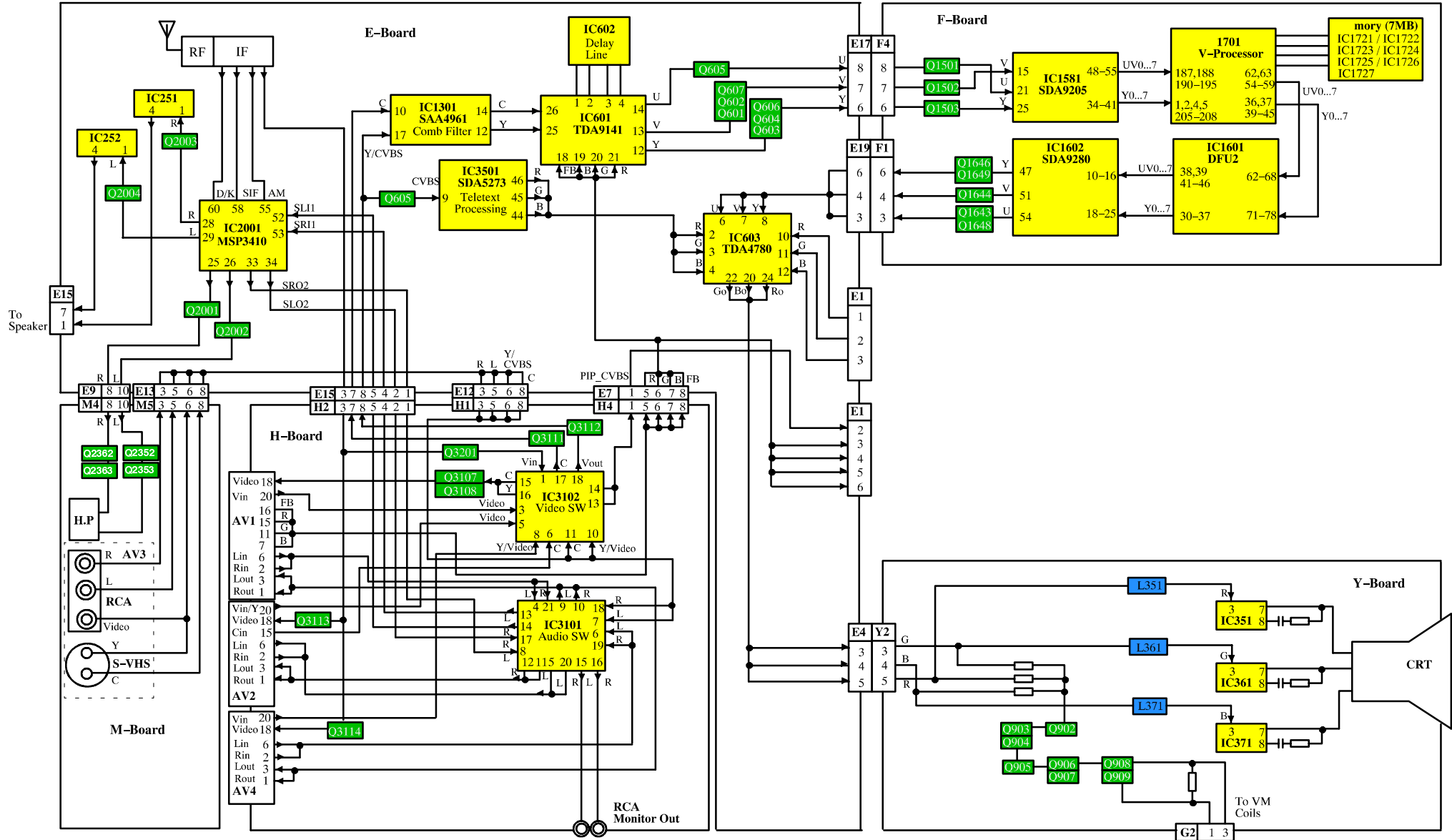
If the CCU ports have been checked and found to be incorrect or not located then "—" will appear in place of "OK".

WAVEFORM PATTERN TABLE

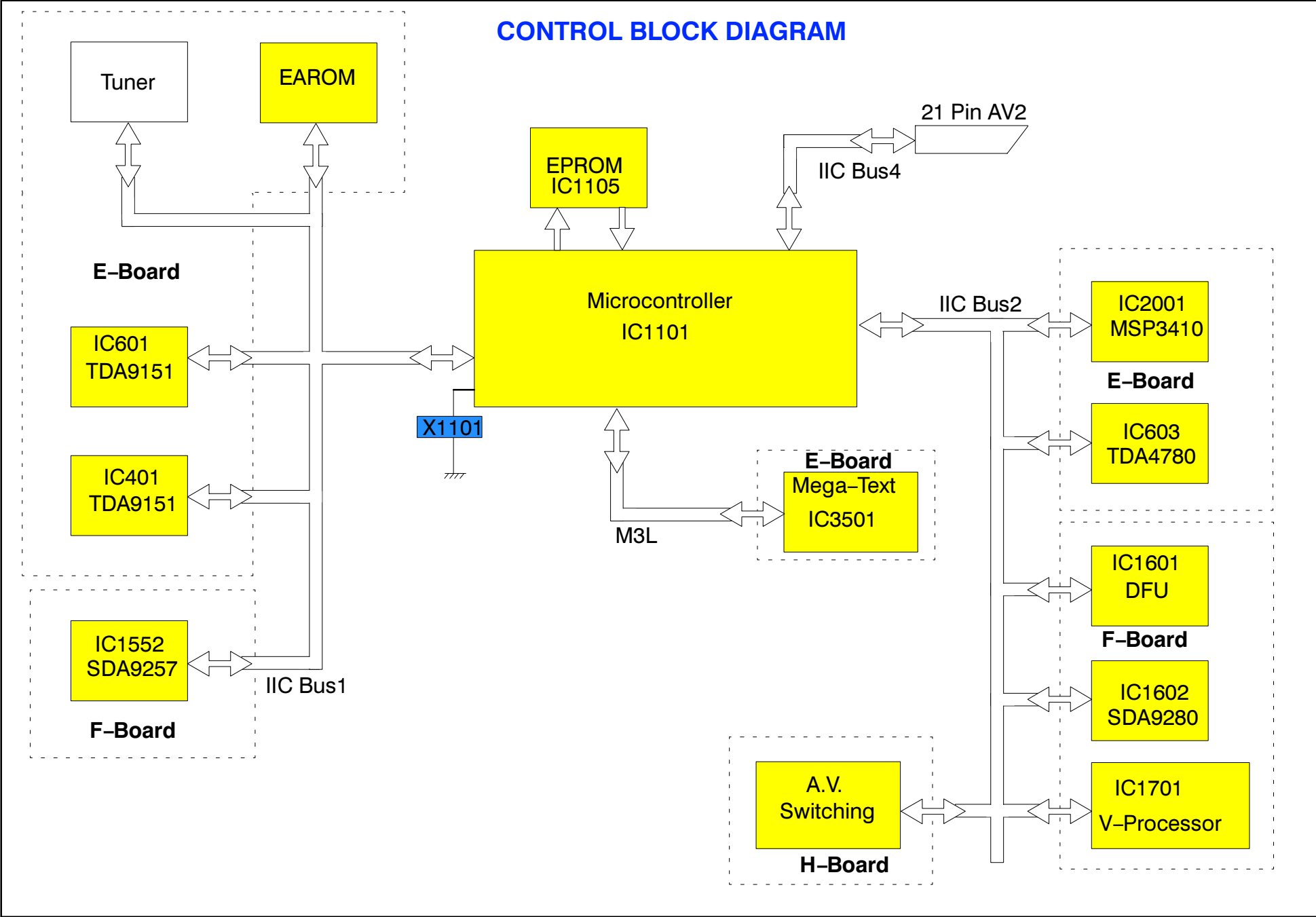
NOTE: All waveforms have been taken using a standard colour bar pattern

<p>RED DRIVE TPY1</p> 	<p>GREEN DRIVE TPY2</p> 	<p>BLUE DRIVE TPY3</p> 
<p>RED OUTPUT IC 603 PIN 24</p> 	<p>GREEN OUTPUT IC 603 PIN 22</p> 	<p>BLUE OUTPUT IC 603 PIN 20</p> 
<p>HORIZONTAL SYNC IC 3501 PIN 4</p> 	<p>VERTICAL SYNC IC 3501 PIN 3</p> 	<p>VERT OUTPUT IC (INPUT) IC 451 PIN 1</p> 
<p>LUMINANCE IN IC601 PIN 26</p> 	<p>CHROMINANCE IN IC601 PIN 25</p> 	<p>VERTICAL OUTPUT (DRIVE) IC 451 PIN 9</p> 
<p>HORIZONTAL OUTPUT IC401 PIN 20</p> 		

VIDEO AND AUDIO SIGNAL PROCESSING BLOCK DIAGRAM



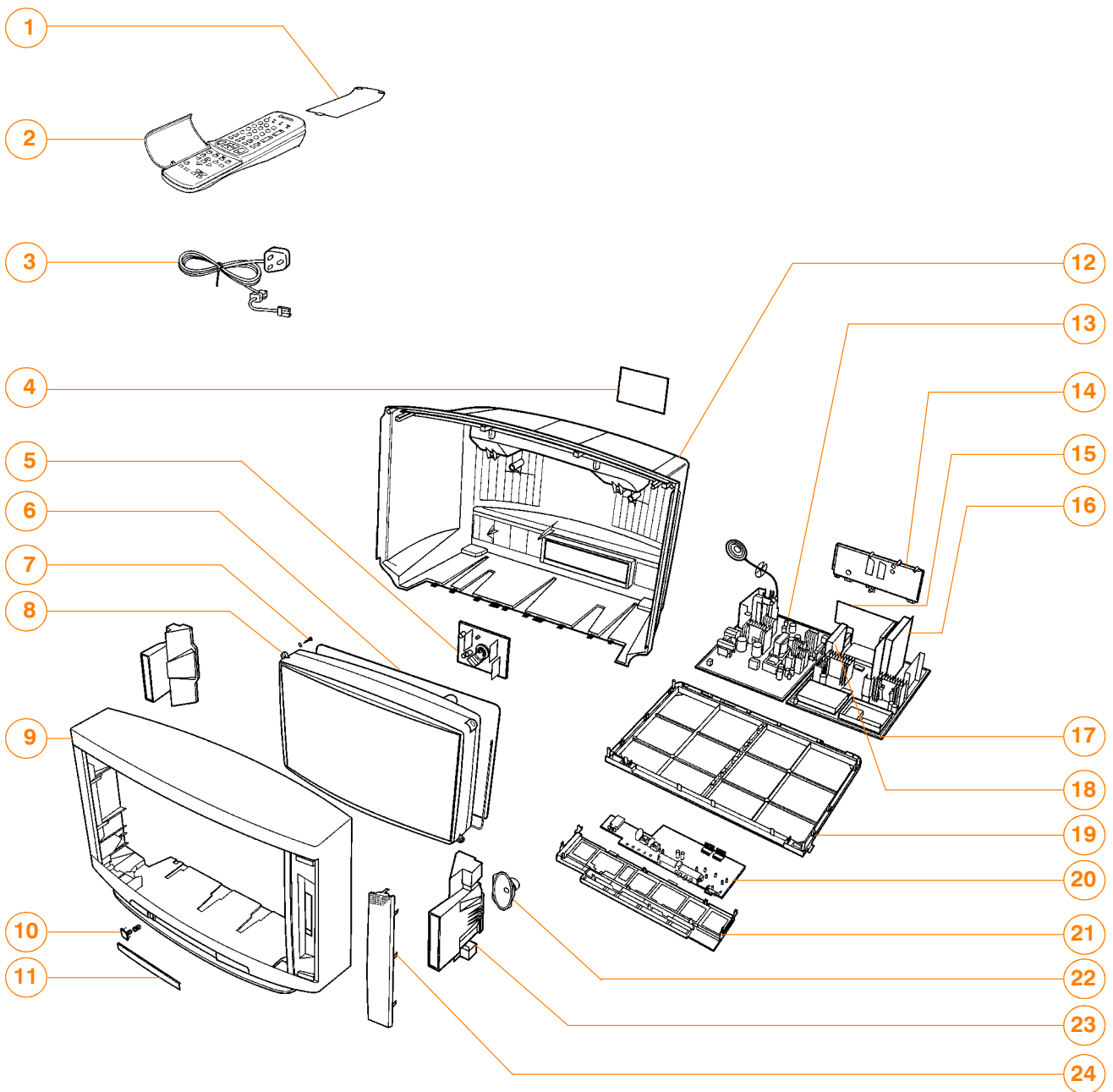
CONTROL BLOCK DIAGRAM



PARTS LOCATION

NOTE :

The numbers on the exploded view below refer to the miscellaneous 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 manufacturer's specified parts.

COMMON PARTS FOR MODELS TX – W32D3F/P AND TX – W28D3F/P

Ref No.	Part No.	Description
MISCELLANEOUS COMPONENTS		
1)	UR51EC780	BATTERY COVER (REMOTE)
2)	EUR51923	REMOTE CONTROL
3)	TSX8E0020	POWER CORD ▲
4)	*****	REFER TO DIFFERENCE LIST
5)	*****	REFER TO DIFFERENCE LIST
6)	*****	REFER TO DIFFERENCE LIST
7)	THT1062	CRT FIXING SCREW
8)	*****	REFER TO DIFFERENCE LIST
9)	*****	REFER TO DIFFERENCE LIST
10)	TBX8E033	POWER BUTTON
11)	TKP8E1149	DOOR LID
12)	*****	REFER TO DIFFERENCE LIST
13)	*****	REFER TO DIFFERENCE LIST
14)	TKP8E1153	AV COVER
15)	TNPA0293AJ	H P.C.B. ▲
16)	TNPA0294AD	F P.C.B. ▲
17)	*****	REFER TO DIFFERENCE LIST
18)	TNPA0317AA	B P.C.B. ▲
19)	TMX8E014	CHASSIS FRAME
20)	*****	REFER TO DIFFERENCE LIST
21)	TMW8E023	CONTROL BRACKET
22)	EAGG1218F2	SPEAKER
23)	TKK8E026	SPEAKER REFLECTOR
24)	*****	REFER TO DIFFERENCE LIST
	TBM8E1532-2	PRESET PANEL
	TBM8E1728	AV LABEL
	TEK6940	LID CATCHER
	TKP8E1150	FRONT PANEL RIGHT
	TLT100K991R	COIL
	TMW8E017	L.E.D.HOLDER
	TMX8E015	PCB SUPPORT BRACKET
	ENV57D03G3	TUNER ▲
	TQB8E2384N-1	INST BOOK ▲
	TQB8E2384P-1	INST BOOK ▲
	TQB8E2384Q-1	INST BOOK ▲
	TQB8E2384R-1	INST BOOK ▲
	TQB8E2384U-1	INST BOOK ▲
	TQA8E2044	SCHEMATIC BROADSHEET ▲
	UM-3DJ-2P	BATTERY SET
	31 221212478	FIX CLIP
	TES4537	SPRING
	F9-4-220	RELAY
	832AG11D-ESL	I.C. SOCKET
	PCS-068A-1	68 PIN I.C. SOCKET
	ERC12GK825	SOLID 0.5W 10% 8M2Ω
	ERDS1TJ6R8	CARBON 0.5W 5% 6R8Ω
INTEGRATED CIRCUITS		
IC101	TDA9814TV3	VIF
IC251	TDA2030AV	AUDIO AMPLIFIER
IC252	TDA2030AV	AUDIO AMPLIFIER
IC351	TDA6111	RGB OUTPUT
IC361	TDA6111	RGB OUTPUT
IC371	TDA6111	RGB OUTPUT
IC401	TDA9151-B	DEFLECTION CONTROL
IC451	TDA8350Q/N5	VERTICAL OUTPUT
IC601	TDA9143-N1	COLOUR DECODER

Ref No.	Part No.	Description
IC602	TDA4665-V4	DELAY LINE
IC603	TDA4780/V4	RGB VIDEO PROCESSOR
IC801	AN8029	POWER SUPPLY
IC845	SE140N	ERROR AMPLIFIER
IC851	TL431ACLPM	REGULATOR
IC852	TL431ACLPM	REGULATOR
IC1051	RPM-637CBRS1	LED RECEIVER
IC1101	SDA30C164-2	MICRO PROCESSOR
IC1102	S-80745AL-Z	RESET
IC1103	MN1280R	RESET
IC1301	SAA4961	COMB FILTER
IC1551	SN74F04DR	CLOCK
IC1552	SDA9257	CLOCK GENERATOR
IC1581	SDA9205-2GEG	A/D CONVERTER
IC1601	UPD93213GF	DFU
IC1602	SDA9280B22GE	VIDEO PROCESSOR
IC1701	MB87D202A	VIDEO PROCESSOR
IC1721	SDA9251-2XGE	RAM
IC1722	SDA9251-2XGE	RAM
IC1723	SDA9251-2XGE	RAM
IC1724	SDA9251-2XGE	RAM
IC1725	SDA9251-2XGE	RAM
IC1726	SDA9251-2XGE	RAM
IC1727	SDA9251-2XGE	RAM
IC2001	MSP3410DPPB4	AUDIO PROCESSOR
IC3101	TEA6420	AUDIO SWITCH
IC3102	TEA6415C	VIDEO SWITCH
IC3501	SDA5273S/134	MEGA TEXT
IC3502	M514256B70RS	DRAM
IC3801	AN7808LB	8V REGULATOR
IC3803	AN7805LB	8V REGULATOR
IC3804	AN7809FLB	9V REGULATOR
IC3805	AN78L08TA	8V REGULATOR
CAPACITORS		
C002	ECUV1H102JCX	S.M.CAP 50V 1nF
C003	ECA1HM101GB	ELECT 50V 100μF
C004	ECUV1H102JCX	S.M.CAP 50V 1nF
C005	ECUV1H102JCX	S.M.CAP 50V 1nF
C006	ECUV1H102JCX	S.M.CAP 50V 1nF
C007	ECUV1H102JCX	S.M.CAP 50V 1nF
C009	ECA1HMR22GB	ELECT 50V 0.22μF
C010	ECUV1H102KBX	S.M.CAP 50V 1nF
C014	ECUV1H103ZFX	S.M.CAP 50V 10nF
C015	ECUV1H390JCX	S.M.CAP 50V 39pF
C016	ECUV1H390JCX	S.M.CAP 50V 39pF
C017	ECA1CM470GB	ELECT 16V 47μF
C019	ECUV1H561JCX	S.M.CAP 50V 560pF
C020	ECUV1H103ZFX	S.M.CAP 50V 10nF
C022	ECUV1H103ZFX	S.M.CAP 50V 10nF
C023	ECUV1H681JCX	S.M.CAP 50V 680pF
C024	ECUV1H103ZFX	S.M.CAP 50V 10nF
C025	ECUV1H101JCX	S.M.CAP 50V 100pF
C026	ECUV1H681JCX	S.M.CAP 50V 680pF
C101	ECUV1H104ZFX	S.M.CAP 50V 100nF
C106	ECUV1H104ZFX	S.M.CAP 50V 100nF
C108	ECUV1H104ZFX	S.M.CAP 50V 100nF
C109	ECUV1H104ZFX	S.M.CAP 50V 100nF
C111	ECUV1H103ZFX	S.M.CAP 50V 10nF
C113	ECUV1H393KBX	S.M.CAP 50V 39nF

Ref No.	Part No.	Description	
C115	ECUV1H104ZFX	S.M.CAP	50V 100nF
C116	ECUV1H030CPX	S.M.CAP	50V 30pF
C117	ECUV1H070DTX	S.M.CAP	50V 70pF
C118	ECEA1CKA100	ELECT	16V 10µF
C120	ECEA1HKA2R2	ELECT	50V 2.2µF
C121	ECEA1HKA2R2	ELECT	50V 2.2µF
C122	ECUV1C105ZFX	S.M.CAP	16V 1000nF
C123	ECEA1HKA2R2	ELECT	50V 2.2µF
C124	ECUV1H471JCX	S.M.CAP	50V 470pF
C125	ECUV1H104ZFX	S.M.CAP	50V 100nF
C126	ECUV1H104ZFX	S.M.CAP	50V 100nF
C127	ECEA1CKA100	ELECT	16V 10µF
C128	ECUV1H102KBX	S.M.CAP	50V 1nF
C129	ECEA1CKA100	ELECT	16V 10µF
C130	ECUV1H104ZFX	S.M.CAP	50V 100nF
C131	ECUV1H102KBX	S.M.CAP	50V 1nF
C132	ECUV1H102KBX	S.M.CAP	50V 1nF
C133	ECUV1H102KBX	S.M.CAP	50V 1nF
C134	ECUV1H104ZFX	S.M.CAP	50V 100nF
C135	ECEA1CKA100	ELECT	16V 10µF
C136	ECUV1H104ZFX	S.M.CAP	50V 100nF
C137	ECUV1H100DCX	S.M.CAP	50V 10pF
C138	ECUV1H151JCX	S.M.CAP	50V 150pF
C139	ECUV1H104ZFX	S.M.CAP	50V 100nF
C140	ECUV1H151JCX	S.M.CAP	50V 150pF
C142	ECUV1H100DCX	S.M.CAP	50V 10pF
C143	ECUV1H220JCX	S.M.CAP	50V 22pF
C144	ECUV1H151JCX	S.M.CAP	50V 150pF
C145	ECUV1H151JCX	S.M.CAP	50V 150pF
C146	ECUV1H120JCX	S.M.CAP	50V 12pF
C148	ECUV1H103ZFX	S.M.CAP	50V 10nF
C150	ECEA1CKA100	ELECT	16V 10µF
C151	ECUV1H104ZFX	S.M.CAP	50V 100nF
C152	ECUV1H104ZFX	S.M.CAP	50V 100nF
C153	ECUV1H120JCX	S.M.CAP	50V 12pF
C158	ECUV1H103ZFX	S.M.CAP	50V 10nF
C159	ECUV1H080CCX	S.M.CAP	50V 80pF
C251	ECQM1H474J	FILM	50V 470nF
C252	ECUV1H222JCX	S.M.CAP	50V 2.2nF
C253	ECUV1H393KBX	S.M.CAP	50V 39nF
C254	ECUV1H393KBX	S.M.CAP	50V 39nF
C255	ECEA1CN100	ELECT	16V 10µF
C256	ECA1HM100GB	ELECT	50V 10µF
C257	ECA1HM100GB	ELECT	50V 10µF
C258	ECQM1H474J	FILM	50V 470nF
C259	ECUV1H222JCX	S.M.CAP	50V 2.2nF
C260	ECUV1H393KBX	S.M.CAP	50V 39nF
C261	ECUV1H393KBX	S.M.CAP	50V 39nF
C262	ECEA1CN100	ELECT	16V 10µF
C263	ECA1HM100GB	ELECT	50V 10µF
C264	ECA1HM100GB	ELECT	50V 10µF
C267	ECUV1H103ZFX	S.M.CAP	50V 10nF
C268	ECUV1H223ZFX	S.M.CAP	50V 22nF
C269	ECA1EM222GB	ELECT	25V 2.2µF
C270	ECA1EM222GB	ELECT	25V 2.2µF
C271	ECA1HM010GB	ELECT	50V 1µF
C272	ECA1HM010GB	ELECT	50V 1µF
C273	ECA1HM010GB	ELECT	50V 1µF
C274	ECA1HM010GB	ELECT	50V 1µF
C275	ECUV1C184KBX	S.M.CAP	16V 0.18µF
C276	ECUV1C184KBX	S.M.CAP	16V 0.18µF
C277	ECEA1HU471	ELECT	50V 470µF
C281	ECUV1H104ZFX	S.M.CAP	50V 100nF
C282	ECUV1H561JCX	S.M.CAP	50V 560pF
C283	ECUV1H561JCX	S.M.CAP	50V 560pF
C352	ECUV1H224ZFX	S.M.CAP	50V 0.22µF
C353	ECUV1H103KBX	S.M.CAP	50V 10nF
C354	ECKC2H103J	CERAMIC	50V 10nF
C355	ECKC2H102J	CERAMIC	500V 1nF
C362	ECUV1H224ZFX	S.M.CAP	50V 0.22µF
C363	ECUV1H103KBX	S.M.CAP	50V 10nF
C364	ECKC2H103J	CERAMIC	50V 10nF

Ref No.	Part No.	Description	
C365	ECKC2H102J	CERAMIC	500V 1nF
C372	ECUV1H224ZFX	S.M.CAP	50V 0.22µF
C373	ECUV1H103KBX	S.M.CAP	50V 10nF
C374	ECKC2H103J	CERAMIC	50V 10nF
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	ECEA2EU220	ELECT	250V 22µF
C386	ECKC3D152J	CERAMIC	2KV 1.5nF
C395	ECQM1H104J	FILM	50V 100nF
C402	ECUV1H104ZFX	S.M.CAP	50V 100nF
C403	ECA1AM332E	ELECT	10V 3.3µF
C404	ECUV1H104ZFX	S.M.CAP	50V 100nF
C405	ECUV1H104ZFX	S.M.CAP	50V 100nF
C406	ECUV1H471JCX	S.M.CAP	50V 470pF
C409	ECUV1H101JCX	S.M.CAP	50V 100pF
C413	ECUV1H561KBX	S.M.CAP	50V 560pF
C451	ECUV1H104ZFX	S.M.CAP	50V 100nF
C452	ECA1EM332E	ELECT	25V 3.3µF
C453	ECEA1HU101	ELECT	50V 100µF
C455	ECEA1HN100	ELECT	50V 10µF
C456	ECQV1104JZ3	FILM	100V 100nF
C457	ECUV1H102JCX	S.M.CAP	50V 1nF
C461	ECUV1C224KBX	S.M.CAP	16V 220nF
C462	ECKC3A471J	CERAMIC	1KV 470pF
C463	ECUV1H102KBX	S.M.CAP	50V 1nF
C464	ECKC1H102J	CERAMIC	50V 1000pF
C501	ECQM1H224J	FILM	50V 220nF
C502	ECQM2683JZ	FILM	250V 68nF
C503	ECKC2H102J	CERAMIC	500V 1nF
C504	ECQB1H223K	FILM	50V 22nF
C506	ECKC2H102J	CERAMIC	500V 1nF
C552	ECWH15H102J	FILM	1500V 1nF
C553	ECQP1223JZW	FILM	100V 22nF
C555	ECWH15H622J	FILM	1500V 6.2nF
C556	ECEA2CNR47SB	ELECT	160V R47µF
C557	ECKC2H331J	CERAMIC	500V 330pF
C558	ECA2EM330B	ELECT	250V 33µF
C559	ECKC2H101J	CERAMIC	500V 100pF
C560	ECA1EM332E	ELECT	25V 3.3µF
C561	ECKC2H561J	CERAMIC	500V 560pF
C562	ECA1JM220B	ELECT	63V 22µF
C563	TAC7A2D564JC	CERAMIC	1500V 0.56µF
C564	ECKC1H472J	CERAMIC	50V 4.7nF
C565	ECQP1223JZW	FILM	100V 22nF
C571	ECQV1H105JZ	FILM	50V 1µF
C572	ECWH15H682J	FILM	1500V 6.8nF
C573	ECQF4153JZH	FILM	400V 15nF
C575	TAC1114Z564A	CERAMIC	100V 0.56µF
C577	TAC1114Z105A	CERAMIC	100V 1µF
C580	ECKC1H103JB	CERAMIC	50V 10nF
C584	ECKC3D391J	CERAMIC	2KV 390pF
C585	ECKC3A471J	CERAMIC	1KV 470pF
C586	ECKC1H103JB	CERAMIC	50V 10nF
C601	ECUV1H104ZFX	S.M.CAP	50V 100nF
C602	ECUV1H104ZFX	S.M.CAP	50V 100nF
C603	ECUV1H104ZFX	S.M.CAP	50V 100nF
C604	ECUV1H104ZFX	S.M.CAP	50V 100nF
C605	ECUV1H104ZFX	S.M.CAP	50V 100nF
C606	ECUV1H104ZFX	S.M.CAP	50V 100nF
C608	ECUV1H104ZFX	S.M.CAP	50V 100nF
C609	ECUV1H180JCX	S.M.CAP	50V 18pF
C610	ECUV1H150JCX	S.M.CAP	50V 15pF
C611	ECUV1H104ZFX	S.M.CAP	50V 100nF
C612	ECUV1H332ZFX	S.M.CAP	50V 3.3nF
C613	ECUV1C474ZFX	S.M.CAP	16V 0.47µF
C614	ECUV1H332ZFX	S.M.CAP	50V 3.3nF
C615	ECUV1H104ZFX	S.M.CAP	50V 100nF
C616	ECUV1H104ZFX	S.M.CAP	50V 100nF

Ref No.	Part No.	Description		
C617	ECA1CM220GB	ELECT	16V	22µF
C618	ECUV1H104ZFX	S.M.CAP	50V	100nF
C619	ECUV1H104ZFX	S.M.CAP	50V	100nF
C620	ECUV1H104ZFX	S.M.CAP	50V	100nF
C621	ECUV1H104ZFX	S.M.CAP	50V	100nF
C622	ECUV1H104ZFX	S.M.CAP	50V	100nF
C623	ECUV1H103ZFX	S.M.CAP	50V	10nF
C624	ECUV1H103ZFX	S.M.CAP	50V	10nF
C625	ECUV1H103ZFX	S.M.CAP	50V	10nF
C626	ECUV1H103ZFX	S.M.CAP	50V	10nF
C627	ECUV1H103ZFX	S.M.CAP	50V	10nF
C628	ECUV1H103ZFX	S.M.CAP	50V	10nF
C629	ECUV1H103ZFX	S.M.CAP	50V	10nF
C630	ECUV1H103ZFX	S.M.CAP	50V	10nF
C631	ECUV1H103ZFX	S.M.CAP	50V	10nF
C632	ECUV1H103ZFX	S.M.CAP	50V	10nF
C633	ECUV1H470JCX	S.M.CAP	50V	47pF
C634	ECA1CM221GB	ELECT	16V	220µF
C635	ECA1HM220GB	ELECT	50V	22µF
C636	ECA1HM010GB	ELECT	50V	1µF
C637	ECQM1H224J	FILM	50V	220nF
C638	ECA1HM010GB	ELECT	50V	1µF
C639	ECQM1H224J	FILM	50V	220nF
C640	ECQM1H224J	FILM	50V	220nF
C641	ECQM1H224J	FILM	50V	220nF
C642	ECA1AM470GB	ELECT	10V	47µF
C643	ECUV1H104ZFX	S.M.CAP	50V	100nF
C644	ECA1CM470GB	ELECT	16V	47µF
C645	ECUV1H104ZFX	S.M.CAP	50V	100nF
C646	ECUV1H104ZFX	S.M.CAP	50V	100nF
C647	ECEA1CN470	ELECT	16V	47µF
C648	ECEA1CN470	ELECT	16V	47µF
C651	ECUV1H820JCX	S.M.CAP	50V	82pF
C654	ECUV1H393KBX	S.M.CAP	50V	39nF
C655	ECUV1E563KBX	S.M.CAP	25V	56nF
C657	ECUV1C474ZFX	S.M.CAP	16V	0.47µF
C659	ECUV1H821KBX	S.M.CAP	50V	820pF
C661	ECUV1H103ZFX	S.M.CAP	50V	10nF
C662	ECUV1H470JCX	S.M.CAP	50V	47pF
C663	ECUV1H150JCX	S.M.CAP	50V	15pF
C703	ECUV1C224KBX	S.M.CAP	16V	220nF
C752	ECKC2H103J	CERAMIC	50V	10nF
C803	ECQE2A474MWB	FILM	100V	0.47µF
C804	222233510154	CERAMIC		0.15µF
C806	ECQE6104K	FILM	600V	100nF
C807	ECQB1H473K	FILM	50V	47nF
C808	ECQB1H333J	FILM	50V	33nF
C810	222233510154	CERAMIC		0.15µF
C811	ECQB1H104J	FILM	50V	100nF
C812	ECQB1H222J	FILM	50V	2200pF
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	ECOS2GG181NG	ELECT	400V	180µF
C820	ECOS2GG181NG	ELECT	400V	180µF
C821	ECQB1H222J	FILM	50V	2200pF
C822	ECKC3D102J	CERAMIC	2KV	1nF
C823	EEUFA1V221B	CERAMIC	35V	330pF
C824	ECQB1H121KF3	FILM	50V	120pF
C826	ECQB1H473K	FILM	50V	47nF
C827	ECKCNS332J	CERAMIC	1K2V	3.3nF
C830	ECQE4105JFW	FILM	400V	1µF
C831	ECKC3D471JB	CERAMIC	2KV	470pF
C833	ECQB1H682K	FILM	50V	6.8nF
C834	ECQB1H471KF3	FILM	50V	470pF
C835	ECQB1H152K	FILM	50V	1.5nF
C849	ECKC2H471J	CERAMIC	500V	470pF
C851	ECQM1H104J	FILM	50V	100nF

Ref No.	Part No.	Description		
C852	ECKC3D102J	CERAMIC	2KV	1nF
C853	ECA1CM471GB	ELECT	16V	470µF
C854	ECA1EM471GB	ELECT	25V	470µF
C855	ECEA1HU102	ELECT	50V	1000µF
C856	ECEA1HU471	ELECT	50V	470µF
C857	ECA1EM471GB	ELECT	25V	470µF
C858	ECOS2EA271BB	ELECT	250V	270pF
C859	ECKC2H471J	CERAMIC	500V	470pF
C861	ECOS2EA221AB	ELECT	250V	220µF
C863	ECA1EM222GB	ELECT	25V	2.2µF
C864	ECA0JM102GB	ELECT	6.3V	1µF
C866	ECA1HM101GB	ELECT	50V	100µF
C867	ECA1CM222GB	ELECT	16V	2200µF
C868	ECA1CM100GB	ELECT	16V	10µF
C871	ECA0JM102GB	ELECT	6.3V	1µF
C872	ECA1CM222GB	ELECT	16V	2200µF
C901	ECUV1H030CCX	S.M.CAP	50V	30pF
C902	ECA1VM101GB	ELECT	35V	100µF
C903	ECA1CM470GB	ELECT	16V	47µF
C904	ECUV1H103ZFX	S.M.CAP	50V	10nF
C905	ECA1CM100GB	ELECT	16V	10µF
C906	ECUV1H151JCX	S.M.CAP	50V	150pF
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	ECEA2EU220	ELECT	250V	22µF
C913	ECA1HM101GB	ELECT	50V	100µF
C914	ECA1HM101GB	ELECT	50V	100µF
C915	ECA1CM471GB	ELECT	16V	470µF
C916	ECEA2EU220	ELECT	250V	22µF
C917	ECA1HM100GB	ELECT	50V	10µF
C918	ECUV1H103ZFX	S.M.CAP	50V	10nF
C919	ECCR2H270J	CERAMIC	500V	27pF
C1051	ECKC1H101J	CERAMIC	50V	100pF
C1052	ECA1VM470B	ELECT	35V	47µF
C1053	ECKC1H103JB	CERAMIC	50V	10nF
C1102	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1103	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1104	ECA0JM101G	ELECT	6.3V	100µF
C1105	ECUV1H330JCX	S.M.CAP	50V	33pF
C1106	ECUV1H330JCX	S.M.CAP	50V	33pF
C1107	ECUV1H391JCX	S.M.CAP	50V	390pF
C1108	ECUV1H103ZFX	S.M.CAP	50V	10nF
C1109	ECUV1H472KBX	S.M.CAP	50V	4.7nF
C1110	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1111	ECUV1H101JCX	S.M.CAP	50V	100pF
C1112	ECUV1H103ZFX	S.M.CAP	50V	10nF
C1113	ECUV1H102JCX	S.M.CAP	50V	1nF
C1114	ECUV1H102JCX	S.M.CAP	50V	1nF
C1115	ECUV1H102JCX	S.M.CAP	50V	1nF
C1126	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1127	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1129	ECA1AM470GB	ELECT	10V	47µF
C1130	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1131	ECUV1H101JCX	S.M.CAP	50V	100pF
C1133	ECUV1C184KBX	S.M.CAP	16V	0.18µF
C1134	ECUV1H103KBX	S.M.CAP	50V	10nF
C1135	ECUV1H103ZFX	S.M.CAP	50V	10nF
C1136	ECUV1H101JCX	S.M.CAP	50V	100pF
C1137	ECUV1H102KBX	S.M.CAP	50V	1nF
C1138	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1302	ECUV1H150JCX	S.M.CAP	50V	15pF
C1304	ECUV1H103ZFX	S.M.CAP	50V	10nF
C1305	ECA1HM101GB	ELECT	50V	100µF
C1306	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1307	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1308	ECA1HM101GB	ELECT	50V	100µF
C1309	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1310	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1311	ECUV1H104ZFX	S.M.CAP	50V	100nF

Ref No.	Part No.	Description
C1312	ECUV1H104ZFX S.M.CAP	50V 100nF
C1313	ECUV1H104ZFX S.M.CAP	50V 100nF
C1314	ECUV1H104ZFX S.M.CAP	50V 100nF
C1315	ECUV1H104ZFX S.M.CAP	50V 100nF
C1316	ECA1HM101GB ELECT	50V 100µF
C1317	ECUV1H104ZFX S.M.CAP	50V 100nF
C1318	ECA1HM101GB ELECT	50V 100µF
C1321	ECUV1H104ZFX S.M.CAP	50V 100nF
C1322	ECUV1H101JCX S.M.CAP	50V 100pF
C1323	ECA1HM101GB ELECT	50V 100µF
C1324	ECA1HM101GB ELECT	50V 100µF
C1325	ECUV1H103ZFX S.M.CAP	50V 10nF
C1326	ECUV1H104ZFX S.M.CAP	50V 100nF
C1327	ECUV1H104ZFX S.M.CAP	50V 100nF
C1508	ECUV1H103KBX S.M.CAP	50V 10nF
C1509	ECA1CM100GB ELECT	16V 10µF
C1518	ECA1HM101GB ELECT	50V 100µF
C1519	ECA1CM470GB ELECT	16V 47µF
C1520	ECA1CM470GB ELECT	16V 47µF
C1521	ECUV1H390JCX S.M.CAP	50V 39pF
C1524	ECUV1H221JCX S.M.CAP	50V 220pF
C1525	ECUV1H391JCX S.M.CAP	50V 390pF
C1528	ECUV1H390JCX S.M.CAP	50V 39pF
C1529	ECUV1H221JCX S.M.CAP	50V 220pF
C1531	ECUV1H391JCX S.M.CAP	50V 390pF
C1532	ECUV1H151JCX S.M.CAP	50V 150pF
C1533	ECUV1H750JCX S.M.CAP	50V 75pF
C1534	ECUV1H391JCX S.M.CAP	50V 390pF
C1537	ECA0JM102GB ELECT	6.3V 1µF
C1552	ECUV1H104ZFX S.M.CAP	50V 100nF
C1554	ECUV1H104ZFX S.M.CAP	50V 100nF
C1555	ECA0JM331GB ELECT	6.3V 330µF
C1556	ECUV1H270JCX S.M.CAP	50V 27pF
C1557	ECUV1H270JCX S.M.CAP	50V 27pF
C1559	ECUV1H103KBX S.M.CAP	50V 10nF
C1560	ECUV1H103KBX S.M.CAP	50V 10nF
C1561	ECUV1H104ZFX S.M.CAP	50V 100nF
C1562	ECA0JM331GB ELECT	6.3V 330µF
C1564	ECUV1H104ZFX S.M.CAP	50V 100nF
C1575	ECUV1H104ZFX S.M.CAP	50V 100nF
C1576	ECUV1H104ZFX S.M.CAP	50V 100nF
C1577	ECA1CM470GB ELECT	16V 47µF
C1579	ECUV1H104ZFX S.M.CAP	50V 100nF
C1580	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
C1588	ECA1CM470GB ELECT	16V 47µF
C1590	ECUV1H104ZFX S.M.CAP	50V 100nF
C1591	ECUV1H104ZFX S.M.CAP	50V 100nF
C1592	ECUV1H104ZFX S.M.CAP	50V 100nF
C1593	ECA1CM470GB ELECT	16V 47µF
C1594	ECUV1H104ZFX S.M.CAP	50V 100nF
C1595	ECUV1H104ZFX S.M.CAP	50V 100nF
C1596	ECUV1H104ZFX S.M.CAP	50V 100nF
C1599	ECA1CM470GB ELECT	16V 47µF
C1601	ECUV1H104ZFX S.M.CAP	50V 100nF
C1602	ECUV1H104ZFX S.M.CAP	50V 100nF
C1603	ECUV1H103KBX S.M.CAP	50V 10nF
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	ECA1CM470GB ELECT	16V 47µF
C1610	ECUV1H104ZFX S.M.CAP	50V 100nF
C1611	ECUV1H103KBX S.M.CAP	50V 10nF
C1612	ECUV1H104ZFX S.M.CAP	50V 100nF
C1613	ECUV1H104ZFX S.M.CAP	50V 100nF
C1614	ECUV1H104ZFX S.M.CAP	50V 100nF
C1616	ECUV1H152JCX S.M.CAP	50V 1.5pF
C1617	ECUV1H104ZFX S.M.CAP	50V 100nF

Ref No.	Part No.	Description
C1618	ECUV1H104ZFX S.M.CAP	50V 100nF
C1619	ECUV1H104ZFX S.M.CAP	50V 100nF
C1620	ECUV1H104ZFX S.M.CAP	50V 100nF
C1621	ECA1CM470GB ELECT	16V 47µF
C1622	ECUV1H104ZFX S.M.CAP	50V 100nF
C1625	ECA1CM470GB ELECT	16V 47µF
C1641	ECA1CM470GB ELECT	16V 47µF
C1642	ECUV1H104ZFX S.M.CAP	50V 100nF
C1701	ECA1CM470GB ELECT	16V 47µF
C1702	ECUV1H104ZFX S.M.CAP	50V 100nF
C1703	ECUV1H104ZFX S.M.CAP	50V 100nF
C1704	ECUV1H104ZFX S.M.CAP	50V 100nF
C1705	ECUV1H104ZFX S.M.CAP	50V 100nF
C1706	ECUV1H104ZFX S.M.CAP	50V 100nF
C1707	ECUV1H104ZFX S.M.CAP	50V 100nF
C1708	ECUV1H104ZFX S.M.CAP	50V 100nF
C1709	ECUV1H104ZFX S.M.CAP	50V 100nF
C1710	ECUV1H104ZFX S.M.CAP	50V 100nF
C1711	ECUV1H103KBX S.M.CAP	50V 10nF
C1712	ECUV1H104ZFX S.M.CAP	50V 100nF
C1713	ECUV1H104ZFX S.M.CAP	50V 100nF
C1714	ECUV1H104ZFX S.M.CAP	50V 100nF
C1721	ECA1CM470GB ELECT	16V 47µF
C1722	ECA1CM470GB ELECT	16V 47µF
C1723	ECUV1H104ZFX S.M.CAP	50V 100nF
C1724	ECUV1H104ZFX S.M.CAP	50V 100nF
C1725	ECUV1H104ZFX S.M.CAP	50V 100nF
C1726	ECUV1H104ZFX S.M.CAP	50V 100nF
C1727	ECUV1H104ZFX S.M.CAP	50V 100nF
C1728	ECUV1H104ZFX S.M.CAP	50V 100nF
C1729	ECUV1H104ZFX S.M.CAP	50V 100nF
C1730	ECUV1H104ZFX S.M.CAP	50V 100nF
C1731	ECUV1H104ZFX S.M.CAP	50V 100nF
C1732	ECUV1H104ZFX S.M.CAP	50V 100nF
C1733	ECUV1H104ZFX S.M.CAP	50V 100nF
C1734	ECUV1H104ZFX S.M.CAP	50V 100nF
C1735	ECUV1H104ZFX S.M.CAP	50V 100nF
C1736	ECUV1H104ZFX S.M.CAP	50V 100nF
C1740	ECUV1H102KBX S.M.CAP	50V 1nF
C2001	ECA1CM100GB ELECT	16V 10µF
C2002	ECUV1H104ZFX S.M.CAP	50V 100nF
C2003	ECUV1H104ZFX S.M.CAP	50V 100nF
C2004	ECUV1H102JCX S.M.CAP	50V 1nF
C2005	ECUV1H391JCX S.M.CAP	50V 390pF
C2006	ECUV1H391JCX S.M.CAP	50V 390pF
C2007	ECUV1H102JCX S.M.CAP	50V 1nF
C2008	ECUV1H102JCX S.M.CAP	50V 1nF
C2009	ECUV1H102JCX S.M.CAP	50V 1nF
C2010	ECUV1H102JCX S.M.CAP	50V 1nF
C2011	ECUV1H102JCX S.M.CAP	50V 1nF
C2012	ECUV1H102JCX S.M.CAP	50V 1nF
C2014	ECQM1H334J FILM	50V 330nF
C2017	ECA1CM100GB ELECT	16V 10µF
C2018	ECA1CM100GB ELECT	16V 10µF
C2019	ECA1CM221GB ELECT	16V 220µF
C2020	ECUV1H104ZFX S.M.CAP	50V 100nF
C2021	ECUV1H104ZFX S.M.CAP	50V 100nF
C2022	ECA1HM3R3GB ELECT	50V 3.3µF
C2023	ECUV1H471JCX S.M.CAP	50V 470pF
C2024	ECUV1H471JCX S.M.CAP	50V 470pF
C2025	ECUV1H221JCX S.M.CAP	50V 220pF
C2026	ECUV1H221JCX S.M.CAP	50V 220pF
C2027	ECUV1H221JCX S.M.CAP	50V 220pF
C2028	ECUV1H221JCX S.M.CAP	50V 220pF
C2029	ECUV1H221JCX S.M.CAP	50V 220pF
C2030	ECUV1H221JCX S.M.CAP	50V 220pF
C2031	ECUV1H104ZFX S.M.CAP	50V 100nF
C2032	ECA1CM100GB ELECT	16V 10µF
C2034	ECUV1H070DCX S.M.CAP	50V 7pF
C2035	ECUV1H560JCX S.M.CAP	50V 56pF
C2036	ECUV1H100DCX S.M.CAP	50V 10pF
C2037	ECUV1H220JCX S.M.CAP	50V 22pF

Ref No.	Part No.	Description
C2039	ECUV1H070DCX S.M.CAP	50V 7pF
C2040	ECUV1H560JCX S.M.CAP	50V 56pF
C2041	ECUV1H560JCX S.M.CAP	50V 56pF
C2042	ECUV1H104ZFX S.M.CAP	50V 100nF
C2043	ECA1CM100GB ELECT	16V 10µF
C2044	ECUV1H010CCX S.M.CAP	50V 1pF
C2045	ECUV1H010CCX S.M.CAP	50V 1pF
C2050	ECUV1H223ZFX S.M.CAP	50V 22nF
C2051	ECUV1H223ZFX S.M.CAP	50V 22nF
C2052	ECUV1H103ZFX S.M.CAP	50V 10nF
C2053	ECUV1H103ZFX S.M.CAP	50V 10nF
C2054	ECA1CM331B ELECT	16V 330µF
C2055	ECA1CM331B ELECT	16V 330µF
C2058	ECUV1H683ZFX S.M.CAP	50V 68nF
C2059	ECUV1H102KBX S.M.CAP	50V 1nF
C2060	ECUV1H102KBX S.M.CAP	50V 1nF
C2351	ECA1CM471GB ELECT	16V 470µF
C2352	ECA1CM471GB ELECT	16V 470µF
C2353	ECA1HM4R7GB ELECT	50V 4.7µF
C2354	ECKC1H103JB CERAMIC	50V 10nF
C2355	ECA1HMR33GB ELECT	50V 0.33µF
C2356	ECKC1H103JB CERAMIC	50V 10nF
C2360	ECKC1H103JB CERAMIC	50V 10nF
C2361	ECA1CM471GB ELECT	16V 470µF
C2362	ECA1CM471GB ELECT	16V 470µF
C2363	ECA1HM4R7GB ELECT	50V 4.7µF
C2364	ECKC1H103JB CERAMIC	50V 10nF
C2365	ECA1HMR33GB ELECT	50V 0.33µF
C2366	ECKC1H103JB CERAMIC	50V 10nF
C3001	ECKC1H561J CERAMIC	50V 560pF
C3002	ECKC1H561J CERAMIC	50V 560pF
C3005	ECCR1H151J CERAMIC	50V 150pF
C3101	ECEA1HN4R7UB ELECT	50V 4.7µF
C3102	ECA1HM470GB ELECT	50V 47µF
C3103	ECA1CM470GB ELECT	16V 47µF
C3106	ECUV1H561JCX S.M.CAP	50V 560pF
C3107	ECA1HM470GB ELECT	50V 47µF
C3108	ECA1CM470GB ELECT	16V 47µF
C3110	ECUV1H561JCX S.M.CAP	50V 560pF
C3111	ECUV1H102JCX S.M.CAP	50V 1nF
C3112	ECA1HM470GB ELECT	50V 47µF
C3113	ECA1HM470GB ELECT	50V 47µF
C3114	ECA1CM470GB ELECT	16V 47µF
C3115	ECEA1HNR47UB ELECT	50V 0.47µF
C3116	ECA1HM470GB ELECT	50V 47µF
C3117	ECEA1HN4R7UB ELECT	50V 4.7µF
C3118	ECEA1HN4R7UB ELECT	50V 4.7µF
C3119	ECA1HM470GB ELECT	50V 47µF
C3120	ECA1CM470GB ELECT	16V 47µF
C3122	ECUV1H561JCX S.M.CAP	50V 560pF
C3123	ECEA1HN4R7UB ELECT	50V 4.7µF
C3125	ECUV1H561JCX S.M.CAP	50V 560pF
C3126	ECEA1HN4R7UB ELECT	50V 4.7µF
C3127	ECEA1HN4R7UB ELECT	50V 4.7µF
C3128	ECEA1HN4R7UB ELECT	50V 4.7µF
C3129	ECUV1H102JCX S.M.CAP	50V 1nF
C3130	ECEA1HN4R7UB ELECT	50V 4.7µF
C3131	ECUV1H473KBX S.M.CAP	50V 47nF
C3132	ECA1CM470GB ELECT	16V 47µF
C3133	ECA1CM470GB ELECT	16V 47µF
C3134	ECA1CM470GB ELECT	16V 47µF
C3135	ECA1HMR47GB ELECT	50V 0.47µF
C3136	ECA1CM470GB ELECT	16V 47µF
C3137	ECA1HM470GB ELECT	50V 47µF
C3138	ECA1HM470GB ELECT	50V 47µF
C3139	ECUV1H222JCX S.M.CAP	50V 2.2nF
C3140	ECUV1H222JCX S.M.CAP	50V 2.2nF
C3144	ECUV1H561JCX S.M.CAP	50V 560pF
C3145	ECUV1H561JCX S.M.CAP	50V 560pF
C3147	ECUV1H561JCX S.M.CAP	50V 560pF
C3148	ECA1HM4R7GB ELECT	50V 4.7µF
C3150	ECA1HM4R7GB ELECT	50V 4.7µF

Ref No.	Part No.	Description
C3152	ECUV1H561JCX S.M.CAP	50V 560pF
C3154	ECUV1H104ZFX S.M.CAP	50V 100nF
C3156	ECA1CM470GB ELECT	16V 47µF
C3158	ECUV1H102JCX S.M.CAP	50V 1nF
C3160	ECUV1H104ZFX S.M.CAP	50V 100nF
C3162	ECA1CM471GB ELECT	16V 470µF
C3163	ECA1HMR47GB ELECT	50V 0.47µF
C3165	ECA1HM470GB ELECT	50V 47µF
C3167	ECUV1H561JCX S.M.CAP	50V 560pF
C3168	ECUV1H561JCX S.M.CAP	50V 560pF
C3169	ECUV1H102JCX S.M.CAP	50V 1nF
C3173	ECA1HMR47GB ELECT	50V 0.47µF
C3175	ECUV1H561JCX S.M.CAP	50V 560pF
C3177	ECUV1H561JCX S.M.CAP	50V 560pF
C3180	ECA1HMR47GB ELECT	50V 0.47µF
C3181	ERJ6GEY0R00 S.M.CARB	0.1W 5% Ω
C3182	ECUV1H102JCX S.M.CAP	50V 1nF
C3183	ERJ6GEY0R00 S.M.CARB	0.1W 5% Ω
C3184	ECUV1H473KBX S.M.CAP	50V 47nF
C3185	ERJ6GEY0R00 S.M.CARB	0.1W 5% Ω
C3186	ECEA1HNR47UB ELECT	50V 0.47µF
C3187	ECA1HM470GB ELECT	50V 47µF
C3188	ECEA1CN470 ELECT	16V 47µF
C3189	ECEA1CN470 ELECT	16V 47µF
C3190	ECA1HMR47GB ELECT	50V 0.47µF
C3191	ECA1HM470GB ELECT	50V 47µF
C3192	ECUV1H473KBX S.M.CAP	50V 47nF
C3193	ECUV1H473KBX S.M.CAP	50V 47nF
C3194	ECA1HM470GB ELECT	50V 47µF
C3201	ECA1HM010GB ELECT	50V 1µF
C3202	ECUV1H473ZFX S.M.CAP	50V 47nF
C3203	ECA1CM100GB ELECT	16V 10µF
C3204	ECUV1H473ZFX S.M.CAP	50V 47nF
C3351	ECA1HM101GB ELECT	50V 100µF
C3501	ECUV1H220JCX S.M.CAP	50V 22pF
C3502	ECUV1H220JCX S.M.CAP	50V 22pF
C3503	ECEA1HKN010 ELECT	50V 1µF
C3504	ECUV1H224ZFX S.M.CAP	50V 0.22µF
C3510	ECUV1H103ZFX S.M.CAP	50V 10nF
C3511	ECA1HM101GB ELECT	50V 100µF
C3512	ECUV1H104ZFX S.M.CAP	50V 100nF
C3514	ECUV1H104ZFX S.M.CAP	50V 100nF
C3515	ECA0JM331GB ELECT	6.3V 330µF
C3516	ECUV1H104ZFX S.M.CAP	50V 100nF
C3521	ECA1HM101GB ELECT	50V 100µF
C3522	ECUV1H104ZFX S.M.CAP	50V 100nF
C3801	ECA1HM010GB ELECT	50V 1µF
C3802	ECUV1H104ZFX S.M.CAP	50V 100nF
C3803	ECA1CM471GB ELECT	16V 470µF
C3807	ECUV1H104ZFX S.M.CAP	50V 100nF
C3808	ECUV1H104ZFX S.M.CAP	50V 100nF
C3809	ECA0JM101G ELECT	6.3V 100µF
C3810	ECUV1H103KBX S.M.CAP	50V 10nF
C3812	ECA1CM221GB ELECT	16V 220µF

DIODES

D001	MA4020	DIODE
D002	MA4020	DIODE
D103	BA582	DIODE
D104	BA582	DIODE
D251	MA165TA5	DIODE 1SS133T-77
D252	MA165TA5	DIODE 1SS133T-77
D253	MA165TA5	DIODE 1SS133T-77
D254	MA165TA5	DIODE 1SS133T-77
D351	ERA15-04V3	COIL
D352	ERA15-04V3	COIL
D361	ERA15-04V3	COIL
D362	ERA15-04V3	COIL
D371	ERA15-04V3	COIL
D372	ERA15-04V3	COIL

Ref No.	Part No.	Description
D387	MA2160LFS	DIODE
D401	MA165TA5	DIODE 1SS133T-77
D451	MA4056	DIODE
D452	MA2330-ALF	DIODE
D453	TVSEM01ZV0	DIODE
D457	1SS252T-77	DIODE
D502	1SS254T-77	DIODE
D503	EU02	DIODE
D504	EU02	DIODE
D531	1SS254T-77	DIODE
D532	1SS254T-77	DIODE
D533	1SS254T-77	DIODE
D551	EU02	DIODE
D556	AU02V0	DIODE
D557	ERC91-02L9	DIODE
D558	AU02V0	DIODE
D559	MTZJT-7736A	DIODE
D560	1SS252T-77	DIODE
D561	1SS254T-77	DIODE
D563	RH3GLF102	DIODE
D571	FMV-3GULF027	DIODE
D572	RU3NLFA1	DIODE
D573	1SS254T-77	DIODE
D574	1SS252T-77	DIODE
D575	1SS252T-77	DIODE
D602	MA165TA5	DIODE 1SS133T-77
D603	MA165TA5	DIODE 1SS133T-77
D604	MA4062	DIODE
D706	MA165TA5	DIODE 1SS133T-77
D707	MA188TA	DIODE
D803	MTZJT-7711C	DIODE
D806	TF361MALF3	DIODE
D807	RBV-608LF-B	DIODE
D808	1SS254T-77	DIODE
D809	ERA22-02V3	DIODE
D810	MA2160LFS	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
D822	MTZJT-7718C	DIODE
D845	1SS254T-77	DIODE
D846	TVSS1WBS20	DIODE
D847	ERA15-01V1	DIODE
D849	FMGG26S	DIODE
D850	EU02	DIODE
D851	FMGG2CS	DIODE
D853	1SS254T-77	DIODE
D854	1SS254T-77	DIODE
D855	D10SC6MRL	DIODE
D857	FML22SLF610	DIODE
D860	1SS254T-77	DIODE
D861	MTZJT-7713B	DIODE
D901	1SS254T-77	DIODE
D902	1SS254T-77	DIODE
D903	1SS254T-77	DIODE
D1051	LN81RPHL	DIODE
D1052	AU01V0	DIODE
D1053	AU01V0	DIODE
D1054	AU01V0	DIODE
D1055	AU01V0	DIODE
D1056	AU01V0	DIODE
D1057	AU01V0	DIODE
D1102	MA4051	DIODE
D1107	MTZJT-775.6A	DIODE
D1108	1SS254T-77	DIODE
D1109	1SS254T-77	DIODE

Ref No.	Part No.	Description
D1113	MA4051	DIODE
D1552	RLS72TE-11	DIODE OR PMLL4148
D2005	MA723TA5	DIODE
D2006	MA723TA5	DIODE
D3101	PMLL5242B	DIODE
D3102	PMLL5242B	DIODE
D3103	PMLL5242B	DIODE
D3104	PMLL5242B	DIODE
D3105	PMLL5242B	DIODE
D3107	PMLL5242B	DIODE
D3108	PMLL5242B	DIODE
D3109	PMLL5242B	DIODE
D3110	PMLL5242B	DIODE
D3111	PMLL5242B	DIODE
D3112	PMLL5242B	DIODE
D3115	PMLL5242B	DIODE
D3117	PMLL5242B	DIODE
D3120	RLS72TE-11	DIODE OR PMLL4148
D3121	RLS72TE-11	DIODE OR PMLL4148
D3351	1SS254T-77	DIODE
D3501	MA4030	DIODE
D3801	MA4043	DIODE
D3802	MTZJT-778.2A	DIODE
D3803	ERA81004V3	DIODE
D3805	MA4091	DIODE
D3806	MA165TA5	DIODE 1SS133T-77
D3807	MA165TA5	DIODE 1SS133T-77

FUSES

F531	TR5-T1000	FUSE	△
F801	XBA2C50TH15	FUSE	
F845	TR5-T2000	FUSE	△
F846	TR5-T1250	FUSE	△
F8011	EYF52BC	FUSE HOLDER	
F8012	EYF52BC	FUSE HOLDER	

TERMINALS AND LINKS

JA2	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JA3	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JA5	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JA6	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JA7	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JA8	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JA9	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JK3001	TJB16656	A.V. TERMINAL			
JSB3	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE010	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE011	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE012	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE015	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE02	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE022	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE023	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE024	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE025	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE028	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE042	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE050	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE056	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE057	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE058	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE062	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE064	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE066	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSE09	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSF001	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSF002	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω
JSF004	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0Ω

Ref No.	Part No.	Description
JSF005	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
JSF015	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
JSF026	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
JSF038	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
JSF040	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
JSF041	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
JSF045	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
JSF046	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
JSF049	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
JSF050	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
JSF054	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
JSF056	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
JSF059	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
JSF061	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
JSF062	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
JSH004	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
JSH005	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
JSH01	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
JSH010	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
JSH02	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω

COILS

LC1503	ELKTR391CA	DELAY LINE
LC1507	EXCEMT103DTM	COIL
LC1508	EXCEMT103DTM	COIL
LC1509	EXCEMT103DTM	COIL
LC1510	EXCEMT103DTM	COIL
LC1601	ELKTR391CA	DELAY LINE
LC1602	ELKTR391CA	DELAY LINE
LC1603	ELKTR391CA	DELAY LINE
LC1609	ELKTR560BA	DELAY LINE
L002	TLT047K991R	COIL
L004	TLT047K991R	COIL
L005	TLT047K991R	COIL
L102	TLT056K991R	COIL
L103	EQV7EN203B	COIL
L105	ELESNR22MA	COIL
L107	ELESNR22MA	COIL
L108	ELESNR22MA	COIL
L109	EIL7EN015Q	COIL
L110	EQL7EN022Q	COIL
L113	EIL7EN015Q	COIL
L252	EXCELSA35T	COIL
L253	EXCELSA35T	COIL
L254	EXCELSA35T	COIL
L255	EXCELSA35T	COIL
L351	SDL5000	DELAY LINE
L352	EXCELD25V	COIL
L353	TLT150K991R	COIL
L361	SDL5000	DELAY LINE
L362	EXCELD25V	COIL
L363	TLT150K991R	COIL
L371	SDL5000	DELAY LINE
L372	EXCELD25V	COIL
L373	TLT150K991R	COIL
L381	TLT220K991R	COIL
L401	EXCELD35V	COIL
L402	EXCELD35V	COIL
L451	EXCELD35V	COIL
L552	EXCELSA35T	COIL
L553	EXCELSA35T	COIL
L554	EXCELD35V	COIL
L555	EXCELD35C	COIL
L571	ELC18B801L	COIL
L572	ELHKL025B	COIL
L575	ELC18B331E	COIL
L576	ELC08D101E	COIL
L601	TLT047K991R	COIL
L602	TLT047K991R	COIL
L603	TLT047K991R	COIL

Ref No.	Part No.	Description
L605	ERD25TCOT	CARBON 0.25W 5% 0Ω
L801	ELF18D486D	COIL
L802	ELF18D486D	COIL
L807	ELF18D856A	COIL
L808	EXCELSA35T	COIL
L809	EXCELD35C	COIL
L810	EXCELSA39V	COIL
L811	EXCELSA39V	COIL
L812	EXCELD35V	COIL
L813	EXCELD35V	COIL
L817	EXCELD35V	COIL
L845	EXCELSA35T	COIL
L847	EXCELSA35B	COIL
L848	EXCELSA35T	COIL
L850	EXCELSA35T	COIL
L851	EXCELSA35B	COIL
L854	ELEIE150KA	COIL
L856	EXCELSA35T	COIL
L859	EXCELSA35T	COIL
L860	EXCELSA35T	COIL
L861	EXCELSA35T	COIL
L862	EXCELSA35T	COIL
L864	EXCELD35V	COIL
L1102	EXCELD35V	COIL
L1103	EXCELD35V	COIL
L1104	EXCELSA35T	COIL
L1105	ELEXT4R7KA	COIL
L1301	TLT330K991R	COIL
L1302	TLT100K991R	COIL
L1303	TLT101K991R	COIL
L1304	TLT100K991R	COIL
L1306	TLT101K991R	COIL
L1307	ERD25TCOT	CARBON 0.25W 5% 0Ω
L1501	EXCELD35V	COIL
L1502	TLT033K991R	COIL
L1503	TLT033K991R	COIL
L1504	TLT033K991R	COIL
L1552	EXCELD35V	COIL
L1553	EXCELD35V	COIL
L1575	EXCELD35V	COIL
L1576	EXCELD35V	COIL
L1601	EXCELD35V	COIL
L1602	EXCELD35V	COIL
L1603	TLT100K991R	COIL
L1604	TLT100K991R	COIL
L1605	TLT100K991R	COIL
L1606	TLT100K991R	COIL
L1607	EXCELD35V	COIL
L1641	EXCELD35V	COIL
L1701	EXCELD35V	COIL
L1721	EXCELD35V	COIL
L1722	EXCELD35V	COIL
L2001	TLT047K991R	COIL
L2003	EXCELD35V	COIL
L2004	TLT068K991R	COIL
L2005	TLT068K991R	COIL
L2351	ELEBR6R8KA	COIL
L2361	ELEBR6R8KA	COIL
L3001	ELEBR6R8KA	COIL
L3002	ELEBR6R8KA	COIL
L3003	ELEBR470KA	COIL
L3101	ELEMV1R5MA	COIL
L3102	ELEMV1R5MA	COIL
L3103	ELEMV1R5MA	COIL
L3104	ELEMV1R5MA	COIL
L3107	ELEMV1R5MA	COIL
L3108	ELEMV1R5MA	COIL
L3109	ELEMV1R5MA	COIL
L3110	ELEMV1R5MA	COIL
L3111	ELEMV1R5MA	COIL
L3112	ELEMV1R5MA	COIL
L3113	ELEMV1R5MA	COIL

Ref No.	Part No.	Description
L3114	ELEMV1R5MA	COIL
L3503	EXCELDR35V	COIL
L3507	EXCELDR35V	COIL
L3509	EXCELDR35V	COIL
L3511	TLT100K991R	COIL
TRANSISTORS		
Q008	BC847B	TRANSISTOR OR 2SD601ATX
Q101	BC847B	TRANSISTOR OR 2SD601ATX
Q102	BC847B	TRANSISTOR OR 2SD601ATX
Q103	BC847B	TRANSISTOR OR 2SD601ATX
Q104	BC847B	TRANSISTOR OR 2SD601ATX
Q105	BC847B	TRANSISTOR OR 2SD601ATX
Q106	BF799E6327	CHIP TRANSISTOR
Q107	BC847B	TRANSISTOR OR 2SD601ATX
Q108	BC847B	TRANSISTOR OR 2SD601ATX
Q109	BC860B	TRANSISTOR
Q251	BC847B	TRANSISTOR OR 2SD601ATX
Q252	BC847B	TRANSISTOR OR 2SD601ATX
Q401	BC847B	TRANSISTOR OR 2SD601ATX
Q502	2SC2925STA	TRANSISTOR
Q531	BC547B	TRANSISTOR
Q532	BC547B	TRANSISTOR
Q533	BC547B	TRANSISTOR
Q535	BC547B	TRANSISTOR
Q551	BC547B	TRANSISTOR
Q552	2SC5144LBMA1	TRANSISTOR
Q553	2SC1473-RN	TRANSISTOR
Q554	2SC1473-RN	TRANSISTOR
Q572	BC547B	TRANSISTOR
Q573	BC557B	TRANSISTOR
Q574	2SD1265AOPLB	TRANSISTOR
Q601	BC847B	TRANSISTOR OR 2SD601ATX
Q602	BC857B	TRANSISTOR OR 2SB709ATX
Q603	BC847B	TRANSISTOR OR 2SD601ATX
Q604	BC857B	TRANSISTOR OR 2SB709ATX
Q605	BC857B	TRANSISTOR OR 2SB709ATX
Q607	BC847B	TRANSISTOR OR 2SD601ATX
Q608	BC847B	TRANSISTOR OR 2SD601ATX
Q609	BC847B	TRANSISTOR OR 2SD601ATX
Q610	BC847B	TRANSISTOR OR 2SD601ATX
Q611	BC847B	TRANSISTOR OR 2SD601ATX
Q612	BC847B	TRANSISTOR OR 2SD601ATX
Q801	2SK1489MAT	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
Q851	BC547B	TRANSISTOR
Q852	BC547B	TRANSISTOR
Q901	BC847B	TRANSISTOR OR 2SD601ATX
Q902	BC847B	TRANSISTOR OR 2SD601ATX
Q903	BC847B	TRANSISTOR OR 2SD601ATX
Q904	BC857B	TRANSISTOR OR 2SB709ATX
Q905	BC847B	TRANSISTOR OR 2SD601ATX
Q906	BC847B	TRANSISTOR OR 2SD601ATX
Q907	BC857B	TRANSISTOR OR 2SB709ATX
Q908	2SA1535ARLB	TRANSISTOR
Q909	2SC3944ARLB	TRANSISTOR
Q1052	BC557B	TRANSISTOR
Q1101	BC847B	TRANSISTOR OR 2SD601ATX
Q1102	BC847B	TRANSISTOR OR 2SD601ATX
Q1103	BC847B	TRANSISTOR OR 2SD601ATX
Q1106	BC847B	TRANSISTOR OR 2SD601ATX
Q1107	BC847B	TRANSISTOR OR 2SD601ATX
Q1108	BC847B	TRANSISTOR OR 2SD601ATX

Ref No.	Part No.	Description
Q1112	2SC3757QRTX	TRANSISTOR
Q1191	BC847B	TRANSISTOR OR 2SD601ATX
Q1301	BC847B	TRANSISTOR OR 2SD601ATX
Q1303	BC847B	TRANSISTOR OR 2SD601ATX
Q1304	BC847B	TRANSISTOR OR 2SD601ATX
Q1501	BC847B	TRANSISTOR OR 2SD601ATX
Q1502	BC847B	TRANSISTOR OR 2SD601ATX
Q1503	BC847B	TRANSISTOR OR 2SD601ATX
Q1575	BC847B	TRANSISTOR OR 2SD601ATX
Q1642	BC847B	TRANSISTOR OR 2SD601ATX
Q1643	BC847B	TRANSISTOR OR 2SD601ATX
Q1644	BC857B	TRANSISTOR OR 2SB709ATX
Q1647	BC847B	TRANSISTOR OR 2SD601ATX
Q1648	BC857B	TRANSISTOR OR 2SB709ATX
Q1649	BC857B	TRANSISTOR OR 2SB709ATX
Q2001	BC860B	TRANSISTOR
Q2002	BC860B	TRANSISTOR
Q2003	BC860B	TRANSISTOR
Q2004	BC860B	TRANSISTOR
Q2006	BC857B	TRANSISTOR OR 2SB709ATX
Q2007	BC847B	TRANSISTOR OR 2SD601ATX
Q2351	BC547B	TRANSISTOR
Q2352	BC547B	TRANSISTOR
Q2353	BC557B	TRANSISTOR
Q2361	BC547B	TRANSISTOR
Q2362	BC547B	TRANSISTOR
Q2363	BC557B	TRANSISTOR
Q3101	BC847B	TRANSISTOR OR 2SD601ATX
Q3102	BC847B	TRANSISTOR OR 2SD601ATX
Q3103	BC847B	TRANSISTOR OR 2SD601ATX
Q3104	BC847B	TRANSISTOR OR 2SD601ATX
Q3105	BC847B	TRANSISTOR OR 2SD601ATX
Q3106	BC847B	TRANSISTOR OR 2SD601ATX
Q3107	BC857B	TRANSISTOR OR 2SB709ATX
Q3108	BC847B	TRANSISTOR OR 2SD601ATX
Q3113	BC847B	TRANSISTOR OR 2SD601ATX
Q3114	BC847B	TRANSISTOR OR 2SD601ATX
Q3115	BC857B	TRANSISTOR OR 2SB709ATX
Q3201	BC847B	TRANSISTOR OR 2SD601ATX
Q3351	BC847B	TRANSISTOR OR 2SD601ATX
Q3352	BC857B	TRANSISTOR OR 2SB709ATX
Q3501	BC847B	TRANSISTOR OR 2SD601ATX
Q3502	BC847B	TRANSISTOR OR 2SD601ATX
Q3503	2SC3130TX	TRANSISTOR
Q3801	2SD1474PLB	TRANSISTOR
RESISTOR		
RL571	TSEH8012	RELAY
RL806	TSE1885-1	RELAY
R003	ERJ6GEYJ223	S.M.CARB 0.1W 5% 22KΩ
R006	ERJ6GEYJ393	S.M.CARB 0.1W 5% 39KΩ
R011	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R012	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R101	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R102	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R103	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R104	ERJ6GEYOR00	S.M.CARB 0.1W 5% 0Ω
R105	ERJ6GEYJ331	S.M.CARB 0.1W 5% 330Ω
R106	ERJ6GEYJ680	S.M.CARB 0.1W 5% 68Ω
R107	ERJ6GEYJ123	S.M.CARB 0.1W 5% 12KΩ
R109	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R110	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R111	ERJ6GEYJ331	S.M.CARB 0.1W 5% 330Ω
R113	ERJ6GEYOR00	S.M.CARB 0.1W 5% 0Ω
R115	ERJ6GEYJ121	S.M.CARB 0.1W 5% 120Ω
R117	ERJ6GEYJ683	S.M.CARB 0.1W 5% 68KΩ
R118	ERJ6GEYJ151	S.M.CARB 0.1W 5% 150Ω
R119	ERJ6GEYOR00	S.M.CARB 0.1W 5% 0Ω
R120	ERJ6GEYJ223	S.M.CARB 0.1W 5% 22KΩ
R121	ERJ6GEYJ331	S.M.CARB 0.1W 5% 330Ω

Ref No.	Part No.	Description		
R122	EVNDXAA03B24	CONTROL	20KΩ	
R123	ERJ6GEYJ104	S.M.CARB 0.1W	5% 100KΩ	
R124	ERJ6GEYJ223	S.M.CARB 0.1W	5% 22KΩ	
R125	ERJ6GEYJ101	S.M.CARB 0.1W	5% 100Ω	
R126	ERJ6GEYJ223	S.M.CARB 0.1W	5% 22KΩ	
R127	ERJ6GEYJ473	S.M.CARB 0.1W	5% 47KΩ	
R128	ERJ6GEYJ181	S.M.CARB 0.1W	5% 180Ω	
R130	ERJ6GEY0R00	S.M.CARB 0.1W	5% 0Ω	
R132	ERJ6GEYJ122	S.M.CARB 0.1W	5% 1K2Ω	
R133	ERJ6GEYJ122	S.M.CARB 0.1W	5% 1K2Ω	
R134	ERJ6GEYJ103	S.M.CARB 0.1W	5% 10KΩ	
R135	ERJ6GEYJ103	S.M.CARB 0.1W	5% 10KΩ	
R136	ERJ6GEYJ122	S.M.CARB 0.1W	5% 1K2Ω	
R137	ERJ6GEYJ104	S.M.CARB 0.1W	5% 100KΩ	
R138	ERJ6GEYJ122	S.M.CARB 0.1W	5% 1K2Ω	
R139	ERJ6GEYJ154	S.M.CARB 0.1W	5% 150KΩ	
R141	ERJ6GEYJ330	S.M.CARB 0.1W	5% 33Ω	
R142	ERJ6GEYJ271	S.M.CARB 0.1W	5% 270Ω	
R143	ERJ6GEYJ123	S.M.CARB 0.1W	5% 12KΩ	
R144	ERJ6GEYJ152	S.M.CARB 0.1W	5% 1K5Ω	
R145	ERJ6GEYJ331	S.M.CARB 0.1W	5% 330Ω	
R146	ERJ6GEYJ104	S.M.CARB 0.1W	5% 100KΩ	
R147	ERJ6GEYJ122	S.M.CARB 0.1W	5% 1K2Ω	
R148	ERJ6GEYJ183	S.M.CARB 0.1W	5% 18KΩ	
R149	ERJ6GEYJ682	S.M.CARB 0.1W	5% 6K8Ω	
R150	ERJ6GEYJ221	S.M.CARB 0.1W	5% 220Ω	
R151	ERJ6GEYJ471	S.M.CARB 0.1W	5% 470Ω	
R152	ERJ6GEYJ103	S.M.CARB 0.1W	5% 10KΩ	
R154	ERJ6GEY0R00	S.M.CARB 0.1W	5% 0Ω	
R156	ERJ6GEY0R00	S.M.CARB 0.1W	5% 0Ω	
R157	ERJ6GEYJ101	S.M.CARB 0.1W	5% 100Ω	
R159	ERJ6GEYJ153	S.M.CARB 0.1W	5% 15KΩ	
R251	ERJ6GEYJ2R2	SM.CARBO.125W	5% 2R2Ω	
R252	ERJ6GEYJ273	S.M.CARB 0.1W	5% 27KΩ	
R253	ERJ6GEYJ153	S.M.CARB 0.1W	5% 15KΩ	
R254	ERJ6GEYJ223	S.M.CARB 0.1W	5% 22KΩ	
R255	ERJ6GEYJ331	S.M.CARB 0.1W	5% 330Ω	
R256	ERJ6GEYJ104	S.M.CARB 0.1W	5% 100KΩ	
R257	ERJ6GEYJ102	S.M.CARB 0.1W	5% 1KΩ	
R258	ERJ6GEYJ471	S.M.CARB 0.1W	5% 470Ω	
R259	ERG3SJS120	METAL 3W	5% 12Ω	△
R260	ERJ6GEYJ2R2	SM.CARBO.125W	5% 2R2Ω	
R261	ERJ6GEYJ273	S.M.CARB 0.1W	5% 27KΩ	
R262	ERJ6GEYJ223	S.M.CARB 0.1W	5% 22KΩ	
R263	ERJ6GEYJ331	S.M.CARB 0.1W	5% 330Ω	
R264	ERJ6GEYJ104	S.M.CARB 0.1W	5% 100KΩ	
R265	ERJ6GEYJ471	S.M.CARB 0.1W	5% 470Ω	
R266	ERJ6GEYJ102	S.M.CARB 0.1W	5% 1KΩ	
R267	ERJ6GEYJ391	S.M.CARB 0.1W	5% 390Ω	
R268	ERJ6GEYJ391	S.M.CARB 0.1W	5% 390Ω	
R269	ERJ6GEYJ153	S.M.CARB 0.1W	5% 15KΩ	
R270	ERG3SJS120	METAL 3W	5% 12Ω	△
R351	ERJ6GEYJ102	S.M.CARB 0.1W	5% 1KΩ	
R352	ERJ6GEYJ102	S.M.CARB 0.1W	5% 1KΩ	
R354	ERJ6GEYJ102	S.M.CARB 0.1W	5% 1KΩ	
R355	ERG2FJ823	METAL 2W	5% 82KΩ	△
R356	ERJ6GEY0R00	S.M.CARB 0.1W	5% 0Ω	
R357	ERJ6GEYJ822	S.M.CARB 0.1W	5% 8K2Ω	
R358	ERDS1TJ821	CARBON 0.5W	5% 820Ω	
R359	ERJ6GEYJ334	S.M.CARB 0.1W	5% 330KΩ	
R360	ERDS1TJ103	CARBON 0.5W	5% 10KΩ	
R361	ERJ6GEYJ102	S.M.CARB 0.1W	5% 1KΩ	
R362	ERJ6GEYJ102	S.M.CARB 0.1W	5% 1KΩ	
R364	ERJ6GEYJ102	S.M.CARB 0.1W	5% 1KΩ	
R365	ERG2FJ823	METAL 2W	5% 82KΩ	△
R366	ERJ6GEY0R00	S.M.CARB 0.1W	5% 0Ω	
R367	ERJ6GEYJ822	S.M.CARB 0.1W	5% 8K2Ω	
R368	ERDS1TJ821	CARBON 0.5W	5% 820Ω	
R369	ERJ6GEY0R00	S.M.CARB 0.1W	5% 0Ω	
R371	ERJ6GEYJ102	S.M.CARB 0.1W	5% 1KΩ	
R372	ERJ6GEYJ102	S.M.CARB 0.1W	5% 1KΩ	
R374	ERJ6GEYJ102	S.M.CARB 0.1W	5% 1KΩ	

Ref No.	Part No.	Description		
R375	ERG2FJ823	METAL 2W	5% 82KΩ	△
R376	ERJ6GEY0R00	S.M.CARB 0.1W	5% 0Ω	
R377	ERJ6GEYJ822	S.M.CARB 0.1W	5% 8K2Ω	
R378	ERDS1TJ821	CARBON 0.5W	5% 820Ω	
R379	ERJ6GEY0R00	S.M.CARB 0.1W	5% 0Ω	
R380	ERJ6GEYJ222	S.M.CARB 0.1W	5% 2K2Ω	
R381	ERJ6GEYJ561	S.M.CARB 0.1W	5% 560Ω	
R383	ERJ6GEYJ562	S.M.CARB 0.1W	5% 5K6Ω	
R384	ERQ12HJ101	FUSIBLE 0.5W	5% 100Ω	△
R390	ERDS1TJ184	CARBON 0.5W	5% 180K	
R401	ERJ6GEYJ153	S.M.CARB 0.1W	5% 15KΩ	
R402	ERJ6GEYJ332	S.M.CARB 0.1W	5% 3K3Ω	
R403	ERJ6GEYJ392	S.M.CARB 0.1W	5% 3K9Ω	
R406	ERJ6GEYJ393	S.M.CARB 0.1W	5% 39KΩ	
R407	ERJ6GEYJ101	S.M.CARB 0.1W	5% 100Ω	
R408	ERJ6GEYJ101	S.M.CARB 0.1W	5% 100Ω	
R409	ERJ6GEYJ102	S.M.CARB 0.1W	5% 1KΩ	
R410	ERJ6GEYJ100	S.M.CARB 0.1W	5% 10Ω	
R411	ERJ6GEYJ123	S.M.CARB 0.1W	5% 12KΩ	
R412	ERJ6GEYJ103	S.M.CARB 0.1W	5% 10KΩ	
R451	ERJ6GEYJ302	S.M.CARB 0.1W	5% 3K0Ω	
R452	ERJ6GEYJ563	S.M.CARB 0.1W	5% 56KΩ	
R453	ERG2FJ820	METAL 2W	5% 82Ω	△
R454	ERX12SJ1R0	METAL 12W	5% 1R0Ω	
R455	ERX12SJ1R2	METAL 12W	5% 1R2Ω	
R456	ERDS1TJ220	CARBON 0.5W	5% 22Ω	
R457	ERDS1TJ223	CARBON 0.5W	5% 22KΩ	
R458	ERG1SJ272	METAL 1W	5% 2K7Ω	△
R459	ERJ6GEYJ393	S.M.CARB 0.1W	5% 39KΩ	
R460	ERJ6GEYJ104	S.M.CARB 0.1W	5% 100KΩ	
R461	ERJ6GEYJ184	S.M.CARB 0.1W	5% 180KΩ	
R504	ERD25TJ271	CARBON 0.25W	5% 270Ω	
R505	ERG3SJS330	METAL 3W	5% 33Ω	△
R506	ERDS1TJ152	CARBON 0.5W	5% 1K5Ω	
R507	ERDS1TJ152	CARBON 0.5W	5% 1K5Ω	
R531	ERD25TJ103	CARBON 0.25W	5% 10KΩ	
R532	ERD25TJ103	CARBON 0.25W	5% 10KΩ	
R533	ERD25TJ683	CARBON 0.25W	5% 68KΩ	
R534	ERD25TJ473	CARBON 0.25W	5% 47KΩ	
R535	ERD25TJ472	CARBON 0.25W	5% 4K7Ω	
R536	ERD25TJ103	CARBON 0.25W	5% 10KΩ	
R539	ERD25TJ103	CARBON 0.25W	5% 10KΩ	
R540	ERD25TJ183	CARBON 0.25W	5% 18KΩ	
R541	ERD25TJ102	CARBON 0.25W	5% 1KΩ	
R542	ERD25TJ103	CARBON 0.25W	5% 10KΩ	
R543	ERD25TJ222	CARBON 0.25W	5% 2K2Ω	
R547	ERD25TJ103	CARBON 0.25W	5% 10KΩ	
R551	ERD25TJ103	CARBON 0.25W	5% 10KΩ	
R552	ERD25TJ473	CARBON 0.25W	5% 47KΩ	
R553	ERD25TJ103	CARBON 0.25W	5% 10KΩ	
R554	ERX3SJSR27H	METAL 3W	5% R27Ω	
R556	ERO50PKF2802	METAL 50W	1% 28KΩ	△
R559	ERO25CKF1002	METAL 0.25W	1% 10KΩ	△
R560	ERD25TJ222	CARBON 0.25W	5% 2K2Ω	
R562	ERD25TJ473	CARBON 0.25W	5% 47KΩ	
R564	ERDS1TJ394	CARBON 0.5W	5% 390KΩ	
R565	ERQ14AJW2R2	FUSIBLE 14W	5% 2R2Ω	△
R566	ERDS1TJ183	CARBON 0.5W	5% 18KΩ	
R567	ERG2ANJ223	METAL 2W	5% 22KΩ	
R568	ERQ12HJ330	METAL 0.5W	5% 33Ω	△
R569	ERDS1TJ120	CARBON 0.5W	5% 12Ω	
R570	ERD25TJ103	CARBON 0.25W	5% 10KΩ	
R571	ERX3FJ2R7H	METAL 3W	5% 2R7Ω	
R572	ERG3FJ821	METAL 3W	5% 820Ω	△
R577	ERD25TJ683	CARBON 0.25W	5% 68KΩ	
R578	ERD25TJ153	CARBON 0.25W	5% 15KΩ	
R579	ERD25TJ274	CARBON 0.25W	5% 270KΩ	
R580	ERD25TJ563	CARBON 0.25W	5% 56KΩ	
R581	ERD25TJ104	CARBON 0.25W	5% 100KΩ	
R582	ERD25TJ225	CARBON 0.25W	5% 2M2Ω	
R583	ERD25TJ225	CARBON 0.25W	5% 2M2Ω	

Ref No.	Part No.	Description			
R584	ERD25TJ152	CARBON 0.25W	5%	1K5Ω	
R585	TSF19201	FS LINK			△
R587	ERD25TJ222	CARBON 0.25W	5%	2K2Ω	
R588	ERD25TJ222	CARBON 0.25W	5%	2K2Ω	
R589	ERDS1TJ100	CARBON 0.5W	5%	10Ω	
R601	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R602	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R603	ERJ6GEYJ102	S.M.CARB 0.1W	5%	1KΩ	
R604	ERJ6GEYJ750	S.M.CARB 0.1W	5%	75Ω	
R605	ERJ6GEYJ750	S.M.CARB 0.1W	5%	75Ω	
R606	ERJ6GEYJ750	S.M.CARB 0.1W	5%	75Ω	
R609	ERJ6GEYJ153	S.M.CARB 0.1W	5%	15KΩ	
R610	ERJ6GEYJ823	S.M.CARB 0.1W	5%	82KΩ	
R612	ERJ6GEYJ392	S.M.CARB 0.1W	5%	3K9Ω	
R613	ERJ6GEYJ392	S.M.CARB 0.1W	5%	3K9Ω	
R615	ERJ6GEYJ823	S.M.CARB 0.1W	5%	82KΩ	
R616	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R617	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R618	ERJ6GEYJ100	S.M.CARB 0.1W	5%	10Ω	
R619	ERJ6GEY0R00	S.M.CARB 0.1W	5%	0Ω	
R620	ERJ6GEY0R00	S.M.CARB 0.1W	5%	0Ω	
R621	ERJ6GEY0R00	S.M.CARB 0.1W	5%	0Ω	
R624	ERJ6GEYJ151	S.M.CARB 0.1W	5%	150Ω	
R625	ERJ6GEYJ393	S.M.CARB 0.1W	5%	39KΩ	
R626	ERJ6GEYJ153	S.M.CARB 0.1W	5%	15KΩ	
R627	ERJ6GEYJ681	S.M.CARB 0.1W	5%	680Ω	
R628	ERJ6GEYJ151	S.M.CARB 0.1W	5%	150Ω	
R629	ERJ6GEY0R00	S.M.CARB 0.1W	5%	0Ω	
R630	ERJ6GEYJ560	S.M.CARB 0.1W	5%	56Ω	
R632	ERJ6GEYJ393	S.M.CARB 0.1W	5%	39KΩ	
R633	ERJ6GEYJ153	S.M.CARB 0.1W	5%	15KΩ	
R634	ERJ6GEYJ681	S.M.CARB 0.1W	5%	680Ω	
R635	ERJ6GEYJ151	S.M.CARB 0.1W	5%	150Ω	
R636	ERJ6GEY0R00	S.M.CARB 0.1W	5%	0Ω	
R637	ERJ6GEYJ331	S.M.CARB 0.1W	5%	330Ω	
R639	EVNDXAA03B32	CONTROL		300Ω	
R640	ERJ6GEY0R00	S.M.CARB 0.1W	5%	0Ω	
R643	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R644	ERJ6GEYJ102	S.M.CARB 0.1W	5%	1KΩ	
R645	ERJ6GEYJ271	S.M.CARB 0.1W	5%	270Ω	
R646	ERJ6GEY0R00	S.M.CARB 0.1W	5%	0Ω	
R647	ERJ6GEYJ151	S.M.CARB 0.1W	5%	150Ω	
R648	ERJ6GEYJ150	S.M.CARB 0.1W	5%	15Ω	
R649	ERJ6GEY0R00	S.M.CARB 0.1W	5%	0Ω	
R651	ERJ6GEYJ225	S.M.CARB 0.125W	5%	2M2Ω	
R652	ERJ6GEYJ103	S.M.CARB 0.1W	5%	10KΩ	
R653	ERJ6GEYJ103	S.M.CARB 0.1W	5%	10KΩ	
R654	ERJ6GEYJ103	S.M.CARB 0.1W	5%	10KΩ	
R655	ERJ6GEYJ243	S.M.CARB 0.125W	5%	24KΩ	
R656	ERJ6GEYJ103	S.M.CARB 0.1W	5%	10KΩ	
R657	ERJ6GEYJ103	S.M.CARB 0.1W	5%	10KΩ	
R658	ERJ6GEYJ103	S.M.CARB 0.1W	5%	10KΩ	
R659	ERJ6GEYJ102	S.M.CARB 0.1W	5%	1KΩ	
R660	ERJ6GEYJ102	S.M.CARB 0.1W	5%	1KΩ	
R661	ERJ6GEYJ102	S.M.CARB 0.1W	5%	1KΩ	
R662	ERJ6GEY0R00	S.M.CARB 0.1W	5%	0Ω	
R663	ERJ6GEY0R00	S.M.CARB 0.1W	5%	0Ω	
R664	ERC14GJ206V	SOLID 14W	5%	20MΩ	
R665	ERC14GJ206V	SOLID 14W	5%	20MΩ	
R711	ERJ6GEYJ224	S.M.CARB 0.1W	5%	220KΩ	
R712	ERJ6GEYJ223	S.M.CARB 0.1W	5%	22KΩ	
R714	ERJ6GEYJ682	S.M.CARB 0.1W	5%	6K8Ω	
R715	ERJ6GEYJ222	S.M.CARB 0.1W	5%	2K2Ω	
R716	ERJ6GEY0R00	S.M.CARB 0.1W	5%	0Ω	
R717	ERJ6GEYJ153	S.M.CARB 0.1W	5%	15KΩ	
R718	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	
R753	ERD25TJ333	CARBON 0.25W	5%	33KΩ	
R805	232266296706	THERMISTOR			
R806	ERD25TJ101	CARBON 0.25W	5%	100Ω	
R807	ERD25TJ104	CARBON 0.25W	5%	100KΩ	
R809	ERF10ZK4R7	WOUND 10W	5%	4R7Ω	△
R810	ERD25TJ223	CARBON 0.25W	5%	22KΩ	

Ref No.	Part No.	Description			
R811	ERD25TJ102	CARBON 0.25W	5%	1KΩ	
R812	ERD25TJ681	CARBON 0.25W	5%	680Ω	
R814	ERD25TJ332	CARBON 0.25W	5%	3K3Ω	
R815	ERD25TJ150	CARBON 0.25W	5%	15Ω	
R816	ERDS1TJ470	CARBON 0.5W	5%	47Ω	
R818	ERD25TJ331	CARBON 0.25W	5%	330Ω	
R820	ERG3FJ223	METAL 3W	5%	22KΩ	△
R821	ERG3FJ223	METAL 3W	5%	22KΩ	△
R822	ERD25TJ391	CARBON 0.25W	5%	390Ω	
R823	ERX2SJR22	METAL 2W	5%	R22Ω	
R824	ERX2SJR22	METAL 2W	5%	R22Ω	
R825	ERX2SJR22	METAL 2W	5%	R22Ω	
R827	ERDS1FJ100	CARBON 0.5W	5%	10Ω	
R828	ERD25TJ103	CARBON 0.25W	5%	10KΩ	
R829	ERD25TJ471	CARBON 0.25W	5%	470Ω	
R831	ERD75TAJ825	CARBON 0.75W	5%	8M2Ω	△
R832	ERG1SJ331	METAL 1W	5%	330Ω	△
R835	ERD25TJ220	CARBON 0.25W	5%	22Ω	
R836	ERD25TJ100	CARBON 0.25W	5%	10Ω	
R837	ERD25TJ153	CARBON 0.25W	5%	15KΩ	
R838	ERD25TJ102	CARBON 0.25W	5%	1KΩ	
R853	ERQ25CKF1002	METAL 0.25W	1%	10KΩ	△
R854	ERDS1TJ153	CARBON 0.5W	5%	15KΩ	
R855	ERD25TJ472	CARBON 0.25W	5%	4K7Ω	
R856	ERD25TJ473	CARBON 0.25W	5%	47KΩ	
R858	ERQ25CKF1002	METAL 0.25W	1%	10KΩ	△
R862	ERD25TJ472	CARBON 0.25W	5%	4K7Ω	
R863	ERG3FJ680	METAL 3W	5%	68Ω	△
R864	ERDS1TJ103	CARBON 0.5W	5%	10KΩ	
R865	ERG3FJ680	METAL 3W	5%	68Ω	△
R867	ERD25TJ102	CARBON 0.25W	5%	1KΩ	
R870	ERD25TJ101	CARBON 0.25W	5%	100Ω	
R873	ERDS1TJ3R3	CARBON 0.5W	5%	3R3Ω	
R876	ERD25TJ562	CARBON 0.25W	5%	5K6Ω	
R877	ERQ25CKF1022	METAL 25W	1%	10KΩ	△
R878	ERQ25CKF1002	METAL 0.25W	1%	10KΩ	△
R883	ERD25TJ103	CARBON 0.25W	5%	10KΩ	
R885	ERD25TJ103	CARBON 0.25W	5%	10KΩ	
R886	ERF10ZK4R7	WOUND 10W	5%	4R7Ω	△
R888	ERDS1TJ393	CARBON 0.5W	5%	39KΩ	
R889	ERD25TJ392	CARBON 0.25W	5%	3K9Ω	
R890	ERX3SJR56	METAL 3W	5%	R56Ω	
R891	ERD25TJ103	CARBON 0.25W	5%	10KΩ	
R892	ERD25TJ222	CARBON 0.25W	5%	2K2Ω	
R894	ERD25TJ101	CARBON 0.25W	5%	100Ω	
R905	ERJ6GEYJ681	S.M.CARB 0.1W	5%	680Ω	
R906	ERJ6GEYJ563	S.M.CARB 0.1W	5%	56KΩ	
R907	ERJ6GEYJ822	S.M.CARB 0.1W	5%	8K2Ω	
R908	ERJ6GEYJ471	S.M.CARB 0.1W	5%	470Ω	
R911	ERD25TJ561	CARBON 0.25W	5%	560Ω	
R913	ERJ6GEYJ183	S.M.CARB 0.1W	5%	18KΩ	
R914	ERJ6GEYJ222	S.M.CARB 0.1W	5%	2K2Ω	
R915	ERJ6GEYJ182	S.M.CARB 0.1W	5%	1K8Ω	
R916	ERJ6GEYJ221	S.M.CARB 0.1W	5%	220Ω	
R918	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R919	ERQ14AJW390	FUSIBLE 14W	5%	39Ω	△
R920	ERQ14AJW390	FUSIBLE 14W	5%	39Ω	△
R922	ERD25TJ683	CARBON 0.25W	5%	68KΩ	
R923	ERD25TJ683	CARBON 0.25W	5%	68KΩ	
R924	ERDS1FYJ390	CARBON 0.5W	5%	39Ω	△
R925	ERJ6GEY0R00	S.M.CARB 0.1W	5%	0Ω	
R926	ERJ6GEY0R00	S.M.CARB 0.1W	5%	0Ω	
R927	ERD25TJ122	CARBON 0.25W	5%	1K2Ω	
R928	ERD25TJ2R7	CARBON 0.25W	5%	2R7Ω	
R929	ERDS1FYJ471	CARBON 0.5W	5%	470Ω	△
R930	ERD25TJ2R7	CARBON 0.25W	5%	2R7Ω	
R931	ERDS1FYJ390	CARBON 0.5W	5%	39Ω	△
R932	ERDS1FYJ101	CARBON 0.5W	5%	100Ω	△
R933	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	
R934	ERJ6GEYJ222	S.M.CARB 0.1W	5%	2K2Ω	
R935	ERQ14AJW3R9	FUSIBLE 14W	5%	3R9Ω	△

Ref No.	Part No.	Description				
R936	ERQ1CJP102	METAL	1W	5%	1K Ω	Δ
R937	ERQ14AJW100	METAL	0.25W	5%	10 Ω	Δ
R938	ERD25TJ122	CARBON	0.25W	5%	1K2 Ω	
R940	ERD25TJ3R3	CARBON	0.25W	5%	3R3 Ω	
R941	ERD25TJ3R3	CARBON	0.25W	5%	3R3 Ω	
R1054	ERD25TJ101	CARBON	0.25W	5%	100 Ω	
R1057	ERD25TJ101	CARBON	0.25W	5%	100 Ω	
R1058	ERD25TJ471	CARBON	0.25W	5%	470 Ω	
R1059	ERD25TJ103	CARBON	0.25W	5%	10K Ω	
R1061	ERD25TJ103	CARBON	0.25W	5%	10K Ω	
R1062	ERD25TJ222	CARBON	0.25W	5%	2K2 Ω	
R1063	ERD25TJ222	CARBON	0.25W	5%	2K2 Ω	
R1064	ERD25TJ332	CARBON	0.25W	5%	3K3 Ω	
R1065	ERD25TJ512	CARBON	0.25W	5%	5K1 Ω	
R1066	ERD25TJ912	CARBON	0.25W	5%	9K1 Ω	
R1101	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R1102	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R1103	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R1104	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R1105	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R1106	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R1107	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R1108	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R1111	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1112	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1113	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1116	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1117	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1118	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1119	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1120	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1121	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1122	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1123	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R1124	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1125	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1126	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1127	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1128	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10 Ω	
R1129	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10 Ω	
R1133	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1134	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1135	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R1136	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω	
R1137	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560 Ω	
R1138	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1142	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1143	ERJ6GEYJ392	S.M.CARB	0.1W	5%	3K9 Ω	
R1144	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R1145	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R1149	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K Ω	
R1150	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R1151	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R1152	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R1153	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R1154	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R1156	ERJ6GEYJ182	S.M.CARB	0.1W	5%	1K8 Ω	
R1163	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5 Ω	
R1164	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1169	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R1170	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3 Ω	
R1171	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8 Ω	
R1172	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560 Ω	
R1174	ERDS1TJ561	CARBON	0.5W	5%	560 Ω	
R1182	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R1183	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R1184	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R1185	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1186	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1188	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω	
R1190	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R1191	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω	

Ref No.	Part No.	Description				
R1192	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω	
R1193	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1194	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1301	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R1302	ERJ6GEYJ392	S.M.CARB	0.1W	5%	3K9 Ω	
R1305	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56 Ω	
R1306	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1307	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω	
R1308	ERJ6GEYJ105	S.M.CARB	0.1W	5%	1M Ω	
R1313	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R1315	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1317	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180 Ω	
R1318	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180 Ω	
R1319	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R1320	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R1321	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R1322	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1323	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R1324	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R1325	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1326	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1327	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47 Ω	
R1328	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R1329	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R1337	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω	
R1340	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7 Ω	
R1501	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56 Ω	
R1502	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56 Ω	
R1504	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120 Ω	
R1507	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7 Ω	
R1508	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120 Ω	
R1510	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1511	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7 Ω	
R1513	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7 Ω	
R1515	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R1516	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R1517	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R1518	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1519	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1520	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1523	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1550	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω	
R1551	ERJ6GEYJ180	S.M.CARB	0.1W	5%	18 Ω	
R1552	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56 Ω	
R1554	ERJ6GEYJ180	S.M.CARB	0.1W	5%	18 Ω	
R1555	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω	
R1560	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1561	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1562	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1563	ERJ6GEYJ180	S.M.CARB	0.1W	5%	18 Ω	
R1568	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω	
R1570	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω	
R1572	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560 Ω	
R1575	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390 Ω	
R1576	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820 Ω	
R1577	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75 Ω	
R1578	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10 Ω	
R1581	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R1605	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1606	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1608	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R1620	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R1621	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1622	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R1624	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R1625	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω	
R1626	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390 Ω	
R1627	ERJ6GEYJ622	S.M.CARB	0.125W	5%	6K2 Ω	
R1628	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150 Ω	
R1629	ERJ6GEYJ201	S.M.CARB	0.1W	5%	200 Ω	
R1630	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180 Ω	
R1631	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	

Ref No.	Part No.	Description			
R1632	ERJ6GEYJ133	S.M.CARB0.125W	5%	13KΩ	
R1633	ERJ6GEYJ151	S.M.CARB 0.1W	5%	150Ω	
R1634	ERJ6GEY0R00	S.M.CARB 0.1W	5%	0Ω	
R1641	ERJ6GEYJ560	S.M.CARB 0.1W	5%	56Ω	
R1643	ERJ6GEYJ102	S.M.CARB 0.1W	5%	1KΩ	
R1644	ERJ6GEYJ560	S.M.CARB 0.1W	5%	56Ω	
R1646	ERJ6GEYJ331	S.M.CARB 0.1W	5%	330Ω	
R1647	ERJ6GEYJ151	S.M.CARB 0.1W	5%	150Ω	
R1648	ERJ6GEYJ560	S.M.CARB 0.1W	5%	56Ω	
R1649	ERJ6GEYJ560	S.M.CARB 0.1W	5%	56Ω	
R1650	ERJ6GEYJ560	S.M.CARB 0.1W	5%	56Ω	
R1652	ERJ6GEYJ102	S.M.CARB 0.1W	5%	1KΩ	
R1653	ERJ6GEYJ560	S.M.CARB 0.1W	5%	56Ω	
R1654	ERJ6GEYJ560	S.M.CARB 0.1W	5%	56Ω	
R1656	ERJ6GEYJ102	S.M.CARB 0.1W	5%	1KΩ	
R1659	ERJ6GEYJ560	S.M.CARB 0.1W	5%	56Ω	
R1662	ERJ6GEYJ560	S.M.CARB 0.1W	5%	56Ω	
R1666	ERJ6GEY0R00	S.M.CARB 0.1W	5%	0Ω	
R1667	ERJ6GEYJ560	S.M.CARB 0.1W	5%	56Ω	
R1668	ERJ6GEYJ560	S.M.CARB 0.1W	5%	56Ω	
R1679	ERJ6GEYJ473	S.M.CARB 0.1W	5%	47KΩ	
R1680	ERJ6GEYJ153	S.M.CARB 0.1W	5%	15KΩ	
R1681	ERJ6GEY0R00	S.M.CARB 0.1W	5%	0Ω	
R1682	ERJ6GEYJ151	S.M.CARB 0.1W	5%	150Ω	
R1683	ERJ6GEYJ151	S.M.CARB 0.1W	5%	150Ω	
R1688	ERJ6GEYJ561	S.M.CARB 0.1W	5%	560Ω	
R1701	ERJ6GEYJ180	S.M.CARB 0.1W	5%	18Ω	
R1703	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R1704	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R1705	ERJ6GEYJ473	S.M.CARB 0.1W	5%	47KΩ	
R1706	ERJ6GEYJ473	S.M.CARB 0.1W	5%	47KΩ	
R1707	ERJ6GEYJ180	S.M.CARB 0.1W	5%	18Ω	
R1710	ERJ6GEYJ180	S.M.CARB 0.1W	5%	18Ω	
R1713	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	
R1716	ERJ6GEY0R00	S.M.CARB 0.1W	5%	0Ω	
R1724	ERJ6GEYJ561	S.M.CARB 0.1W	5%	560Ω	
R1730	ERJ6GEYJ821	S.M.CARB 0.1W	5%	820Ω	
R1777	ERJ6GEYJ561	S.M.CARB 0.1W	5%	560Ω	
R1778	ERJ6GEYJ821	S.M.CARB 0.1W	5%	820Ω	
R2001	ERJ6GEYJ473	S.M.CARB 0.1W	5%	47KΩ	
R2004	ERJ6GEYJ103	S.M.CARB 0.1W	5%	10KΩ	
R2005	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R2006	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R2007	ERJ6GEYJ183	S.M.CARB 0.1W	5%	18KΩ	
R2008	ERJ6GEY0R00	S.M.CARB 0.1W	5%	0Ω	
R2009	ERJ6GEY0R00	S.M.CARB 0.1W	5%	0Ω	
R2010	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R2011	ERJ6GEYJ222	S.M.CARB 0.1W	5%	2K2Ω	
R2012	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R2013	ERJ6GEYJ222	S.M.CARB 0.1W	5%	2K2Ω	
R2014	ERJ6GEYJ471	S.M.CARB 0.1W	5%	470Ω	
R2015	ERJ6GEYJ222	S.M.CARB 0.1W	5%	2K2Ω	
R2016	ERJ6GEYJ471	S.M.CARB 0.1W	5%	470Ω	
R2017	ERJ6GEYJ222	S.M.CARB 0.1W	5%	2K2Ω	
R2018	ERJ6GEYJ471	S.M.CARB 0.1W	5%	470Ω	
R2019	ERJ6GEYJ471	S.M.CARB 0.1W	5%	470Ω	
R2020	ERJ6GEYJ562	S.M.CARB 0.1W	5%	5K6Ω	
R2021	ERJ6GEYJ102	S.M.CARB 0.1W	5%	1KΩ	
R2022	ERJ6GEYJ471	S.M.CARB 0.1W	5%	470Ω	
R2023	ERJ6GEY0R00	S.M.CARB 0.1W	5%	0Ω	
R2025	ERJ6GEYJ123	S.M.CARB 0.1W	5%	12KΩ	
R2026	ERJ6GEYJ562	S.M.CARB 0.1W	5%	5K6Ω	
R2027	ERJ6GEYJ102	S.M.CARB 0.1W	5%	1KΩ	
R2038	ERJ6GEY0R00	S.M.CARB 0.1W	5%	0Ω	
R2039	ERJ6GEYJ471	S.M.CARB 0.1W	5%	470Ω	
R2044	ERJ6GEYJ471	S.M.CARB 0.1W	5%	470Ω	
R2045	ERJ6GEYJ471	S.M.CARB 0.1W	5%	470Ω	
R2351	ERQ14AJW100	METAL 0.25W	5%	10Ω	△
R2352	ERD25TJ101	CARBON 0.25W	5%	100Ω	
R2353	ERD25TJ101	CARBON 0.25W	5%	100Ω	
R2354	ERD25TJ473	CARBON 0.25W	5%	47KΩ	
R2355	ERD25TJ102	CARBON 0.25W	5%	1KΩ	

Ref No.	Part No.	Description			
R2356	ERD25TJ102	CARBON 0.25W	5%	1KΩ	
R2357	ERD25TJ102	CARBON 0.25W	5%	1KΩ	
R2358	ERD25TJ102	CARBON 0.25W	5%	1KΩ	
R2359	ERD25TJ271	CARBON 0.25W	5%	270Ω	
R2360	ERD25TJ183	CARBON 0.25W	5%	18KΩ	
R2361	ERD25TJ100	CARBON 0.25W	5%	10Ω	
R2371	ERQ14AJW100	METAL 0.25W	5%	10Ω	△
R2372	ERD25TJ101	CARBON 0.25W	5%	100Ω	
R2373	ERD25TJ101	CARBON 0.25W	5%	100Ω	
R2374	ERD25TJ473	CARBON 0.25W	5%	47KΩ	
R2375	ERD25TJ102	CARBON 0.25W	5%	1KΩ	
R2376	ERD25TJ102	CARBON 0.25W	5%	1KΩ	
R2377	ERD25TJ102	CARBON 0.25W	5%	1KΩ	
R2378	ERD25TJ102	CARBON 0.25W	5%	1KΩ	
R2379	ERD25TJ271	CARBON 0.25W	5%	270Ω	
R2380	ERD25TJ183	CARBON 0.25W	5%	18KΩ	
R2381	ERD25TJ100	CARBON 0.25W	5%	10Ω	
R3006	ERJ6GEYJ750	S.M.CARB 0.1W	5%	75Ω	
R3101	ERJ6GEYJ102	S.M.CARB 0.1W	5%	1KΩ	
R3102	ERJ6GEYJ102	S.M.CARB 0.1W	5%	1KΩ	
R3107	ERJ6GEYJ104	S.M.CARB 0.1W	5%	100KΩ	
R3108	ERJ6GEYJ104	S.M.CARB 0.1W	5%	100KΩ	
R3109	ERJ6GEYJ681	S.M.CARB 0.1W	5%	680Ω	
R3110	ERJ6GEYJ681	S.M.CARB 0.1W	5%	680Ω	
R3111	ERJ6GEYJ102	S.M.CARB 0.1W	5%	1KΩ	
R3112	ERJ6GEYJ102	S.M.CARB 0.1W	5%	1KΩ	
R3114	ERJ6GEYJ681	S.M.CARB 0.1W	5%	680Ω	
R3115	ERJ6GEYJ104	S.M.CARB 0.1W	5%	100KΩ	
R3117	ERJ6GEYJ104	S.M.CARB 0.1W	5%	100KΩ	
R3118	ERJ6GEYJ681	S.M.CARB 0.1W	5%	680Ω	
R3119	ERJ6GEYJ333	S.M.CARB 0.1W	5%	33KΩ	
R3120	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R3121	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R3122	ERJ6GEYJ333	S.M.CARB 0.1W	5%	33KΩ	
R3123	ERJ6GEYJ153	S.M.CARB 0.1W	5%	15KΩ	
R3124	ERJ6GEYJ750	S.M.CARB 0.1W	5%	75Ω	
R3125	ERJ6GEYJ470	S.M.CARB 0.1W	5%	47Ω	
R3126	ERJ6GEYJ102	S.M.CARB 0.1W	5%	1KΩ	
R3127	ERJ6GEYJ102	S.M.CARB 0.1W	5%	1KΩ	
R3128	ERJ6GEYJ104	S.M.CARB 0.1W	5%	100KΩ	
R3129	ERJ6GEYJ104	S.M.CARB 0.1W	5%	100KΩ	
R3130	ERJ6GEYJ681	S.M.CARB 0.1W	5%	680Ω	
R3131	ERJ6GEYJ681	S.M.CARB 0.1W	5%	680Ω	
R3132	ERD2FCVVG100T	CARBON 2W	2%	10Ω	
R3133	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R3134	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R3135	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R3136	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R3137	ERJ6GEYJ750	S.M.CARB 0.1W	5%	75Ω	
R3138	ERJ6GEYJ470	S.M.CARB 0.1W	5%	47Ω	
R3139	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R3140	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R3141	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R3142	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R3143	ERJ6GEYJ333	S.M.CARB 0.1W	5%	33KΩ	
R3144	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R3145	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R3146	ERJ6GEYJ333	S.M.CARB 0.1W	5%	33KΩ	
R3147	ERJ6GEYJ153	S.M.CARB 0.1W	5%	15KΩ	
R3148	ERJ6GEYJ750	S.M.CARB 0.1W	5%	75Ω	
R3149	ERJ6GEYJ750	S.M.CARB 0.1W	5%	75Ω	
R3150	ERJ6GEYJ470	S.M.CARB 0.1W	5%	47Ω	
R3151	ERJ6GEYJ750	S.M.CARB 0.1W	5%	75Ω	
R3152	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R3153	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R3154	ERD2FCVVG100T	CARBON 2W	2%	10Ω	
R3158	ERJ6GEYJ470	S.M.CARB 0.1W	5%	47Ω	
R3159	ERJ6GEYJ681	S.M.CARB 0.1W	5%	680Ω	
R3160	ERJ6GEYJ563	S.M.CARB 0.1W	5%	56KΩ	
R3161	ERJ6GEYJ121	S.M.CARB 0.1W	5%	120Ω	
R3162	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R3163	ERJ6GEYJ153	S.M.CARB 0.1W	5%	15KΩ	

Ref No.	Part No.	Description
R3165	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R3167	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R3178	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
R3180	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
R3182	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
R3184	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
R3185	ERJ6GEYJ333	S.M.CARB 0.1W 5% 33KΩ
R3186	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3187	ERJ6GEYJ333	S.M.CARB 0.1W 5% 33KΩ
R3188	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3192	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
R3193	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
R3194	ERJ6GEYJ750	S.M.CARB 0.1W 5% 75Ω
R3195	ERJ6GEYJ750	S.M.CARB 0.1W 5% 75Ω
R3196	ERJ6GEYJ470	S.M.CARB 0.1W 5% 47Ω
R3197	ERD2FCVG100T	CARBON 2W 2% 10Ω
R3198	ERJ6GEYJ470	S.M.CARB 0.1W 5% 47Ω
R3199	ERJ6GEYJ470	S.M.CARB 0.1W 5% 47Ω
R3200	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100KΩ
R3201	ERJ6GEYJ332	S.M.CARB 0.1W 5% 3K3Ω
R3202	ERJ6GEYJ332	S.M.CARB 0.1W 5% 3K3Ω
R3205	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100KΩ
R3206	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100KΩ
R3207	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100KΩ
R3208	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3209	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3210	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5Ω
R3211	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5Ω
R3212	ERJ6GEYJ123	S.M.CARB 0.1W 5% 12KΩ
R3213	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3214	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15KΩ
R3215	ERD2FCVG100T	CARBON 2W 2% 10Ω
R3216	ERJ6GEYJ680	S.M.CARB 0.1W 5% 68Ω
R3217	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3218	ERJ6GEYJ750	S.M.CARB 0.1W 5% 75Ω
R3219	ERJ6GEYJ123	S.M.CARB 0.1W 5% 12KΩ
R3220	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3221	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15KΩ
R3222	ERJ6GEYJ680	S.M.CARB 0.1W 5% 68Ω
R3223	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3224	ERJ6GEYJ750	S.M.CARB 0.1W 5% 75Ω
R3225	ERD2FCVG100T	CARBON 2W 2% 10Ω
R3226	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15KΩ
R3227	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
R3228	ERJ6GEYJ680	S.M.CARB 0.1W 5% 68Ω
R3229	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3230	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3231	ERD2FCVG100T	CARBON 2W 2% 10Ω
R3232	ERJ6GEYJ272	S.M.CARB 0.1W 5% 2K7Ω
R3233	ERJ6GEYJ331	S.M.CARB 0.1W 5% 330Ω
R3236	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R3237	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R3238	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15KΩ
R3239	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15KΩ
R3240	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100KΩ
R3351	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R3352	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7Ω
R3353	ERJ6GEYJ474	S.M.CARB 0.1W 5% 470KΩ
R3354	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3355	ERJ6GEYJ391	S.M.CARB 0.1W 5% 390Ω
R3501	ERJ6GEYJ100	S.M.CARB 0.1W 5% 10Ω
R3502	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
R3503	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470Ω
R3505	ERJ6GEYJ100	S.M.CARB 0.1W 5% 10Ω
R3506	ERJ6GEYJ100	S.M.CARB 0.1W 5% 10Ω

Ref No.	Part No.	Description
R3507	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7Ω
R3508	ERJ6GEYJ151	S.M.CARB 0.1W 5% 150Ω
R3509	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3513	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470Ω
R3514	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470Ω
R3515	ERJ6GEYJ471	S.M.CARB 0.1W 5% 470Ω
R3516	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7Ω
R3517	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R3518	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
R3520	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R3521	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
R3522	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
R3523	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
R3526	ERD25TC0T	CARBON 0.25W 5% 0Ω
R3531	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R3532	ERJ6GEYJ391	S.M.CARB 0.1W 5% 390Ω
R3534	ERD25TJ181	CARBON 0.25W 5% 180Ω
R3536	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
R3539	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
R3540	ERJ6GEYJ392	S.M.CARB 0.1W 5% 3K9Ω
R3541	ERJ6GEYJ392	S.M.CARB 0.1W 5% 3K9Ω
R3542	ERJ6GEYJ392	S.M.CARB 0.1W 5% 3K9Ω
R3802	ERG3FJ100	METAL 3W 5% 10Ω ▲
R3803	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R3804	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω

SWITCHES

S801	ESB91232A	SWITCH ▲
S1051	EVQ23405R	SWITCH
S1052	EVQ23405R	SWITCH
S1053	EVQ23405R	SWITCH
S1054	EVQ23405R	SWITCH
S1055	EVQ23405R	SWITCH

TRANSFORMERS

T501	TLHA003	TRANSFORMER
T551	ZTFH65011A	F.B.T. ▲
T801	ETP35KAN615U	TRANSFORMER ▲
T802	ETS49AH137ND	TRANSFORMER
T803	ETQ19K55AY	TRANSFORMER

FILTERS

X101	EFCT6504BF	FILTER
X102	EFCT5M7MW3	FILTER
X103	EFCT6R0MW5	FILTER
X104	K3953-M100	SAW FILTER
X105	L9454M	SAW FILTER
X106	EFCV3195T6	CERAMIC FILTER
X107	EFCT7004BF	CERAMIC FILTER
X109	EFCV4045T4	CERAMIC FILTER
X601	TSSA024	CRYSTAL
X602	TSSA025	CRYSTAL
X1101	TAF10020	CRYSTAL
X1551	TSSA009	CRYSTAL
X2001	4730007158	CRYSTAL
X3501	TSSA009	CRYSTAL

DIFFERENCES FOR MODEL TX – W32D3F/P


Ref No.	Part No.	Description
MISCELLANEOUS COMPONENTS		
4)	TQF8E2516	MODEL LABEL
5)	TNPA0292AA	Y P.C.B. ▲
6)	TLK8E05123	DEGAUSS COIL ▲
8)	W76LFC185X05	CRT
9)	TKY8E110	CABINET ▲
12)	TKU8E00290	BACK COVER ▲
13)	TNPA0295AW	D P.C.B. ▲
17)	TNPH0063BC	E P.C.B. ▲
20)	TNPA0291AB	M P.C.B. ▲
24)	TKP8E1148	SPEAKER NET
	TKP8E1160	FRONT PANEL RIGHT
	TLK8E05124	GEOMAGNETIC CORRECTION COIL
	TPC8E4651	OUTER CARTON
	TPD8E621	CUSHION TOP
	TPD8E622	CUSHION BOTTOM
CAPACITORS		
C574	TAC1114Z564A	CERAMIC 100V 0.56µF
C581	ECQF4153JZH	FILM 400V 15nF
C1901	ECQM1H474J	FILM 50V 470nF
C1902	ECQM1H474J	FILM 50V 470nF
C1903	ECA1EM470GB	ELECT 25V 47µF
C1904	ECKC1H103JB	CERAMIC 50V 10nF
DIODES		
D848	EU02	DIODE
D852	MTZJT-779.1C	DIODE
INTEGRATED CIRCUITS		
IC1104	X24C0301TK	EAROM
IC1105	27C2001C16AA	EPROM
IC1901	LA6515	EARTH CORRECTION
COILS		
L573	ELHKLBO28B	COIL
L1901	EXCELDR25V	COIL
RESISTOR		
R370	ERQ1CJP1R0	FUSIBLE 1W 5% 1R0Ω ▲
R555	ERO25CKF2802	METAL 25W 1% 28KΩ ▲
R557	ERO25CKF6492	METAL 25W 1% 65KΩ ▲
R558	ERO50PKF4532	METAL 50W 1% 45KΩ ▲
R574	ERG3FJ151	METAL 3W 5% 150Ω ▲
R591	ERF2AKR15	WIRE 2W 10% R15Ω
R847	ERQ1CKPR68	FUSIBLE 1W 5% R68Ω ▲
R909	ERJ6GEYJ222	S.M.CARB 0.1W 5% 2K2Ω
R910	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1901	ERD25TJ110	CARBON 0.25W 5% 11Ω
R1902	ERD25TJ110	CARBON 0.25W 5% 11Ω
R1903	ERD25TJ154	CARBON 0.25W 5% 150KΩ
R1904	ERD25TJ154	CARBON 0.25W 5% 150KΩ
R1905	ERD25TJ154	CARBON 0.25W 5% 150KΩ
R1906	ERD25TJ753	CARBON 0.25W 5% 75KΩ
R1908	ERD25TJ682	CARBON 0.25W 5% 6K8Ω
R1909	ERD25TJ362	CARBON 0.25W 5% 3K6Ω
R1911	T3A205016	WIRE LINK

DIFFERENCES FOR MODEL TX – W28D3F/P

Ref No.	Part No.	Description
MISCELLANEOUS COMPONENTS		
4)	TQF8E2515	MODEL LABEL
5)	TNPA0292AD	Y P.C.B. ▲
6)	TXFLK01DAG	DEGAUSS COIL ▲
8)	W66EHK51X71	CRT
9)	TKY8E120	CABINET ▲
12)	TKU8E00300	BACK COVER ▲
13)	TNPA0295AX	D P.C.B. ▲
17)	TNPH0063BD	E P.C.B. ▲
20)	TNPA0348AE	M P.C.B. ▲
24)	TKP8E1152	SPEAKER NET
	TKP8E1250	FRONT PANEL RIGHT
	TPC8E4652	OUTER CARTON
	TPD8E623	CUSHION TOP
	TPD8E624	CUSHION BOTTOM
CAPACITORS		
C028	ECUV1H103K BX	S.M.CAP 50V 10nF
C574	TAC1114Z824A	CERAMIC 100V 0.82µF
C581	ECQF4123JZH	FILM 400V 12nF
C664	ECUV1H103ZFX	S.M.CAP 50V 10nF
C665	ECUV1H103K BX	S.M.CAP 50V 10nF
C705	ECUV1H101JCX	S.M.CAP 50V 100pF
C848	ECKC2H471J	CERAMIC 500V 470pF ▲
C3813	ECUV1H471JCX	S.M.CAP 50V 470pF
DIODES		
D373	MTZJT-7715A	DIODE
D848	ERB32-02E	DIODE RU30LFS1
D852	MTZJT776.2B	DIODE
INTEGRATED CIRCUITS		
IC1104	X24C0301TI	EAROM
IC1105	27C2001C17AA	EPROM
COILS		
L573	ELHKLBO26B	COIL
RESISTOR		
R370	ERQ1CKPR82	METAL 1W 5% R82Ω ▲
R555	ERD25TJ223	CARBON 0.25W 5% 22KΩ
R557	ERO25CKF7152	METAL 25W 1% 72KΩ ▲
R558	ERO50PKF5762	METAL 50W 1% 58KΩ ▲
R574	ERG3FJ121	METAL 3W 5% 120Ω ▲
R591	ERF5AKR22	WIRE 5W 10% R22Ω
R847	ERQ1CKPR33	METAL 0.5W 10% R33Ω ▲
R909	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R910	ERJ6GEYJ151	S.M.CARB 0.1W 5% 150Ω

**SCHEMATIC DIAGRAM FOR MODELS
TX-W32D3F/P
TX-W28D3F/P
(Euro-3HW 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.

Notes

1. RESISTOR

All resistors are carbon 1/4W resistor, unless marked as follows:
Unit of resistance is OHM (Ω) (K=1,000, M=1,000,000).

2. CAPACITORS

All capacitors are ceramic 50V, unless marked as follows:
Unit of capacitance is μ F, unless otherwise stated.

3. COIL

Unit of inductance is μ H, unless otherwise stated.

4. Components marked 'L' on the schematic diagram shows leadless parts.

5. TEST POINT



6. EARTH SYMBOL



Chassis Earth Cold



Line Earth Hot

7. VOLTAGE MEASUREMENT

Voltage is measured by a DC voltmeter.

Measurement conditions are as follows:

Power source AC 220V-240V, 50Hz

Receiving Signal Colour Bar signal (RF)

All customer controls Maximum position

8.



Indicates the video signal path

Indicates the Audio signal path

Indicates the Vertical/Horizontal path

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

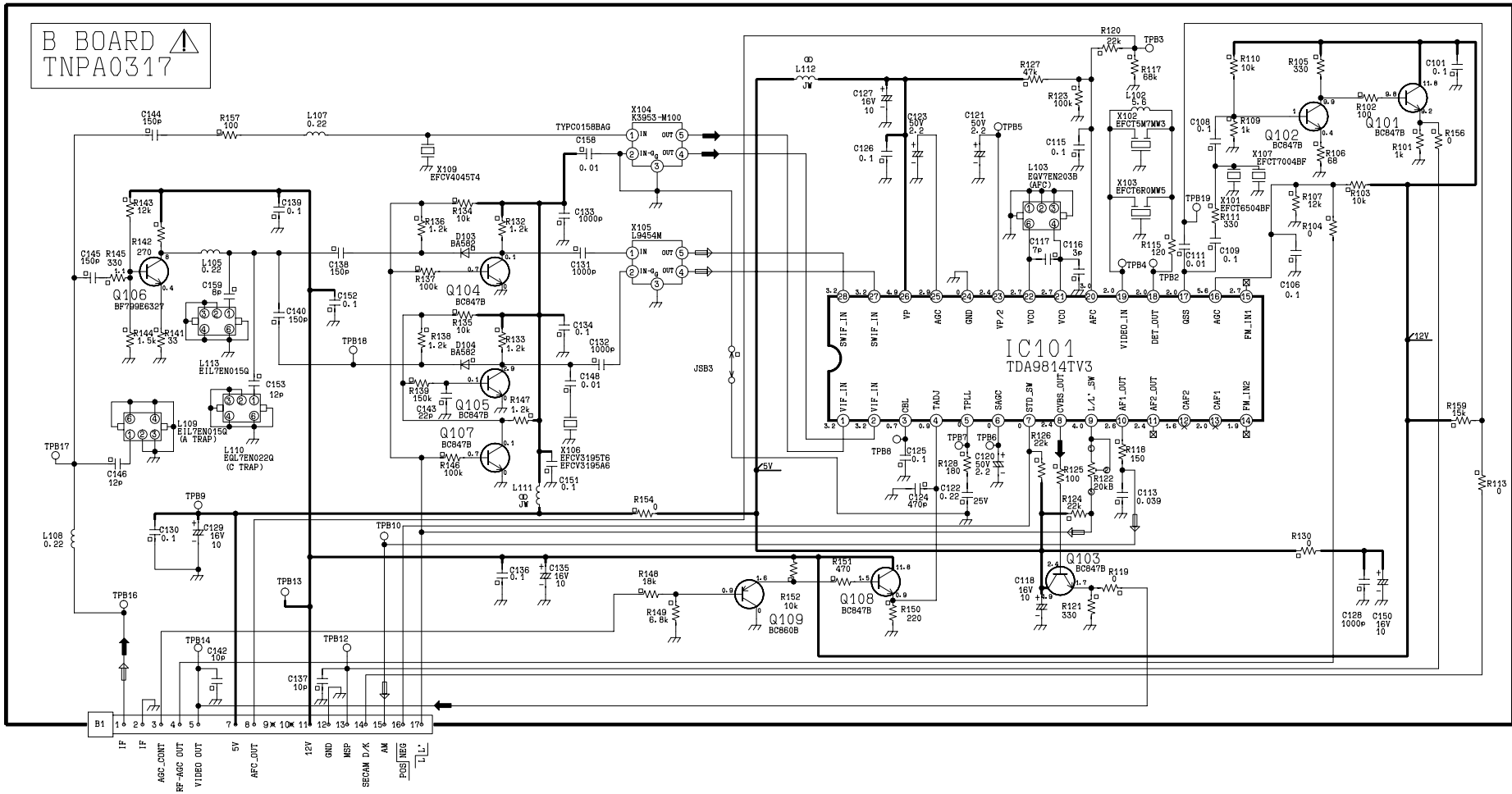
Remarks

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

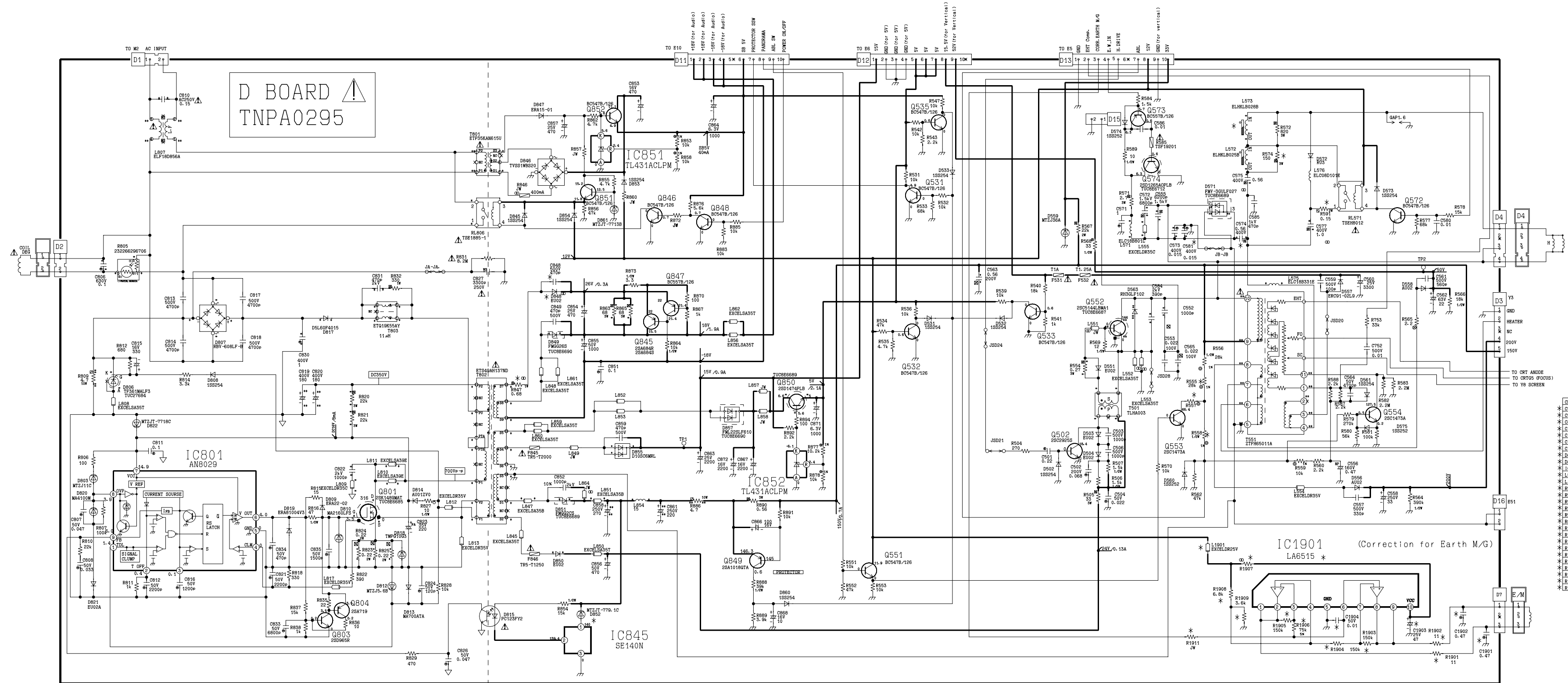
Precautions

- 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.

B BOARD
TNPA0317



D BOARD ⚠
TNPA0295

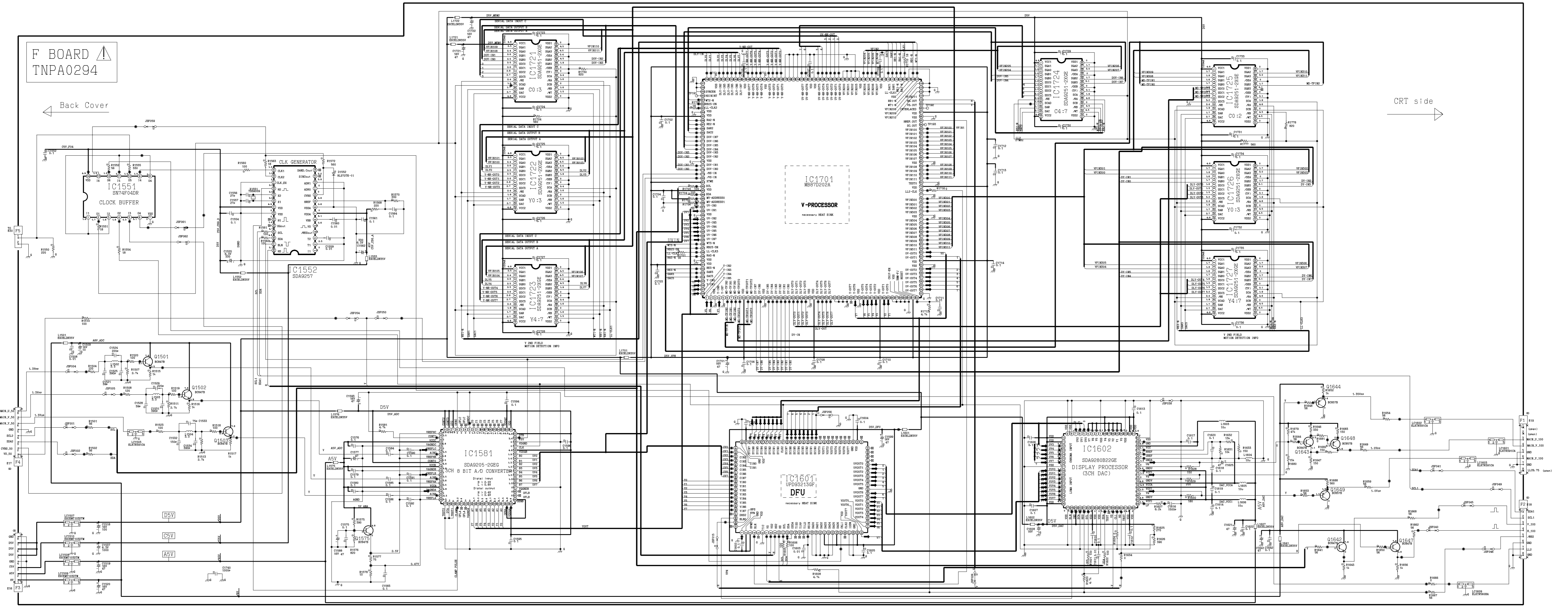


CRNO	TX - W3D3F/P	TX - W2D3F/P
* C574	IAC1142564A	IAC1142824A
* C581	ECQF4153J2H	ECQF4123J2H
* C846	NIL	ECR2R2471KB5
* C1901	ECGV1M74JL3	NIL
* C1902	ECGV1M74JL3	NIL
* C1903	EC1B1M70B	NIL
* C1904	ECR1H03Z5	NIL
* D848	EU02V0	ER832-02E
* D852	MTZJT-779-1C	MTZJT-776-2B
* IC1901	LA6515	NIL
* L573	ELHKL8028B	ELHKL8028B
* L1901	EXCELDR25V	NIL
* R555	ER05TKF2802	ER05TKF223T
* R557	ER05TKF8492	ER05TKF7152
* R558	ER05PKF4532	ER05PKF5762
* R574	ER03FJ151H	ER03FJ121H
* R591	ERF5AKR15P	ERF5AKR22H
* R847	ER01CKP8685	ER01CKP8335
* R1901	ER05TJ110T	NIL
* R1902	ER05TJ110T	NIL
* R1903	ER05TJ154T	NIL
* R1904	ER05TJ154T	NIL
* R1905	ER05TJ154T	NIL
* R1906	ER05TJ154T	NIL
* R1907	T3A205016	NIL
* R1908	ER05TJ682T	NIL
* R1909	ER05TJ562T	NIL
* R1911	T3A205016	NIL

F BOARD
TNPA0294

Back Cover

CRT side

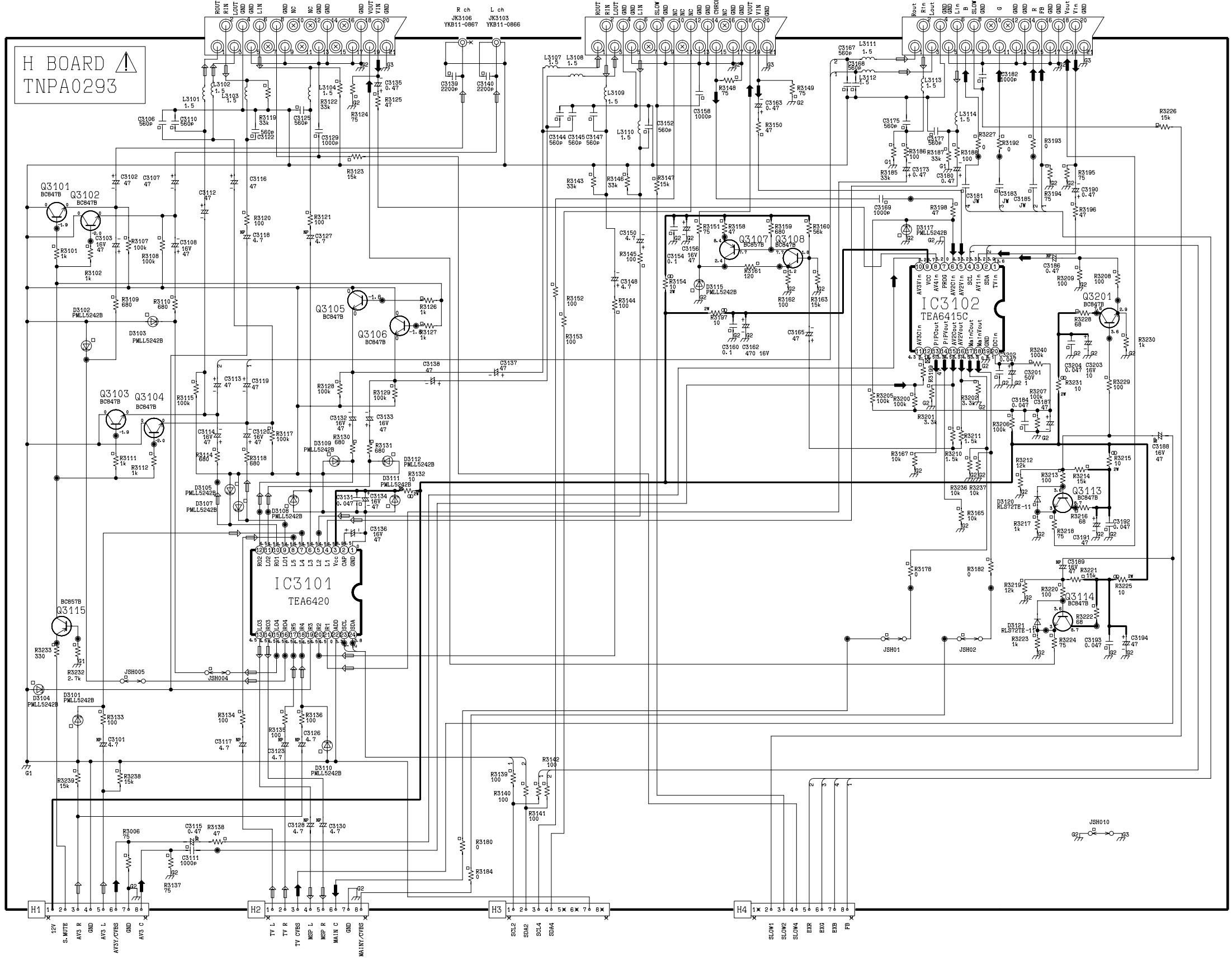


H BOARD
TNP A0293

AV4
JK3104

AV2
JK3102

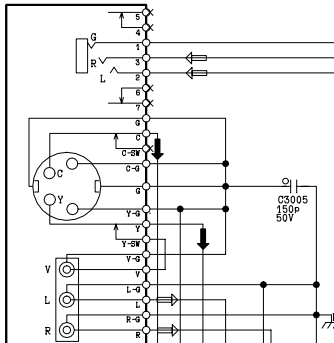
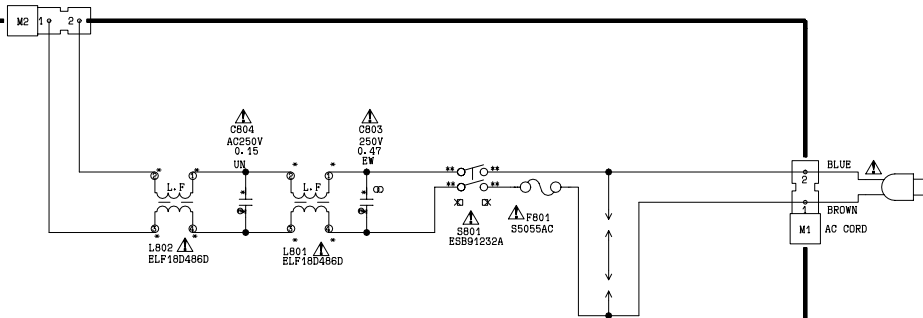
AV1
JK3101



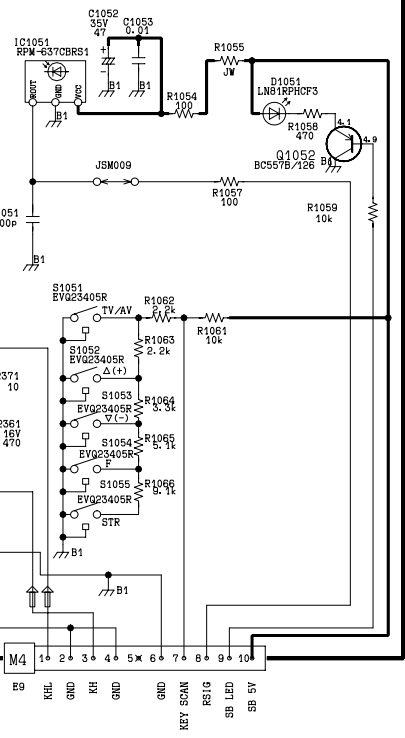
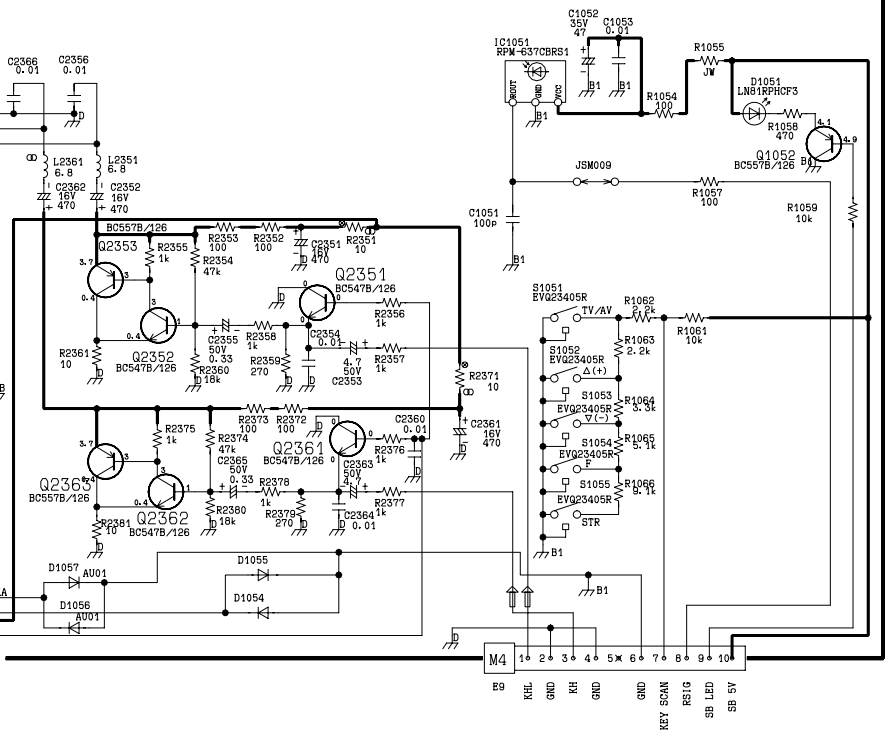
M BOARD
TNPA0348

COLD

HOT



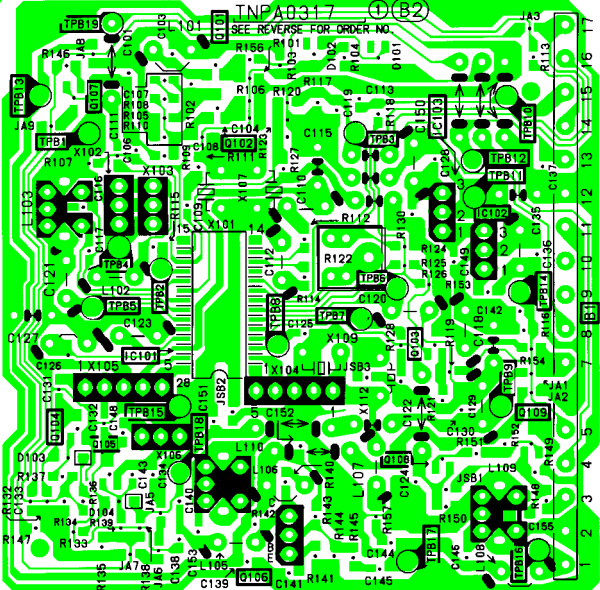
JK3001
TJB16656

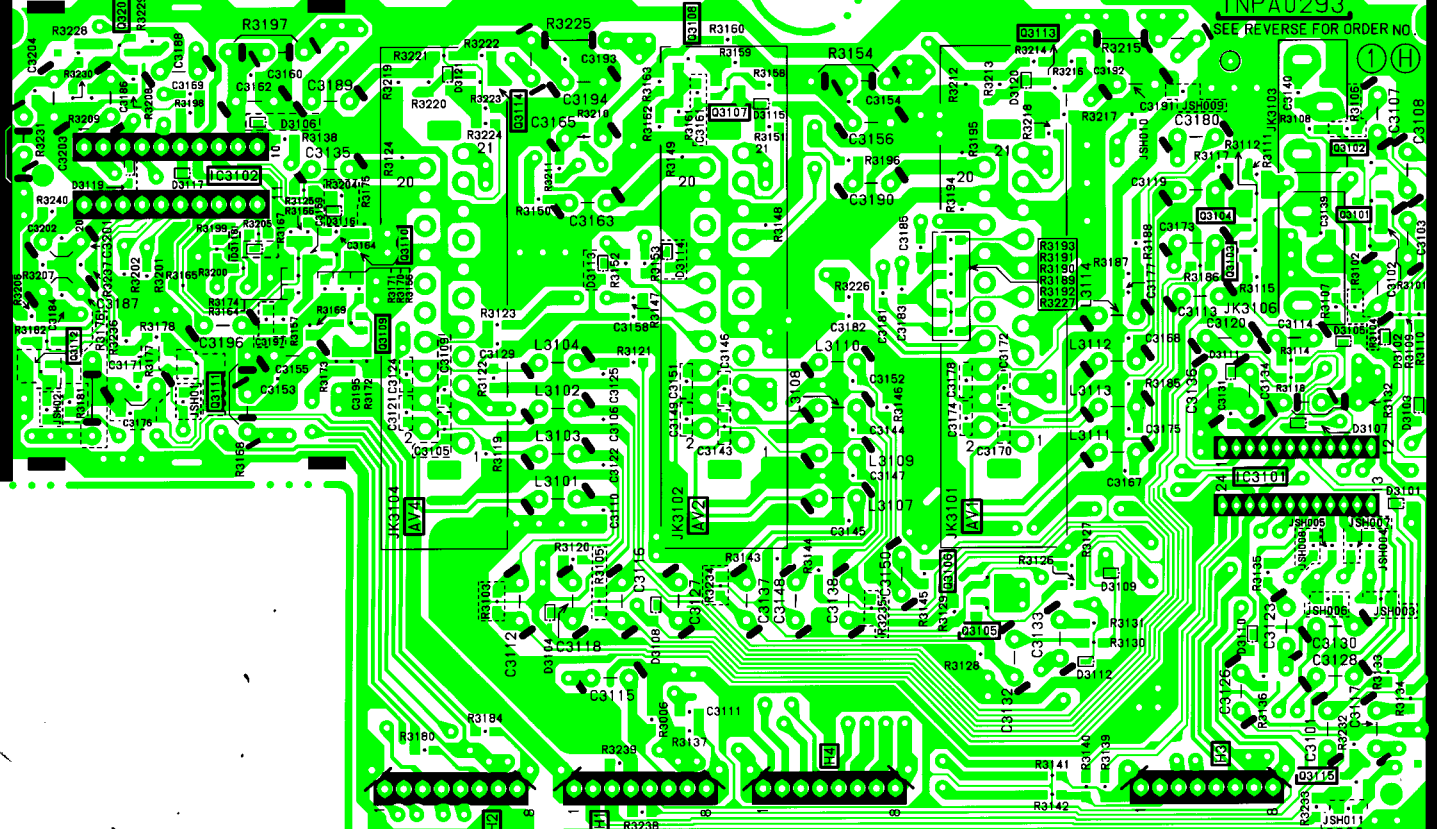


TNP A0317

(B2)

SEE REVERSE FOR ORDER NO.





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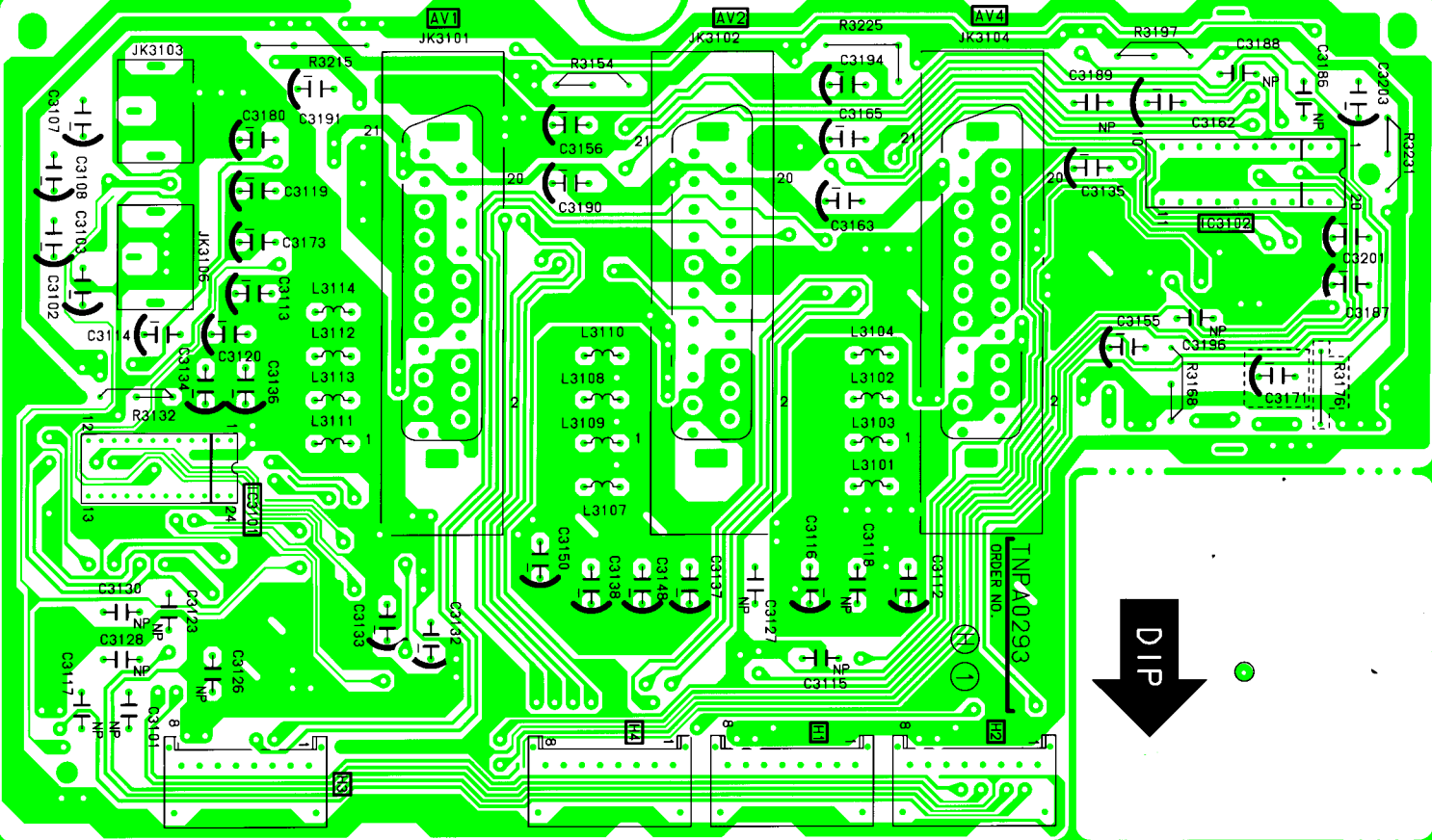
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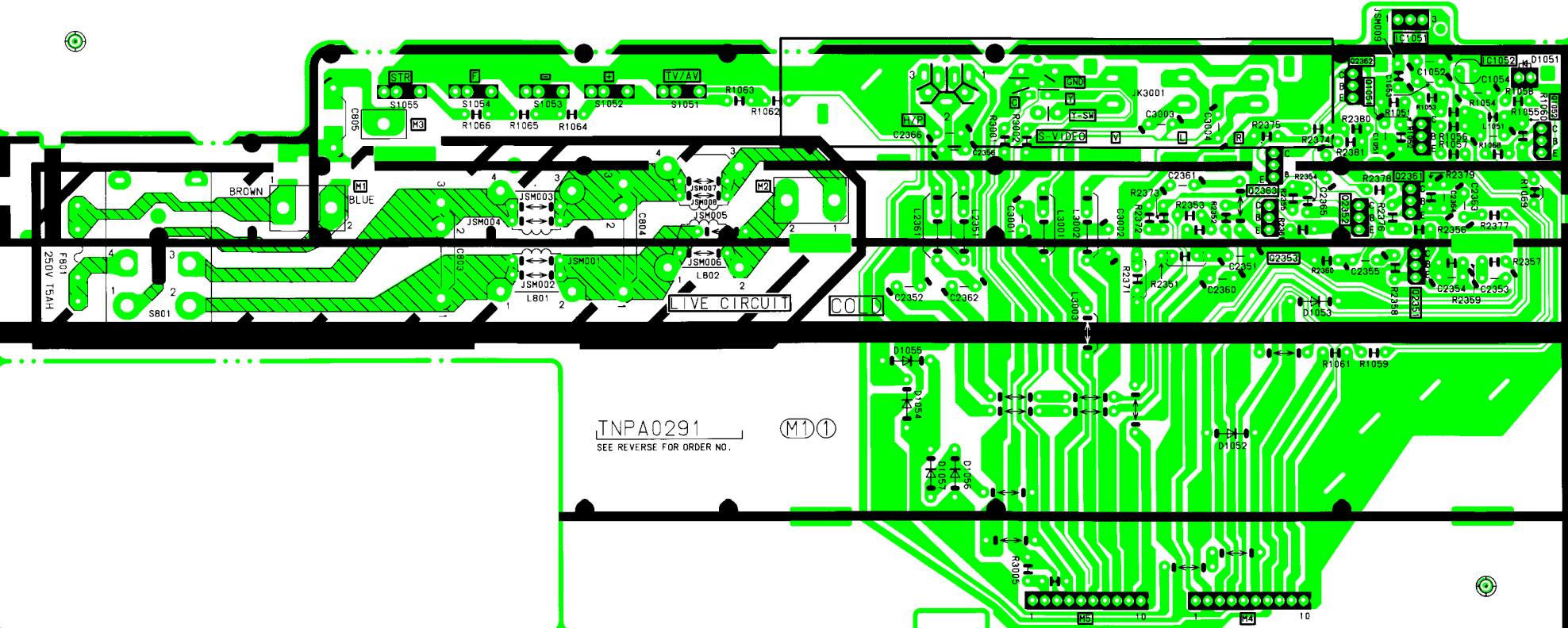
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TNPA0292

SEE REVERSE FOR ORDER NO.

(2) (Y)

H.V. DANGER

JK381

