

Service Manual

Colour Television EURO 2 Chassis

TX-25A1DP TX-29AD1DP

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Block Diagram(Audio)

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Service Manual

Colour Television

TX-29AD1DP TX-25AD1DP EURO-2 Chassis

Specifications

(Information in brackets refer to TX-25AD1DP)

Power Source :	220-240V AC 50Hz	
Power Consumption :	115W (105W)	
Aerial Impedance :	75W unbalanced, Coaxial Type	
Receiving System :	PAL- I, PAL 60	
Receiving Channels :	UHF E21 - E69	
Intermediate Frequency :	Video	39.5 MHz
	Sound	33.5 MHz
	Colour	35.07 MHz (PAL)
Video / Audio Terminals :		
AUDIO MONITOR OUT	Audio (RCA x 2)	500mV rms, 1kW
AV1 IN	Video (21 pin)	1 Vp-p 75W
	Audio (21 pin)	500mV rms, 10kW
	RGB (21 pin)	
AV1 OUT	Video (21 pin)	1 Vp-p 75W
	Audio (21 pin)	500mV rms, 1kW
AV2 IN	Video (21 pin)	1 Vp-p 75W
	Audio (21 pin)	500mV rms, 10 kW
	S-Video IN	Y : 1 Vp-p 75W
	(21 pin)	C : 0.3 Vp-p 75W
AV2 OUT	Video (21 pin)	1 Vp-p 75W
	Audio (21 pin)	500mV rms, 1kW
	Selectable output (21 pin)	
AV3 IN	S-Video IN	Y : 1 Vp-p 75W
	(4-pin)	C : 0.3 Vp-p 75W
	Audio (RCA x 2)	500mV rms, 10kW
	Video (RCA x 1)	1 Vp-p 75W

High Voltage : 31kV _1kV at zero beam current

Picture Tube : 68cmV (59 cmV) Super Flat FST
110° measured diagonally.

Audio Output :
Internal Speaker 2 x 20 W (Music Power)
8W Impedance
External Speaker 2 x 10W(Front) (Music Power)
2 x 15W(Rear) (Music Power)
2 x 15W(Centre) (Music Power)
8 W Impedance

Headphones 1 x 8 W Impedance

Accessories supplied : Remote Control
UM3 Battery
TV Stand

Dimensions : Height : 551mm (504mm)
Width : 668mm (606mm)
Depth : 467mm (448mm)

Net Weight 41kg (30kg)

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

NOTE : This service manual should be used in conjunction
with the EURO 2 technical guide.

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

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Safety Precautions

General Guide Lines

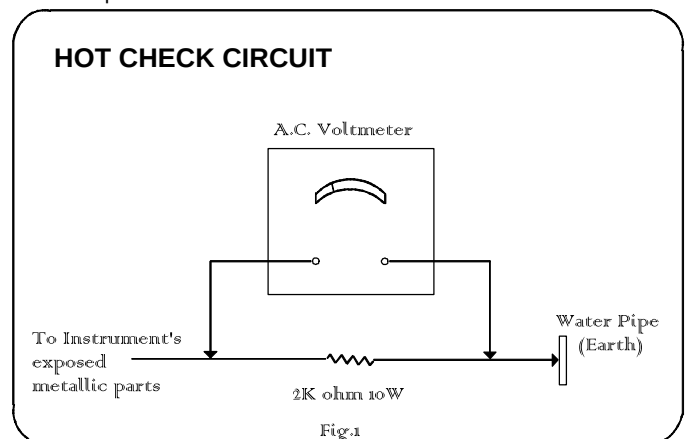
1. It is advisable to insert an isolation transformer in the AC supply before servicing a hot chassis.
2. When servicing, observe the original lead dress in the high voltage circuits. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
3. After servicing, 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 32 kV 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.
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.

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 2k ohm 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.



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 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 $\pm$ 1kV at zero beam current 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 an X-Radiation possibility, it is essential to use the specified tube.

Location Of Controls

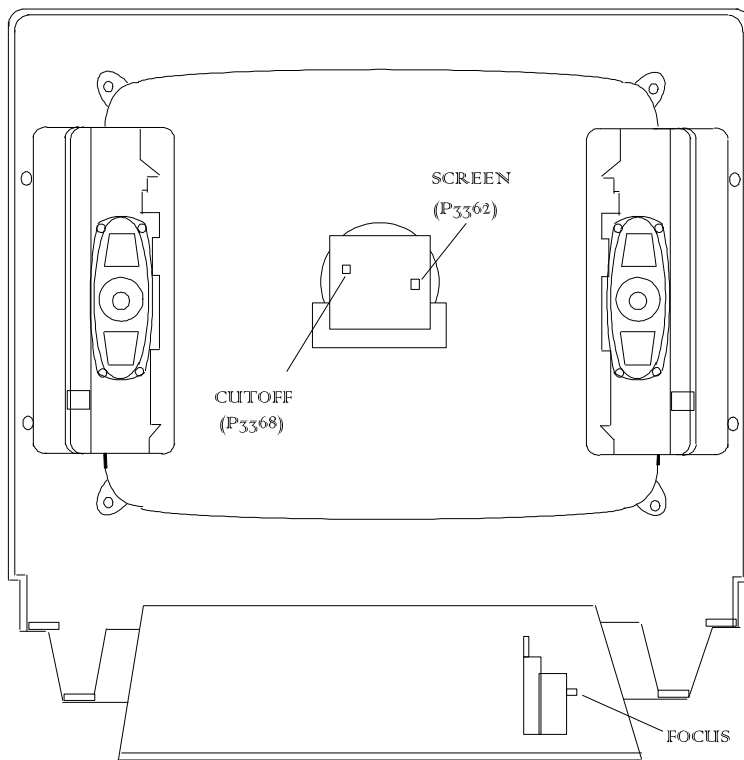
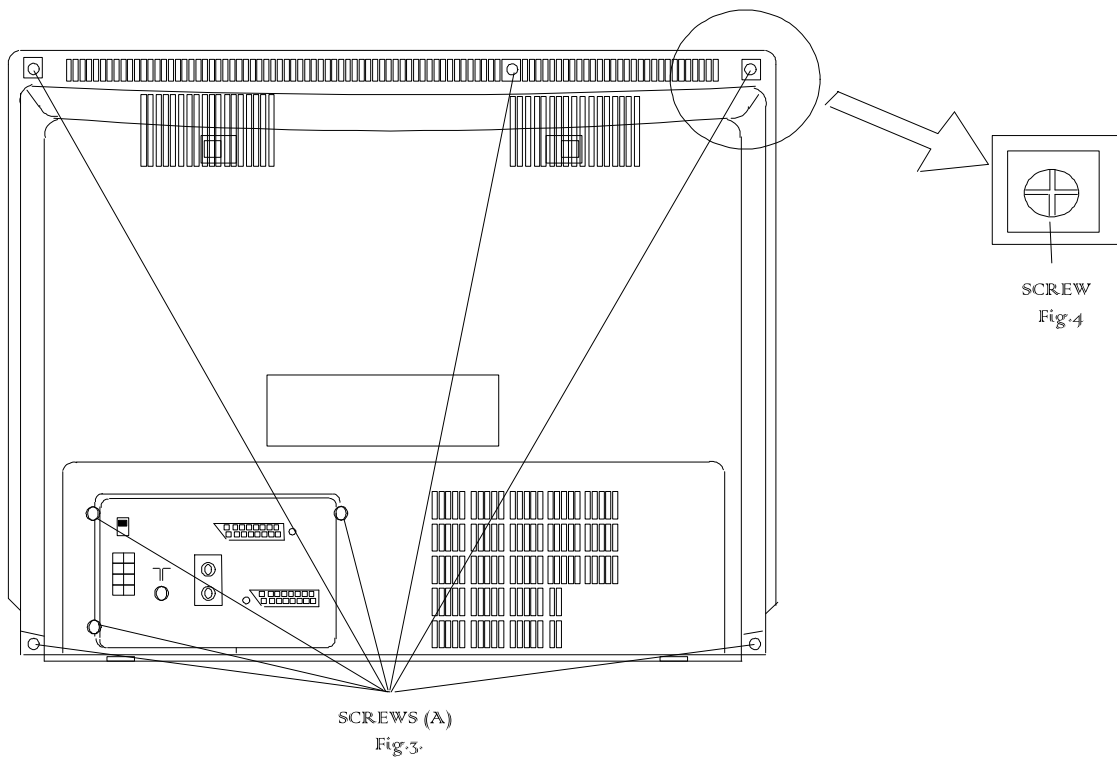


Fig.2

Service Hints

How to remove the rear cover

1. Remove the 8 fixing screws (A) as shown in Fig.3/Fig.4.



How to Remove the Control Panel (M-board)

1. Remove the E-board from the cabinet with the M-board attached.
2. Unclip by lifting the front of the M-board vertically.
3. After servicing ensure all wiring is returned to its original position before returning the receiver to the customer.

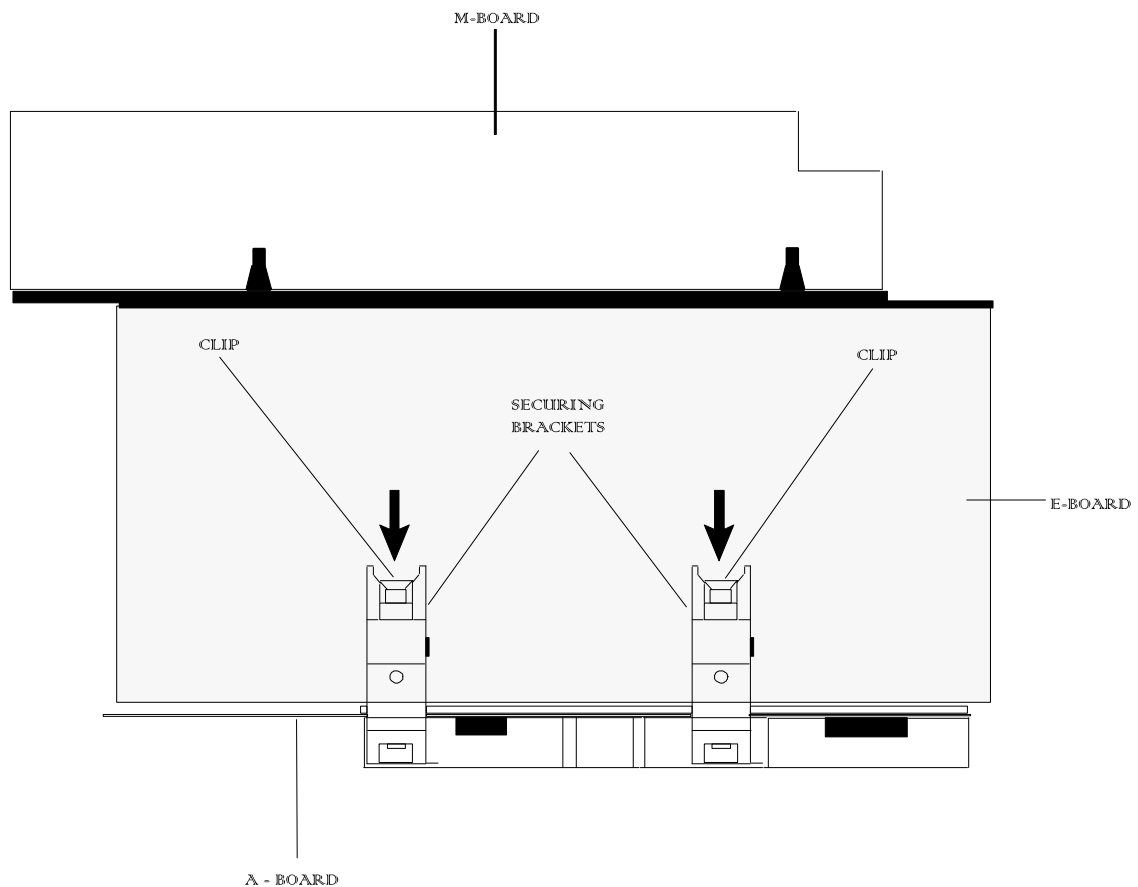


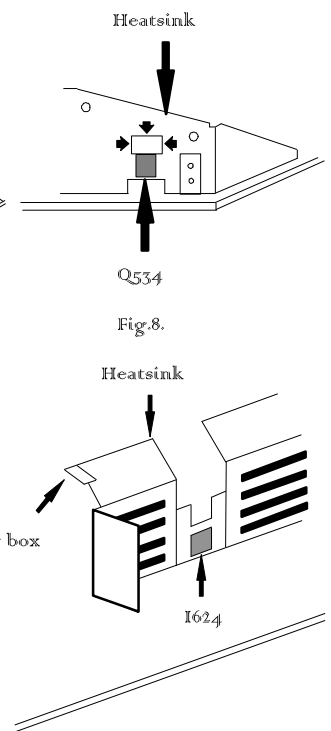
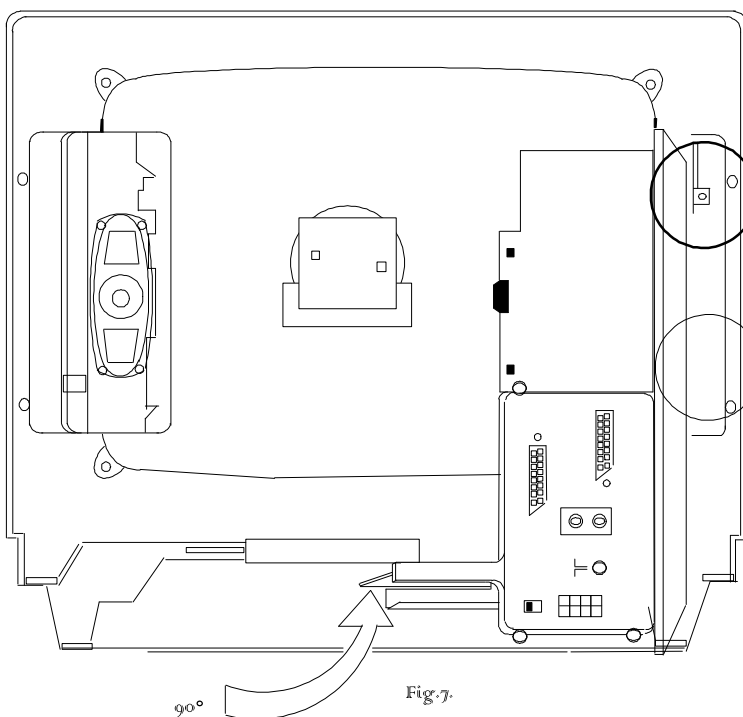
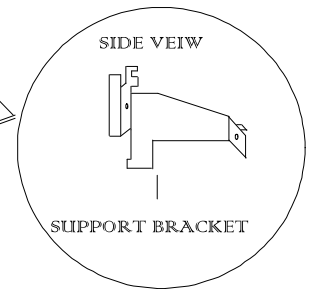
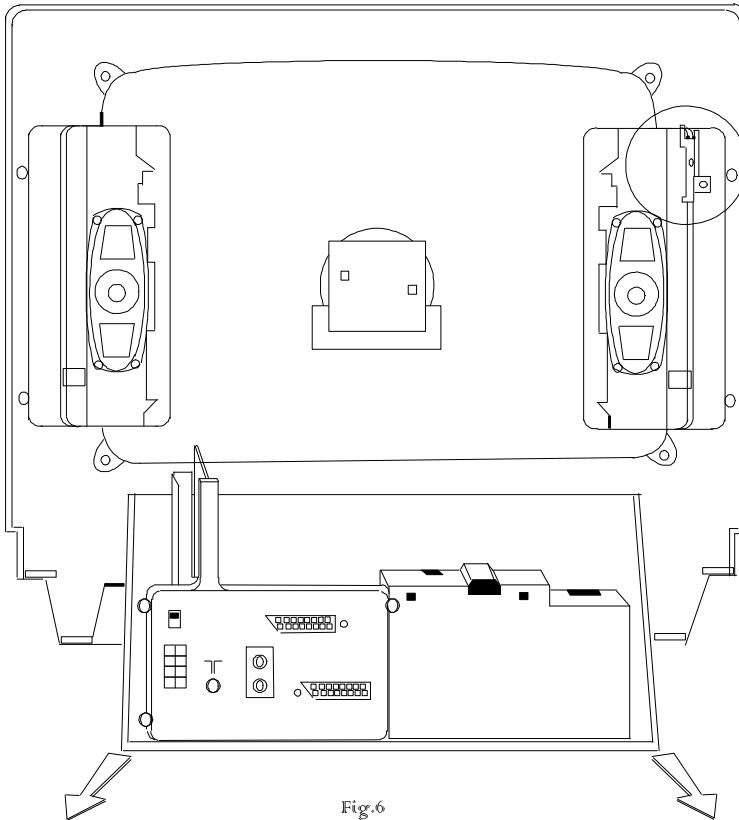
Fig.5

How to Remove the A - Board

1. Disconnect the four leads from the A - board.
2. Release the A board securing brackets by pushing the clips in the direction shown in Fig.5, and remove the A - board by gently lifting vertically.
3. After servicing ensure all wiring is returned to its original position before returning the receiver to the customer.

How to move the chassis into the Service position

1. Hold and lift the rear of the E- PCB chassis as shown in fig.6. and gently pull the chassis toward you.
2. Release the respective wiring clips and turn the chassis through 90°, anti-clockwise, as shown in fig.7.
3. Clip the chassis onto the support bracket as shown in fig.7 and fig.8.
4. After servicing ensure all wiring is returned to its original position before returning the receiver to the customer.



Service position for the A-Board

1. Remove the A-board from the main chassis (E-board), see fig. 5, ensuring all leads are disconnected.
2. Remove the two screws (A) (fig.9) from the plastic AV cover and unclip the AV cover from the A-board.
3. Unclip the front metal cover (Fig10) and remove from the A-board.
4. For ease of servicing remove the rear metal cover by desoldering (Fig.11)
5. Fit the extension leads to the A-board making sure that the A-board does not touch the E-board (fig.12).
6. After servicing ensure all wiring is returned to its original position before returning the receiver to the customer.
Note : The extension lead wire kit is supplied as a service kit. (Part number TZS2EP001).

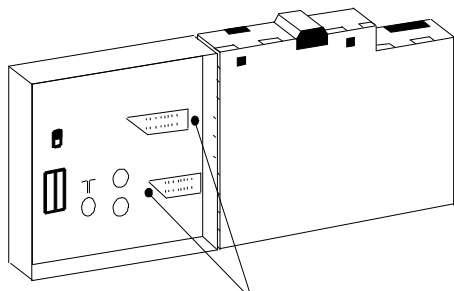


Fig. 9.

SCREWS A

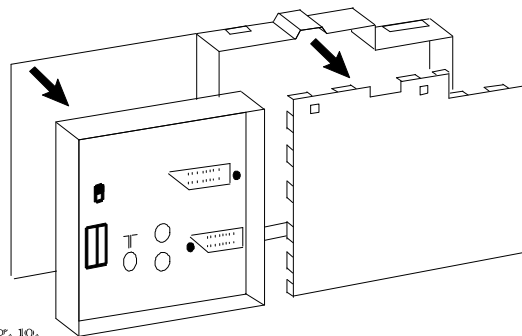


Fig. 10.

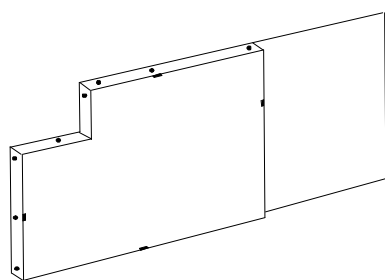


Fig. 11.

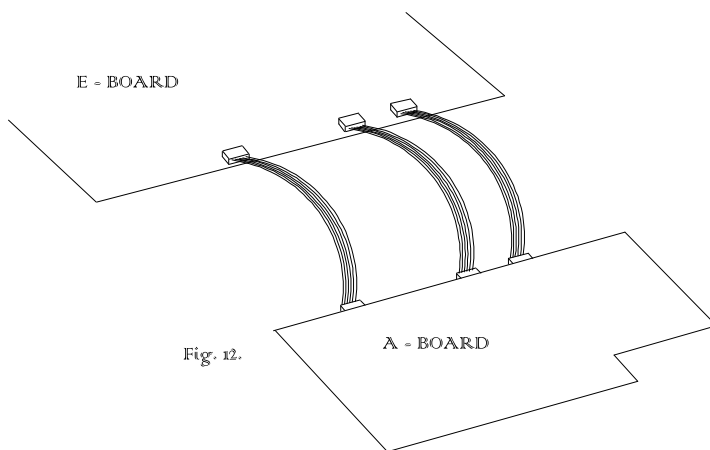


Fig. 12.

Service Position for the K-Board

SIDE VIEW

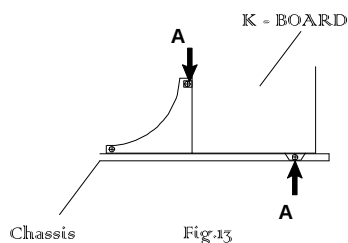


Fig.13

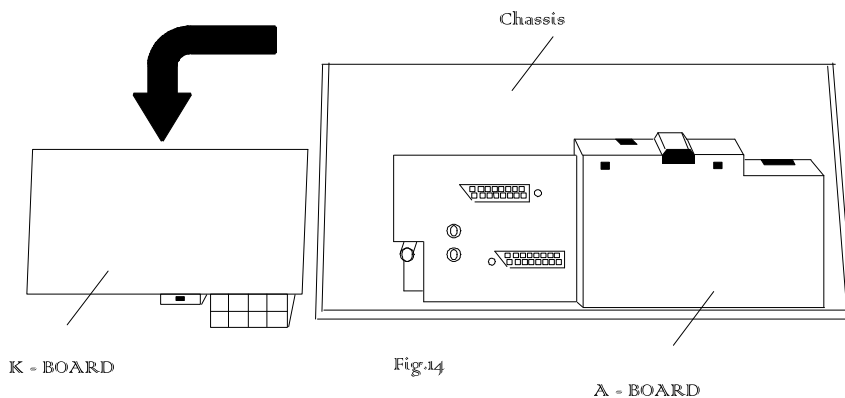


Fig.14

1. Remove the two screws (A) indicated in fig.13 to release K-Board
2. Slide the K-Board out of the chassis holding position and gently release making sure that the K-board does not touch the E-board.

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 F button followed by the volume down button on the customer controls at the front of the TV and at the same time press the Reveal button on the remote control, this will place the TV into the Service Mode.
2. Press the RED / GREEN buttons to step down / up 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 and analogue levels into the Memory Pack and then upload them onto another EURO-2 TV set.

Using the Memory Pack

TV to Memory Pack process

1. Plug the memory pack into the lower of the two 21 pin terminals at the back of the TV and switch the TV on. If the TV has only one 21 pin connector then this will be able to accept the memory pack.
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 lower of the two 21 pin terminals at the back of the TV and switch the TV on. If the TV has only one 21 pin connector then this will be able to accept the memory pack.
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 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 switch off the TV 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.

SELF CHECK

Self check is used to automatically check the Bus lines and Hexadecimal code of the TV set.

To enter the Self Check mode press Function down button, on the Preset Panel, at the same time pressing the Status button, on the Remote Control, and the screen will show:-

1	—	ok	Tuner	11	—	ok	Dolby IC for C/R	21	—	ok	P SBLED
2	—	ok	VIF	12	—	ok	P S MODE	22	—	ok	P OFF
3	—	ok	EEPROM	13	—	ok	P TA0	23	—	ok	P DEFL
4	—	ok	Sound AV switch	14	—	ok	P TA1	24	—	ok	P RAM
5	—	ok	Video AV switch	15	—	ok	P TA2				
6	—	ok	VDP	16	—	ok	P TA3				
7	—	ok	TPI	17	—	ok	P SDA				
8	—	ok	MSP	18	—	ok	P SCL1				
9	—	ok	Dolby Sub	19	—	ok	P SCL3				
10	—	ok	Dolby IC for L/R	20	—	ok	P SCL4				

TX-29AD1DP	TX-25AD1DP
04	04
CD	CD
84	84
94	94
2C	00

Hex codes

If the CCU ports have been checked and found to be incorrect then "-" will appear in place of "OK".

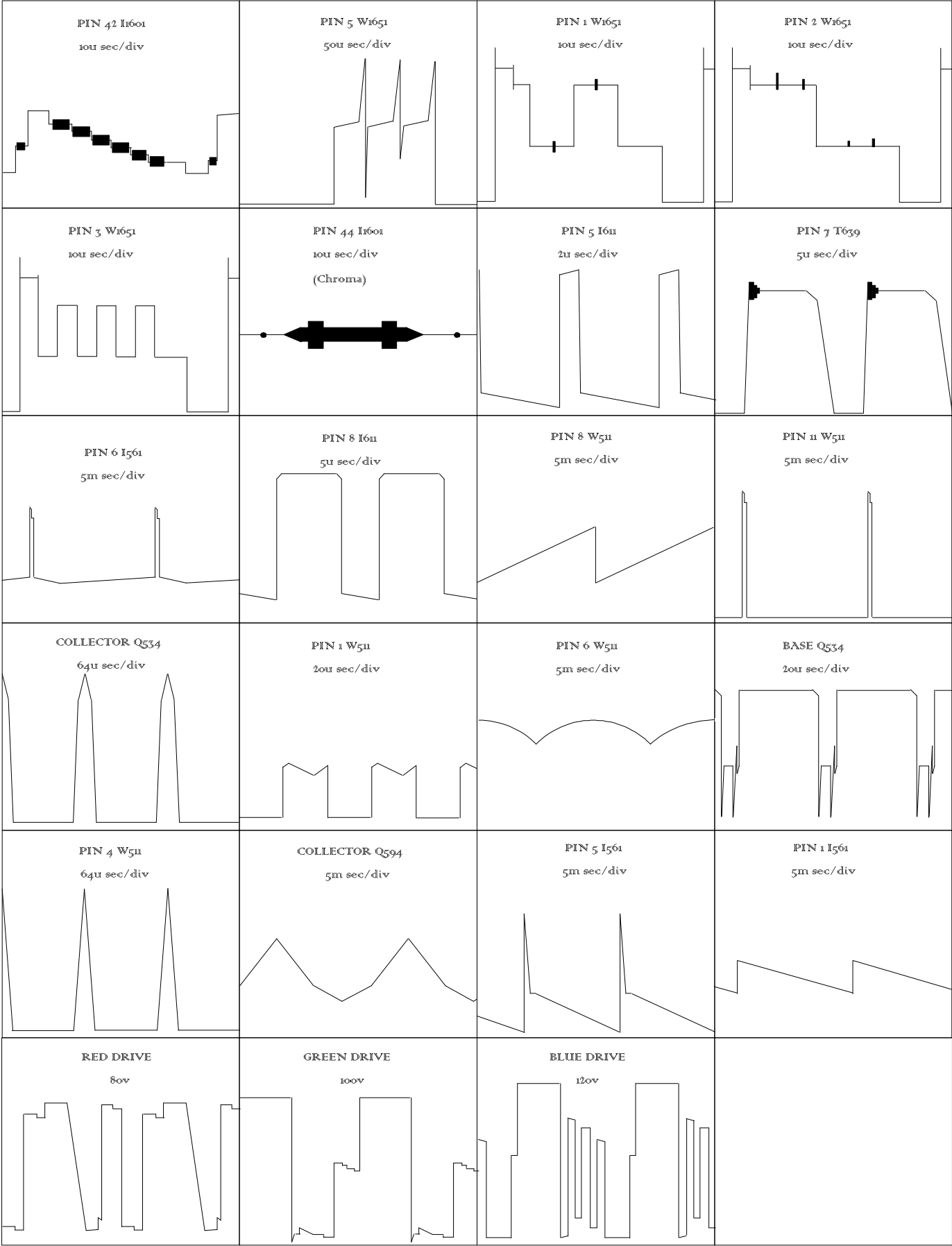
Adjustment Procedure

Item/Preparation	Adjustments
+B SET-UP 1. Operate the TV set 2. Set the controls: Brightness minimum Contrast minimum	1. Set the +B voltage up as follows: Adjust P633 so that U147 shows 147V +/- 0.5V 2. Confirm the following voltages. U5 5 +/- 0.25V U28 28 +/- 1.0V U8 8 +/- 0.5V U40 38.5 +/- 1.0V U12 12 +/- 0.5V U210 209 +/- 10V U16 16.0 +/- 0.5/-1V U5SB 5.0 +/- 0.25V U25 24.8 +/- 1.0V UM 8 +/- 0.5 KU5 5 +/- 0.25 KU8 8 +/- 0.3 KU12 12 +/- 0.5V KU-12 -12 +/- 0.5V KU28 29.5 +/- 2V
RF AGC 1. Receive a test pattern. 2. Connect an oscilloscope between the tuner RF AGC and ground. 3. Set the oscilloscope gain range to 1V/div.	1. Check that the noise becomes large when the RF AGC VR P4701 is turned counterclockwise. After the check turn it clockwise. 2. Gradually turn the RF AGC VR anti-clockwise, and set the RF AGC VR to the point where the RF AGC voltage is just falling to a point where this voltage drops by 0.2V from the maximum value.
CUT OFF 1. Receive a black and white signal. 2. Degauss the tube externally. 3. Set the TV into Service Mode . 4. Select Ug2 Test.	1. Confirm which colour has the biggest value 2. Turn the screen VR P3368 to minimum. 3. Connect an oscilloscope to the cathode with the biggest value colour. 4. Adjust P3368 to get a low light pulse voltage of 150V +/- 5V (TX-25AD1DP 160V +/- 5V). 5. Adjust P3362 to whichever colour reaches 50 +/- 10 first.

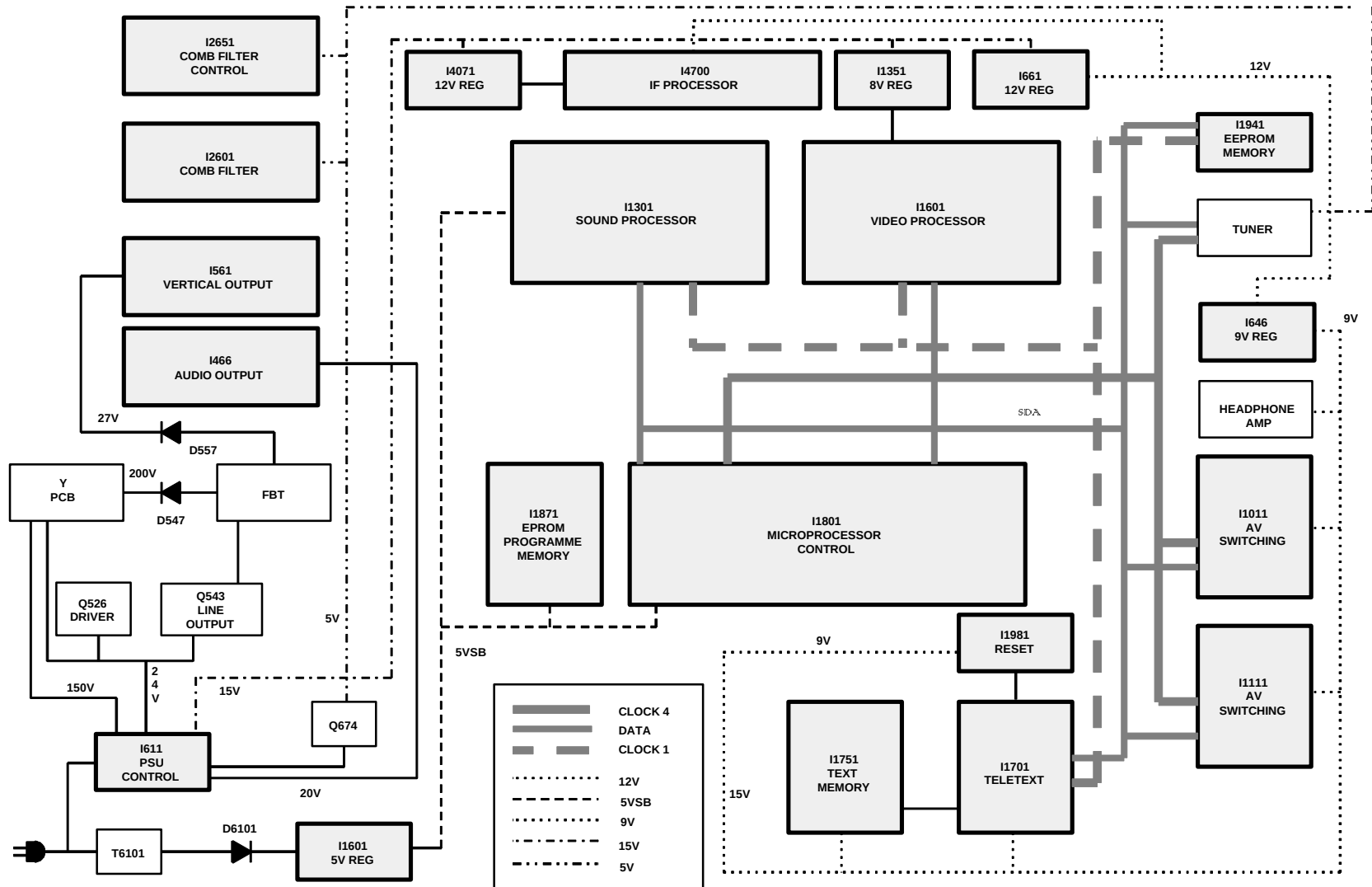
Alignment Settings

Alignment Function	TX-29AD1DP	TX-25AD1DP	Settings / Special features
1. Vertical amplitude	V-AMP 154	V-AMP 150	Optimum setting
2. Vertical symmetry	V-SYM 018	V-SYM 024	Optimum setting
3. Vertical linearity	V-LIN 015	V-LIN 021	Optimum setting
4. Vert. D.C.	Vert. D.C. 000	Vert.D.C. 000	Not to be adjusted
5. V-Pos.	V. Pos 015	V. Pos 015	Optimum setting
6. Horizontal amplitude	H-AMP 055	H-AMP 067	Optimum setting
7. Horizontal position	H-POS 002	H-POS 002	Optimum setting
8. Text Position	TEXT POSITON 048	TEXT POSITION 048	Optimum setting
9. EW-amplitude	E-W AMP1 106	E-W AMP1 048	Optimum setting
10. EW-amplitude	E-W AMP2 037	E-W AMP2 044	Optimum setting
11. Trapezium-comp	TRAPEZ-1 144	TRAPEZ-1 060	Optimum setting
12. Trapezium- comp	TRAPEZ-2 034	TRAPEZ 056	Optimum setting
13. Colour VCO	Colour VCO 034	Colour VCO 034	Press either Blue or Yellow buttons to effect automatic adjustment
14. Cut-off DC	Cut-off DC 028	Cut-off DC 028	Not to be adjusted.
15. Ug2 Test	Ug 2 Test 040 007 010	Ug 2 Test 040 007 010	To adjust the screen settings. Turn P3362 until a colour reaches 25"5, place an oscilloscope probe on the cathode with the highest output and adjust P3368 so the oscilloscope trace reads 150V 0-peak (160V 0-peak TX - 25AD1DP), then turn P3362 up so the highest numbered box on the TV screen reads 050 " 010.
16. Cutoff	Cutoff 052 061 040	Cutoff 052 061 040	Press the GREEN button to step through the settings. Adjust for optimum.
17. White	White 205 218 255	White 205 218 255	Press the GREEN button to step through the settings. Adjust for optimum.

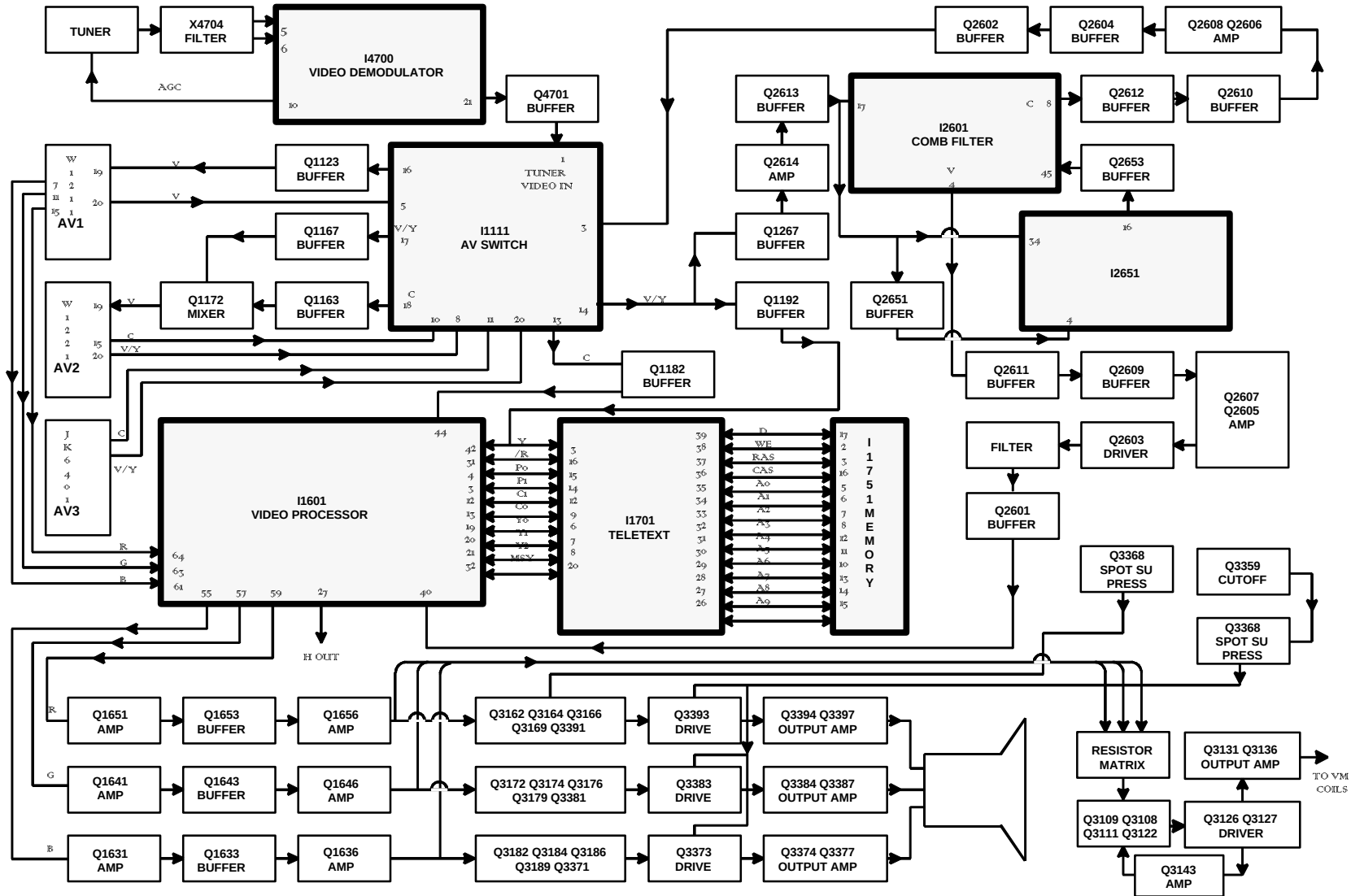
WAVEFORM PATTERN TABLE



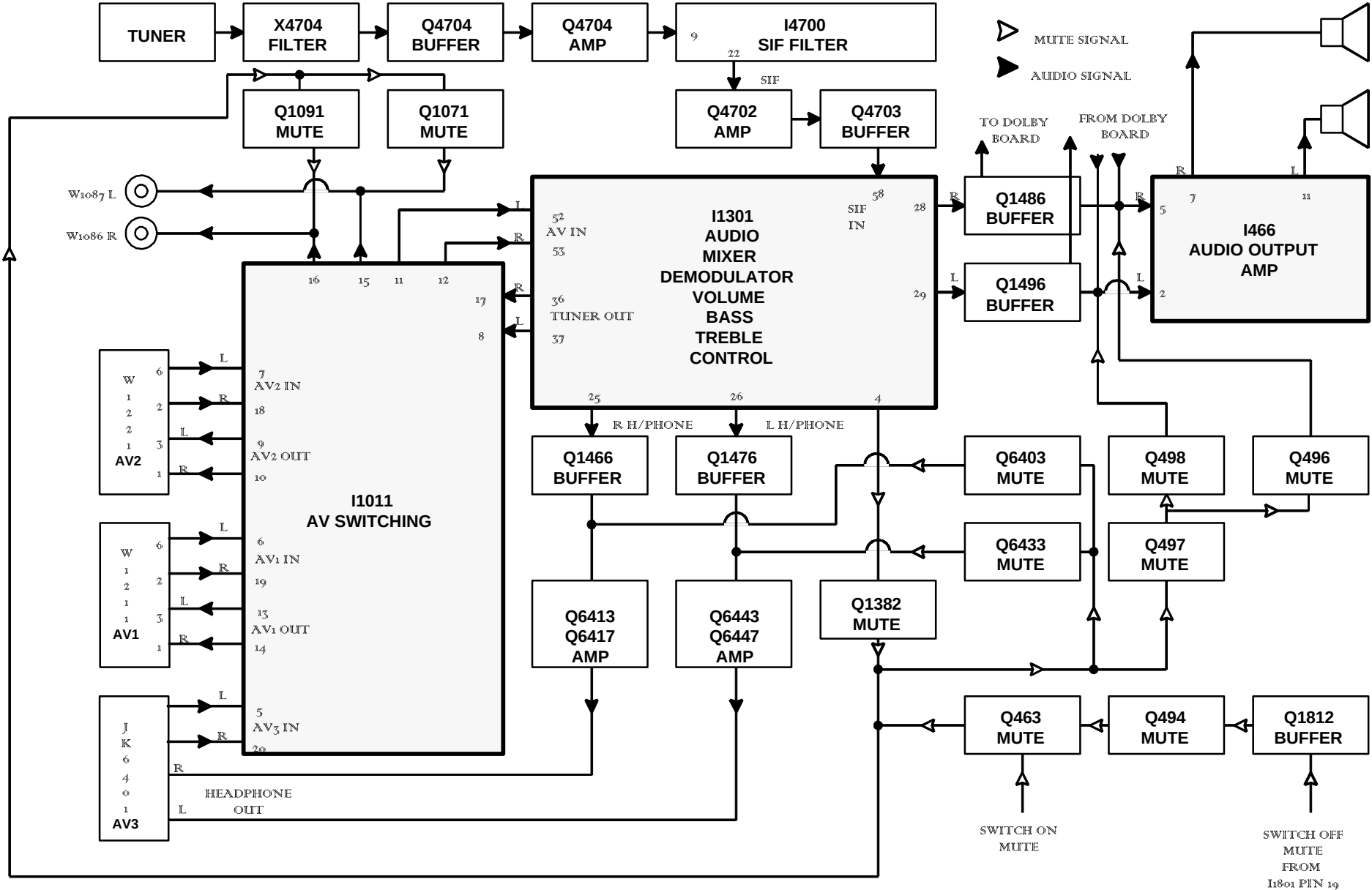
POWER SUPPLY AND CONTROL BLOCK DIAGRAM



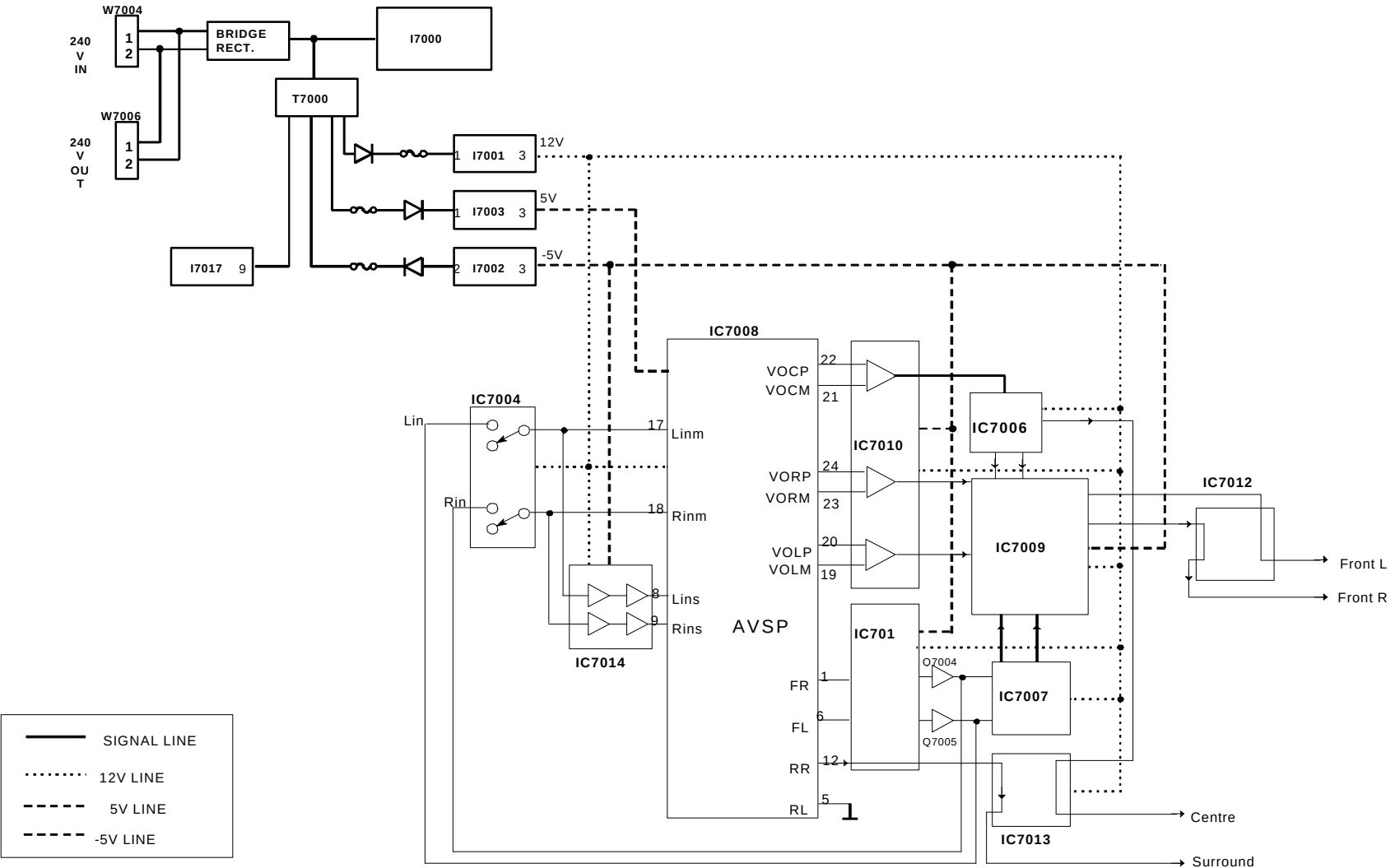
VIDEO BLOCK DIAGRAM



AUDIO BLOCK DIAGRAM



DOLBY BOARD BLOCK



SCHEMATIC DIAGRAM FOR MODELS TX-29/25AD1DP (EURO-2S 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.
Unit of resistance is OHM (W) (K=1,000, M=1,000,000).
2. CAPACITOR
All capacitors are ceramic 50V capacitors, unless marked, the unit of capacitance is mF unless otherwise stated.
3. COIL
Unit of inductance is mH, unless otherwise stated.
4. TEST POINT
 : Test Point position
 : Waveform Test Point position
5. EARTH SYMBOL
 : Chassis Earth (Cold)
 : Line Earth (Hot)
6. VOLTAGE MEASUREMENT
Voltage is measured by a DC voltmeter.
Measurement conditions are as follows:

Power source	AC 220-240V, 50Hz
Receiving Signal	Colour Bar signal (RF)
All customer controls	Maximum position
7.  : Indicates the Video signal path
 : Indicates the Audio signal path
 : Indicates the Vertical/Horizontal signal path
8. This schematic diagram is the latest at the time of printing and is subject to change without notice.

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.

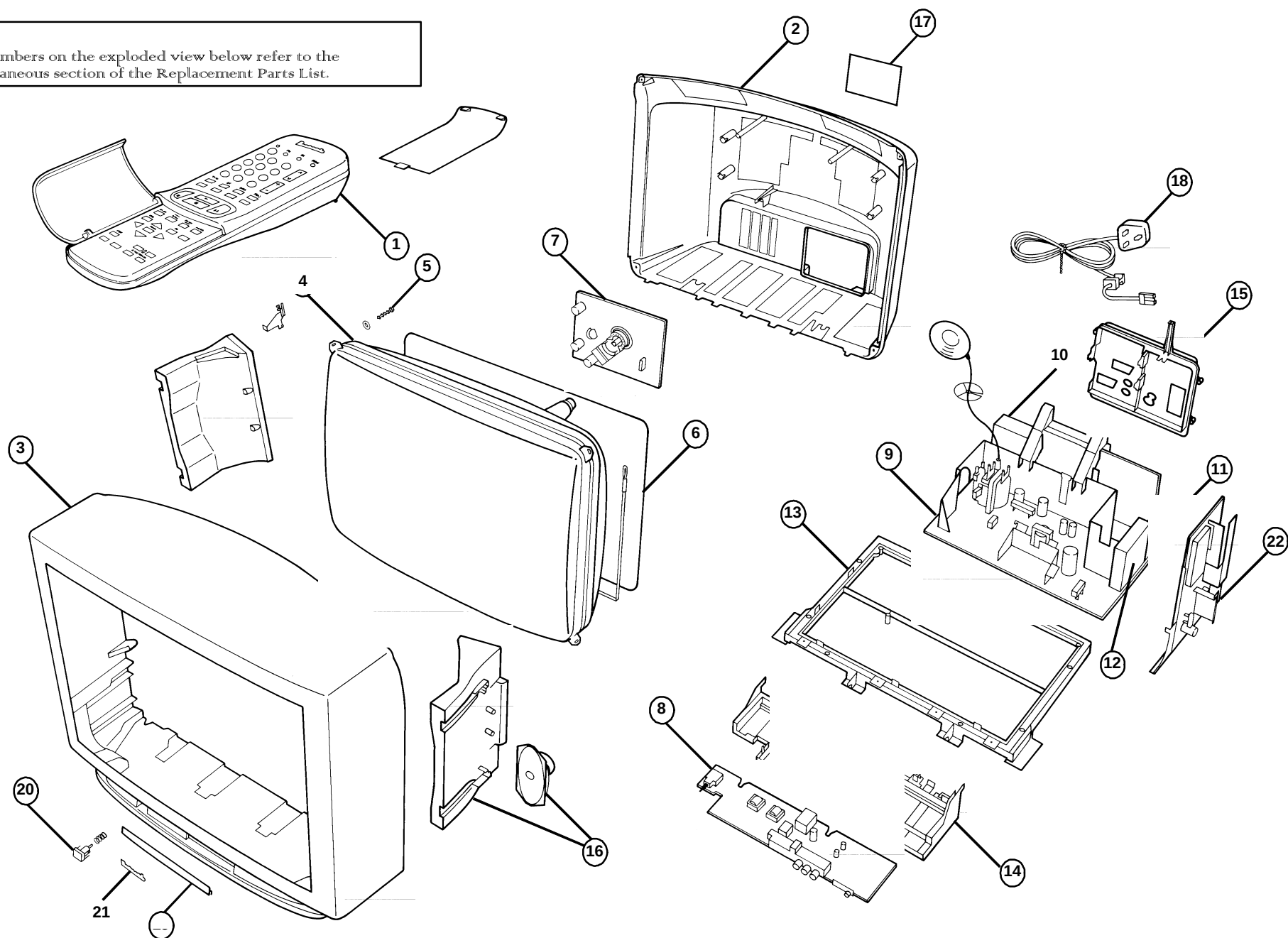
Remarks

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.

PARTS LOCATION

NOTE :

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



REPLACEMENT PARTS

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.

PARTS COMMON TO TX - 29AD1DP AND TX - 25AD1DP

MISCELLANEOUS COMPONENTS

1)	EUR51921	REMOTE CONTROL		C574	ECEA1VU332	ELECT	35V	3300mF	
2)	*****	SEE DIFFERENCE LIST		C577	222236516105	FILM	160V	1mF	
3)	*****	SEE DIFFERENCE LIST		C579	ECKC1H472J	CERAMIC	50V	4.7nF	
4)	*****	SEE DIFFERENCE LIST		C592	ECEA1CU330	ELECT	16V	33mF	
5)	*****	SEE DIFFERENCE LIST		C594	ECKC1H103JB	CERAMIC	50V	10nF	
6)	*****	SEE DIFFERENCE LIST		C595	ECQB1H102J	FILM	50V	1nF	
7)	*****	SEE DIFFERENCE LIST		C618	ECOS2GG181NG	ELECT	400V	180mF	
8)	*****	SEE DIFFERENCE LIST		C619	ECQE6104K	FILM	600V	100nF	
9)	*****	SEE DIFFERENCE LIST		C622	ECEA1HFS470	ELECT	50V	47mF	
10)	TNP117038AB	M P.C.B.		C623	222236516224	FILM	160V	220nF	
11)	U944E/L	TUNER		C626	ECKC3D471JB	CERAMIC	2KV	470pF	
12)	TNP117039AA	B P.C.B.		C628	ECKC1H221J	CERAMIC	50V	220pF	
13)	*****	SEE DIFFERENCE LIST		C629	ECQB1H153K	FILM	50V	15nF	
14)	*****	SEE DIFFERENCE LIST		C631	ECQB1H472J	FILM	50V	4.7nF	
15)	*****	SEE DIFFERENCE LIST		C632	ECQB1H103J	FILM	50V	10nF	
16)	*****	SEE DIFFERENCE LIST		C634	ECEA1HGE010	ELECT	50V	1mF	
17)	*****	SEE DIFFERENCE LIST		C636	ECKC2H472J	CERAMIC	500V	4.7nF	
18)	TSX8E0017	POWER CORD		C637	ECQB1H222J	FILM	50V	2200mF	
19)	*****	SEE DIFFERENCE LIST		C638	ECQF6333JZH	FILM	630V	33nF	
20)	TBX8E021	POWER BUTTON		C639	ECKCWS152MEJ	CERAMIC	500V	1500mF	
21)	TBM153022	PANASONIC BADGE		C647	222236516334	FILM	160V	330nF	
22)	TNP117057	K P.C.B.		C650	ECKC3A471J	CERAMIC	1KV	470pF	
	TBM8E1186	AV BLIND SHEET		C651	ECOS2EA221AB	ELECT	400V	220mF	
	TBM8E1475	BLIND SHEET		C656	ECKC2H681J	CERAMIC	500V	680pF	
	THT1009R	CRT FIXING SCREW		C657	ECEA1HU471	ELECT	50V	470mF	
	TBX8E022	OPERATE KEY		C661	ECKC2H821J	CERAMIC	500V	820pF	
	TEK6343	LID DAMPER		C662	ECEA1EU222	ELECT	25V	2200mF	
	TEK6940	LID CATCHER		C666	222236516224	FILM	160V	220nF	
	TES2249	SPRING FOR POWER BUTTON		C667	ECEA1CU471	ELECT	16V	470mF	
	TES2298	CRT EARTH SPRING		C671	ECKC2H681J	CERAMIC	500V	680pF	
	TMW8E017	L.E.D. HOLDER		C672	ECEA1EU222	ELECT	25V	2200mF	
	TNA10801	VIF PACK		C677	ECEA1CU471	ELECT	16V	470mF	
	TPD8E562	CUSHION		C681	ECEA1EGE101	ELECT	25V	100mF	
	TQB8E0910-2	INST BOOK		C682	ECKC2H331J	CERAMIC	500V	330pF	
	UM-3DEP-2P	BATTERY		C687	ECEA1HGE102	ELECT	50V	1000mF	
PK403	TBM8E1359	INDICATION SHEET		C1001	ECEA1CU470	ELECT	16V	47mF	
PK404	TBM8E1360	INDICATION SHEET		C1002	ECUV1H104ZFX	S.M. CAP	50V	100nF	

CAPACITORS

C202	ECQB1H103J	FILM	50V	10nF	C1020	ECEA1CU470	ELECT	16V	47mF
C203	ECEA1CU221	ELECT	16V	220mF	C1021	ECEA1HUR47	ELECT	50V	0.47mF
C204	ECQB1H104J	FILM	50V	100nF	C1022	ECEA1HUR47	ELECT	50V	0.47mF
C206	222236516334	FILM	160V	330nF	C1023	ECUV1H221JXCX	S.M. CAP	50V	220pF
C209	ECQB1H104J	FILM	50V	100nF	C1024	ECUV1H221JXCX	S.M. CAP	50V	220pF
C226	ECQB1H104J	FILM	50V	100nF	C1031	ECEA1HNR47	ELECT	50V	0.47mF
C228	ECKC1H102J	CERAMIC	50V	1000pF	C1032	ECEA1HUR47	ELECT	50V	0.47mF
C462	ECEA1EU101	ELECT	25V	100mF	C1033	ECUV1H221JXCX	S.M. CAP	50V	220pF
C463	ECEA1EU471	ELECT	25V	470mF	C1034	ECUV1H221JXCX	S.M. CAP	50V	220pF
C465	ECEA1CU470	ELECT	16V	47mF	C1036	ECEA1CU470	ELECT	16V	47mF
C466	ECEA1HU222	ELECT	50V	2200mF	C1038	ECEA1CU470	ELECT	16V	47mF
C467	ECQB1H103J	FILM	50V	10nF	C1041	ECUV1H103KBX	S.M. CAP	50V	10nF
C470	222236516184	FILM	160V	180nF	C1042	ECUV1H103KBX	S.M. CAP	50V	10nF
C471	ECEA1HU010	ELECT	50V	1mF	C1043	ECEA1HUR47	ELECT	50V	0.47mF
C472	ECEA1CU101	ELECT	16V	100mF	C1044	ECEA1HUR47	ELECT	50V	0.47mF
C473	ECEA1EGE222	ELECT	25V	2200mF	C1045	ECUV1H560JXCX	S.M. CAP	50V	56pF
C476	ECEA1HU4R7	ELECT	50V	4.7mF	C1051	ECEA1HNR33	ELECT	50V	0.33mF
C477	ECEA1HU4R7	ELECT	50V	4.7mF	C1052	ECEA1HNR33	ELECT	50V	0.33mF
C479	222236576104	FILM	760V	100mF	C1071	ECEA1CN470	ELECT	16V	47mF
C480	222236516184	FILM	160V	180nF	C1091	ECEA1CU470	ELECT	16V	47mF
C481	ECEA1HU010	ELECT	50V	1mF	C1101	ECEA1HUR47	ELECT	50V	0.47mF
C482	ECEA1CU101	ELECT	16V	100mF	C1111	ECEA1HU470	ELECT	50V	47mF
C483	ECEA1EGE222	ELECT	25V	2200mF	C1112	ECUV1H473ZFX	S.M. CAP	50V	47nF
C486	ECEA1HU4R7	ELECT	50V	4.7mF	C1116	ECUV1H473ZFX	S.M. CAP	50V	47nF
C487	ECEA1HU4R7	ELECT	50V	4.7mF	C1121	ECEA1HUR47	ELECT	50V	0.47mF
C489	222236576104	FILM	760V	100nF	C1124	ECUV1H473ZFX	S.M. CAP	50V	47nF
C492	ECEA1VU4R7	ELECT	35V	4.7mF	C1126	ECEA1CU470	ELECT	16V	47mF
C495	ECEA1EU101	ELECT	25V	100mF	C1151	ECUV1H102KBX	S.M. CAP	50V	1nF
C496	ECEA1CU100	ELECT	16V	10mF	C1158	ECEA1HUR47	ELECT	50V	0.47mF
C521	ECEA1HU101	ELECT	50V	100mF	C1161	ECUV1H102KBX	S.M. CAP	50V	1nF
C524	222236516105	FILM	160V	1mF	C1178	ECUV1H473ZFX	S.M. CAP	50V	47nF
C527	ECQM2683JZ	FILM	250V	68nF	C1179	ECEA1CU470	ELECT	16V	47mF
C531	ECQM2564KZ	FILM	250V	560nF	C1183	ECUV1H104ZFX	S.M. CAP	50V	100nF
C536	ECWH12H103J	FILM	1250V	10nF	C1193	ECUV1H104ZFX	S.M. CAP	50V	100nF
C538	ECWF2H514J	FILM	500V	510nF	C1226	ECUV1H560JXCX	S.M. CAP	50V	56pF
C543	ECEA2VU2R2	ELECT	350V	2.2mF	C1231	ECUV1H104ZFX	S.M. CAP	50V	100nF
C544	ECKC3D152J	CERAMIC	2KV	1.5nF	C1241	ECUV1H472KBX	S.M. CAP	50V	4.7nF
C547	ECKC2H101J	CERAMIC	500V	100pF	C1242	ECUV1H472KBX	S.M. CAP	50V	4.7nF
C548	ECEA2EU220	ELECT	250V	22mF	C1263	ECUV1H102KBX	S.M. CAP	50V	1nF
C549	ECEA2AU2R2	ELECT	100V	2.2mF	C1271	ECUV1H102KBX	S.M. CAP	50V	1nF
C557	ECKC2H101J	CERAMIC	500V	100pF	C1273	ECEA1HUR47	ELECT	50V	0.47mF
C558	ECEA1VU102	ELECT	35V	1000mF	C1282	ECEA1HUR47	ELECT	50V	0.47mF
C561	ECEA1VU222	ELECT	35V	2200mF	C1284	ECEA1HUR47	ELECT	50V	0.47mF
C562	222236576104	FILM	760V	100mF	C1301	ECEA1CU100	ELECT	16V	10mF
C563	ECEA1VU471	ELECT	35V	470mF	C1302	ECUV1H104ZFX	S.M. CAP	50V	100nF
C564	ECQB1H473K	FILM	50V	47nF	C1303	ECEA1CU100	ELECT	16V	10mF
C565	ECKC2H151J	CERAMIC	500V	150pF	C1304	ECUV1H104ZFX	S.M. CAP	50V	100nF
C568	222236516224	FILM	160V	220nF	C1306	ECEA1CU101	ELECT	16V	100mF

C1307	ECUV1H104ZFX	S.M. CAP	50V	100nF	C1849	ECEA1HU4R7	ELECT	50V	4.7mF
C1309	ECEA1CU100	ELECT	16V	10mF	C1851	ECUV1H470JCX	S.M. CAP	50V	47pF
C1310	ECEA1CU100	ELECT	16V	10mF	C1852	ECUV1H390JCX	S.M. CAP	50V	39pF
C1311	ECUV1H104ZFX	S.M. CAP	50V	100nF	C1853	ECUV1H390JCX	S.M. CAP	50V	39pF
C1312	ECEA50Y3R3	ELECT	50V	3.3mF	C1857	ECUV1H560JCX	S.M. CAP	50V	56pF
C1313	ECUV1H471JCX	S.M. CAP	50V	470pF	C1859	ECUV1H560JCX	S.M. CAP	50V	56pF
C1314	ECUV1H471JCX	S.M. CAP	50V	470pF	C1871	ECUV1H103KBX	S.M. CAP	50V	10nF
C1315	ECEA1CU100	ELECT	16V	10mF	C1879	ECUV1H560JCX	S.M. CAP	50V	56pF
C1316	ECUV1H104ZFX	S.M. CAP	50V	100nF	C1888	ECUV1H103KBX	S.M. CAP	50V	10nF
C1321	ECUV1H030CCX	S.M. CAP	50V	30pF	C1891	ECUV1H102KBX	S.M. CAP	50V	1nF
C1322	ECUV1H030CCX	S.M. CAP	50V	30pF	C1893	ECUV1H102KBX	S.M. CAP	50V	1nF
C1326	ECQM1H334J	FILM	50V	330nF	C1894	ECUV1H102KBX	S.M. CAP	50V	1nF
C1327	ECUV1H221JCX	S.M. CAP	50V	220pF	C1922	ECUV1H103KBX	S.M. CAP	50V	10nF
C1331	ECUV1H391JCX	S.M. CAP	50V	390pF	C1925	ECUV1H103KBX	S.M. CAP	50V	10nF
C1332	ECUV1H391JCX	S.M. CAP	50V	390pF	C1931	ECUV1H103KBX	S.M. CAP	50V	10nF
C1346	ECUV1H221JCX	S.M. CAP	50V	220pF	C1941	ECUV1H103KBX	S.M. CAP	50V	10nF
C1347	ECUV1H221JCX	S.M. CAP	50V	220pF	C1942	ECEA1CU470	ELECT	16V	47mF
C1351	ECEA1CU470	ELECT	16V	47mF	C1961	ECUV1H332KBX	S.M. CAP	50V	3.3nF
C1352	ECUV1H104ZFX	S.M. CAP	50V	100nF	C1962	ECUV1H332KBX	S.M. CAP	50V	3.3nF
C1353	ECUV1H104ZFX	S.M. CAP	50V	100nF	C1963	ECUV1H332KBX	S.M. CAP	50V	3.3nF
C1377	ECUV1H104ZFX	S.M. CAP	50V	100nF	C1964	ECUV1H332KBX	S.M. CAP	50V	3.3nF
C1382	ECUV1H104ZFX	S.M. CAP	50V	100nF	C1971	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1409	ECUV1H470JCX	S.M. CAP	50V	47pF	C1972	ECEA1CU470	ELECT	16V	47mF
C1411	ECUV1H070DCX	S.M. CAP	50V	7pF	C1973	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1412	ECUV1H100DCX	S.M. CAP	50V	10pF	C1974	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1413	ECUV1H220JCX	S.M. CAP	50V	22pF	C1976	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1416	ECUV1H070DCX	S.M. CAP	50V	7pF	C1977	ECEA1CU470	ELECT	16V	47mF
C1417	ECUV1H560JCX	S.M. CAP	50V	56pF	C1981	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1444	ECUV1H102KBX	S.M. CAP	50V	1nF	C1982	ECUV1H101JCX	S.M. CAP	50V	100pF
C1454	ECUV1H102KBX	S.M. CAP	50V	1nF	C3101	ECUV1H030CCX	S.M. CAP	50V	30pF
C1463	ECUV1H102KBX	S.M. CAP	50V	1nF	C3102	ECUV1H103ZFX	S.M. CAP	50V	10nF
C1465	ECUV1H560JCX	S.M. CAP	50V	56pF	C3103	ECEA1HU100	ELECT	50V	10mF
C1467	ECUV1H102KBX	S.M. CAP	50V	1nF	C3122	ECUV1H102KBX	S.M. CAP	50V	1nF
C1468	ECUV1H102KBX	S.M. CAP	50V	1nF	C3124	ECUV1H471JCX	S.M. CAP	50V	470pF
C1473	ECUV1H102KBX	S.M. CAP	50V	1nF	C3131	ECKC2H471J	CERAMIC	500V	470pF
C1475	ECUV1H560JCX	S.M. CAP	50V	56pF	C3134	ECEA1CU101	ELECT	16V	100mF
C1483	ECUV1H102KBX	S.M. CAP	50V	1nF	C3136	ECKC2H471J	CERAMIC	500V	470pF
C1487	ECUV1H103KBX	S.M. CAP	50V	10nF	C3139	ECEA1CU101	ELECT	16V	100mF
C1493	ECUV1H102KBX	S.M. CAP	50V	1nF	C3141	ECEA1CU471	ELECT	16V	470mF
C1497	ECUV1H103KBX	S.M. CAP	50V	10nF	C3143	ECEA1CU100	ELECT	16V	10mF
C1601	ECEA1CU470	ELECT	16V	47mF	C3144	ECEA1CU470	ELECT	16V	47mF
C1602	ECUV1H103KBX	S.M. CAP	50V	10nF	C3146	ECEA2EU220	ELECT	250V	22mF
C1606	ECEA0JU102	ELECT	6.3V	1000mF	C3152	ECEA2EU220	ELECT	250V	22mF
C1607	ECUV1H103KBX	S.M. CAP	50V	10nF	C3153	ECEA1VU101	ELECT	35V	100mF
C1611	ECEA1CU470	ELECT	16V	47mF	C3168	ECUV1H103ZFX	S.M. CAP	50V	10nF
C1612	ECUV1H103KBX	S.M. CAP	50V	10nF	C3169	ECEA1CU100	ELECT	16V	10mF
C1613	ECEA1CU100	ELECT	16V	10mF	C3177	ECUV1H150JCX	S.M. CAP	50V	15pF
C1614	ECUV1H473ZFX	S.M. CAP	50V	47nF	C3178	ECUV1H103ZFX	S.M. CAP	50V	10nF
C1615	ECUV1H103KBX	S.M. CAP	50V	10nF	C3179	ECEA1CU100	ELECT	16V	10mF
C1616	ECUV1H101JCX	S.M. CAP	50V	100pF	C3187	ECUV1H121JCX	S.M. CAP	50V	120pF
C1617	ECUV1H470JCX	S.M. CAP	50V	47pF	C3188	ECUV1H103ZFX	S.M. CAP	50V	10nF
C1618	ECUV1H470JCX	S.M. CAP	50V	47pF	C3189	ECEA1CU100	ELECT	16V	10mF
C1619	ECUV1H103KBX	S.M. CAP	50V	10nF	C3356	ECEA1CU220	ELECT	16V	22mF
C1620	ECUV1H102KBX	S.M. CAP	50V	1nF	C3357	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1621	ECUV1H103KBX	S.M. CAP	50V	10nF	C3364	ECKC3A331J	CERAMIC	1000V	330pF
C1622	ECEA1CU100	ELECT	16V	10mF	C3366	ECEA2EU220	ELECT	250V	22mF
C1625	ECUV1H101JCX	S.M. CAP	50V	100pF	C3367	ECQM2104KZ	FILM	250V	100nF
C1626	ECUV1H104ZFX	S.M. CAP	50V	100nF	C3369	ECEA1CU100	ELECT	16V	10mF
C1627	ECEA1HNR22	ELECT	50V	0.22mF	C3373	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1641	ECUV1H104ZFX	S.M. CAP	50V	100nF	C3377	ECUV1H681JCX	S.M. CAP	50V	680pF
C1651	ECUV1H104ZFX	S.M. CAP	50V	100nF	C3383	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1652	ECUV1H104ZFX	S.M. CAP	50V	100nF	C3387	ECUV1H681JCX	S.M. CAP	50V	680pF
C1653	ECUV1H104ZFX	S.M. CAP	50V	100nF	C3392	ECEA1CU471	ELECT	16V	470mF
C1655	ECEA1CU470	ELECT	16V	47mF	C3393	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1661	ECUV1H102KBX	S.M. CAP	50V	1nF	C3397	ECUV1H681JCX	S.M. CAP	50V	680pF
C1662	ECUV1H683ZFX	S.M. CAP	50V	68nF	C4701	ECUV1H151JCX	S.M. CAP	50V	150pF
C1663	ECUV1H102KBX	S.M. CAP	50V	1nF	C4702	ECUV1H331JCX	S.M. CAP	50V	330pF
C1666	ECUV1H102KBX	S.M. CAP	50V	1nF	C4703	ECEA1HKAR47	ELECT	50V	4.7mF
C1667	ECUV1H683ZFX	S.M. CAP	50V	68nF	C4704	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1668	ECUV1H104ZFX	S.M. CAP	50V	100nF	C4705	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1672	ECEA1CU100	ELECT	16V	10mF	C4706	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1673	ECUV1H104ZFX	S.M. CAP	50V	100nF	C4707	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1681	ECUV1H102KBX	S.M. CAP	50V	1nF	C4708	ECEA1CKA100	ELECT	16V	10mF
C1682	ECUV1H102KBX	S.M. CAP	50V	1nF	C4709	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1685	ECUV1H102KBX	S.M. CAP	50V	1nF	C4710	ECEA1CKA100	ELECT	16V	10mF
C1686	ECUV1H271JCX	S.M. CAP	50V	270pF	C4711	ECUV1H390JPX	S.M. CAP	50V	39pF
C1687	ECUV1H121JCX	S.M. CAP	50V	120pF	C4712	ECUV1H150JCX	S.M. CAP	50V	15pF
C1688	ECUV1H471JCX	S.M. CAP	50V	470pF	C4713	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1691	ECUV1H104ZFX	S.M. CAP	50V	100nF	C4714	ECEA1EKA100	ELECT	25V	10mF
C1692	ECUV1H104ZFX	S.M. CAP	50V	100nF	C4715	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1693	ECUV1H104ZFX	S.M. CAP	50V	100nF	C4716	ECEA1CKA100	ELECT	16V	10mF
C1696	ECUV1H102KBX	S.M. CAP	50V	1nF	C4717	ECUV1H683ZFX	S.M. CAP	50V	68nF
C1697	ECUV1H100DCX	S.M. CAP	50V	10pF	C4718	ECUV1H102KBX	S.M. CAP	50V	1nF
C1698	ECUV1H102KBX	S.M. CAP	50V	1nF	C4719	ECEA1HKAR47	ELECT	50V	4.7mF
C1699	ECUV1H100DCX	S.M. CAP	50V	10pF	C4720	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1701	ECEA1CU470	ELECT	16V	47mF	C4721	ECEA1HKA2R2	ELECT	50V	2.2mF
C1702	ECUV1H103KBX	S.M. CAP	50V	10nF	C4722	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1704	ECEA1CU470	ELECT	16V	47mF	C4723	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1706	ECUV1H104ZFX	S.M. CAP	50V	100nF	C4724	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1714	ECUV1H103KBX	S.M. CAP	50V	10nF	C4725	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1717	ECUV1H102KBX	S.M. CAP	50V	1nF	C4726	ECEA1CKA470	ELECT	16V	47mF
C1721	ECUV1H473ZFX	S.M. CAP	50V	47nF	C4727	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1722	ECUV1H102KBX	S.M. CAP	50V	1nF	C4728	ECEA1CKA100	ELECT	16V	10mF
C1752	ECUV1H103KBX	S.M. CAP	50V	10nF	C4733	ECUV1H270JPX	S.M. CAP	50V	27pF
C1753	ECEA1CU100	ELECT	16V	10mF	C4735	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1801	ECUV1H103KBX	S.M. CAP	50V	10nF	C4736	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1802	ECEA1CU470	ELECT	16V	47mF	C4737	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1804	ECUV1H103KBX	S.M. CAP	50V	10nF	C4738	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1811	ECUV1H332KBX	S.M. CAP	50V	3.3nF	C4739	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1816	ERJ6GEYJ153	S.M. CARB	0.1W5%	15KW	C4740	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1826	ERJ6GEYJ153	S.M. CARB	0.1W5%	15KW	C4742	ECUV1H100DCX	S.M. CAP	50V	10pF
C1836	ECUV1H104ZFX	S.M. CAP	50V	100nF	C4743	ECUV1H100DCX	S.M. CAP	50V	10pF
C1838	ECUV1H101JCX	S.M. CAP	50V	100pF	C4745	ECUV1H102KBX	S.M. CAP	50V	1nF
C1843	ECUV1H472KBX	S.M. CAP	50V	4.7nF	C4746	ECUV1H104ZFX	S.M. CAP	50V	100nF
C1845	ECUV1H560JCX	S.M. CAP	50V	56pF	C4747	ECUV1H102KBX	S.M. CAP	50V	1nF

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C4748	ECUV1H102KBX	S.M. CAP	50V	1nF		C7077	ECEA1CN100	ELECT	16V	10mF
C4749	ECUV1H102KBX	S.M. CAP	50V	1nF		C7078	ECEA1CN100	ELECT	16V	10mF
C4790	ECEA1HKA010	ELECT	50V	1mF		C7079	ECUV1H104ZFX	S.M. CAP	50V	100nF
C6101	ECEA1HU471	ELECT	50V	470mF		C7080	ECEA1CU220	ELECT	16V	22mF
C6102	ECQM1H334J	FILM	50V	330nF		C7081	ECUV1H333KBX	S.M. CAP	50V	33pF
C6103	ECQM1H104J	FILM	50V	100nF		C7082	ECUV1H562KBX	S.M. CAP	50V	5.6pF
C6104	ECEA1HU101	ELECT	50V	100mF		C7083	ECUV1H333KBX	S.M. CAP	50V	33pF
C6106	ECEA1HU101	ELECT	50V	100mF		C7084	ECUV1H562KBX	S.M. CAP	50V	5.6pF
C6301	ECEA1CU470	ELECT	16V	47mF		C7085	ECEA1CU220	ELECT	16V	22mF
C6303	ECUV1H103ZFX	S.M. CAP	50V	10nF		C7086	ECUV1H103ZFX	S.M. CAP	50V	10nF
C6401	ECEA1CU101	ELECT	16V	100mF		C7087	ECUV1H104ZFX	S.M. CAP	50V	100nF
C6402	ECEA1CU101	ELECT	16V	100mF		C7088	ECEA1CU470	ELECT	16V	47mF
C6403	ECUV1H103ZFX	S.M. CAP	50V	10nF		C7089	ECUV1H562KBX	S.M. CAP	50V	5.6pF
C6406	ECEA1HU4R7	ELECT	50V	4.7mF		C7090	ECUV1H152KBX	S.M. CAP	50V	1.5pF
C6407	ECUV1H102KBX	S.M. CAP	50V	1nF		C7091	ECUV1H152KBX	S.M. CAP	50V	1.5pF
C6408	ECEA1HU4R7	ELECT	50V	4.7mF		C7092	ECUV1H561KBX	S.M. CAP	50V	560pF
C6409	ECUV1H561JCX	S.M. CAP	50V	560pF		C7093	ECUV1H103ZFX	S.M. CAP	50V	10nF
C6410	ECUV1H561JCX	S.M. CAP	50V	560pF		C7094	ECKC1H101J	CERAMIC	50V	100pF
C6417	ECEA1CU471	ELECT	16V	470mF		C7095	ECEA1HU010	ELECT	50V	1mF
C6418	ECUV1H103ZFX	S.M. CAP	50V	10nF		C7097	ECEA1CU100	ELECT	16V	10mF
C6436	ECEA1HU4R7	ELECT	50V	4.7mF		C7098	ECUV1H561JCX	S.M. CAP	50V	560pF
C6437	ECUV1H102KBX	S.M. CAP	50V	1nF		C7099	ECUV1H272KBX	S.M. CAP	50V	2.7nF
C6438	ECEA1HU4R7	ELECT	50V	4.7mF		C7100	ECEA1CU470	ELECT	16V	47mF
C6447	ECEA1CU471	ELECT	16V	470mF		C7101	ECUV1H272JCX	S.M. CAP	50V	2.7nF
C6448	ECUV1H103ZFX	S.M. CAP	50V	10nF		C7102	ECUV1H221JCX	S.M. CAP	50V	220pF
C6491	ECUV1H271JCX	S.M. CAP	50V	270pF		C7103	ECEA1CU100	ELECT	16V	10mF
C6591	ECUV1H271JCX	S.M. CAP	50V	270pF		C7104	ECUV1H221JCX	S.M. CAP	50V	220pF
C6811	ECKCNS332J	CERAMIC	1.2KV	3.3nF	▲	C7105	ECUV1H392KBX	S.M. CAP	50V	3.9nF
C6812	ECQU2A154MN	FILM	250V	150nF		C7106	ECUV1H101JCX	S.M. CAP	50V	100pF
C6815	ECQU2A224MN	FILM	250V	220nF	▲	C7107	ECUV1H392KBX	S.M. CAP	50V	3.9nF
C7000	ECKC2H472J	CERAMIC	500V	4.7nF	▲	C7108	ECEA1HN010	ELECT	50V	1mF
C7003	ECKC2H472J	CERAMIC	500V	4.7nF	▲	C7109	ECUV1H104ZFX	S.M. CAP	50V	100nF
C7004	ECOS2GA101BB	ELECT	400V	100mF		C7110	ECUV1H104ZFX	S.M. CAP	50V	100nF
C7005	ECEA1CU221	ELECT	16V	220mF		C7111	ECUV1H392KBX	S.M. CAP	50V	3.9nF
C7006	ECUV1H103ZFX	S.M. CAP	50V	10nF		C7112	ECUV1H103ZFX	S.M. CAP	50V	10nF
C7007	ECKC3D471JB	CERAMIC	2KV	470pF	▲	C7113	ECUV1H392KBX	S.M. CAP	50V	3.9nF
C7008	ECQM1H683J	FILM	50V	68nF		C7114	ECUV1H152JCX	S.M. CAP	50V	1.5pF
C7009	ECKC2H103J	CERAMIC	50V	10nF	▲	C7115	ECUV1H152JCX	S.M. CAP	50V	1.5pF
C7010	ECQM1H333J	FILM	50V	33nF		C7116	ECUV1H103KBX	S.M. CAP	50V	10nF
C7011	ECKCWS471J	CERAMIC	50V	470mF		C7117	ECUV1H102JCX	S.M. CAP	50V	1nF
C7012	ECEA1CU221	ELECT	16V	220mF		C7118	ECEA1CN100	ELECT	16V	10mF
C7013	ECUV1H330JCX	S.M. CAP	50V	33pF		C7119	ECEA1CN100	ELECT	16V	10mF
C7014	ECUV1H330JCX	S.M. CAP	50V	33pF		C7120	ECEA1EU221	ELECT	25V	220mF
C7015	ECUV1H103ZFX	S.M. CAP	50V	10nF		C7121	ECEA1EU101	ELECT	25V	100mF
C7016	ECEA1VU471	ELECT	35V	470mF		C7122	ECEA1EU221	ELECT	25V	220mF
C7017	ECEA1EU102	ELECT	25V	1000mF		C7123	ECUV1H102KBX	S.M. CAP	50V	1nF
C7018	ECEA1EU102	ELECT	25V	1000mF		C7124	ECUV1H103KBX	S.M. CAP	50V	10nF
C7019	ECEA1EU102	ELECT	25V	1000mF		C7125	ECUV1H103ZFX	S.M. CAP	50V	10nF
C7020	ECUV1H103ZFX	S.M. CAP	50V	10nF		C7127	ECEA1VU222	ELECT	35V	2200mF
C7021	ECEA1HU010	ELECT	50V	1mF		C7130	ECQM1H104J	FILM	50V	100nF
C7022	ECEA1HU010	ELECT	50V	1mF		C7131	ECEA1EU102	ELECT	25V	1000mF
C7023	ECEA1HU010	ELECT	50V	1mF		C7132	ECQM1H104J	FILM	50V	100nF
C7024	ECUV1H103ZFX	S.M. CAP	50V	10nF		C7133	ECEA1EU102	ELECT	25V	1000mF
C7025	ECUV1H103ZFX	S.M. CAP	50V	10nF		C7134	ECUV1H101JCX	S.M. CAP	50V	100pF
C7026	ECUV1H103ZFX	S.M. CAP	50V	10nF		C7135	ECUV1H221JCX	S.M. CAP	50V	220pF
C7027	ECEA0JU221	ELECT	6.3V	220mF		C7136	ECUV1H101JCX	S.M. CAP	50V	100pF
C7028	ECEA0JU221	ELECT	6.3V	220mF		C7137	ECUV1H103ZFX	S.M. CAP	50V	10nF
C7029	ECUV1H223KBX	S.M. CAP	50V	22nF		C7138	ECEA1HU100	ELECT	50V	10mF
C7030	ECEA1HU100	ELECT	50V	10mF		C7139	ECEA1HU100	ELECT	50V	10mF
C7031	ECUV1H103ZFX	S.M. CAP	50V	10nF		C7140	ECEA1HU100	ELECT	50V	10mF
C7032	ECEA1CU470	ELECT	16V	47mF		C7141	ECEA1HU100	ELECT	50V	10mF
C7033	ECQM1H154J	FILM	50V	150nF		C7142	ECEA1HU100	ELECT	50V	10mF
C7034	ECUV1H330JCX	S.M. CAP	50V	33pF		C7143	ECEA1CN100	ELECT	16V	10mF
C7035	ECUV1H330JCX	S.M. CAP	50V	33pF		C7144	ECEA1CN100	ELECT	16V	10mF
C7036	ECEA1HU4R7	ELECT	50V	4.7mF		C7145	ECEA1CU100	ELECT	16V	10mF
C7037	ECUV1H103ZFX	S.M. CAP	50V	10nF		C7146	ECEA1CU100	ELECT	16V	10mF
C7038	ECUV1H103ZFX	S.M. CAP	50V	10nF		C7153	ECEA1CU100	ELECT	16V	10mF
C7039	ECUV1H103ZFX	S.M. CAP	50V	10nF		C7154	ECUV1H103ZFX	S.M. CAP	50V	10nF
C7040	ECUV1H332KBX	S.M. CAP	50V	3.3nF		C7155	ECEA1EU221	ELECT	25V	220mF
C7041	ECUV1H332KBX	S.M. CAP	50V	3.3nF						
C7042	ECUV1H332KBX	S.M. CAP	50V	3.3nF						
C7043	ECUV1H103ZFX	S.M. CAP	50V	10nF						
C7044	ECUV1H101JCX	S.M. CAP	50V	100pF						
C7045	ECEA1CU470	ELECT	16V	47mF						
C7046	ECEA1CU470	ELECT	16V	47mF						
C7047	ECEA0JU471	ELECT	6.3V	470mF						
C7048	ECUV1H104ZFX	S.M. CAP	50V	100nF						
C7049	ECUV1H104ZFX	S.M. CAP	50V	100nF						
C7050	ECUV1H103ZFX	S.M. CAP	50V	10nF						
C7051	ECEA1CU470	ELECT	16V	47mF						
C7052	ECUV1H300JCX	S.M. CAP	50V	30pF						
C7053	ECUV1H101JCX	S.M. CAP	50V	100pF						
C7054	ECUV1H101JCX	S.M. CAP	50V	100pF						
C7055	ECUV1H101JCX	S.M. CAP	50V	100pF						
C7056	ECUV1H101JCX	S.M. CAP	50V	100pF						
C7057	ECEA1HN010	ELECT	50V	1mF						
C7058	ECEA1HU010	ELECT	50V	1mF						
C7059	ECEA1HU010	ELECT	50V	1mF						
C7060	ECUV1H300JCX	S.M. CAP	50V	30mF						
C7061	ECUV1H104ZFX	S.M. CAP	50V	100nF						
C7062	ECUV1H104ZFX	S.M. CAP	50V	100nF						
C7063	ECUV1H562KBX	S.M. CAP	50V	5.6pF						
C7064	ECUV1H104ZFX	S.M. CAP	50V	100nF						
C7065	ECUV1H152KBX	S.M. CAP	50V	1.5pF						
C7066	ECUV1H333KBX	S.M. CAP	50V	33pF						
C7067	ECUV1H562KBX	S.M. CAP	50V	5.6pF						
C7068	ECEA1CU101	ELECT	16V	100mF						
C7069	ECUV1H300JCX	S.M. CAP	50V	30mF						
C7070	ECEA1CU101	ELECT	16V	100mF						
C7071	ECEA1HN010	ELECT	50V	1mF						
C7072	ECUV1H333KBX	S.M. CAP	50V	33pF						
C7073	ECUV1H101JCX	S.M. CAP	50V	100pF						
C7074	ECEA1CU470	ELECT	16V	47mF						
C7075	ECEA1CU470	ELECT	16V	47mF						
C7076	ECUV1H392KBX	S.M. CAP	50V	3.9nF						

DIODES

D206	MA4300	DIODE
D465	MA165TA5	DIODE
D466	MA165TA5	DIODE
D467	MA165TA5	DIODE
D468	MA165TA5	DIODE
D471	MA700TA5	DIODE
D481	MA700TA5	DIODE
D491	MA167TA5	DIODE
D526	MA165TA5	DIODE
D527	EU02	DIODE
D536	ERB0615	DIODE TYPD0753VAG
D537	TVSRU2AM	DIODE
D544	TVSES1FV1	DIODE
D547	AU02V0	DIODE
D548	MA165TA5	DIODE
D549	MA167TA5	DIODE
D557	EU02	DIODE
D561	ERA15-02V3	DIODE
D562	MA165TA5	DIODE
D563	MA165TA5	DIODE
D566	MA2082ALFS	DIODE
D567	MA4062	DIODE
D569	MA2082ALFS	DIODE
D613	RBV4-08	DIODE
D622	MA167TA5	DIODE
D624	BYT56K15/10	DIODE
D630	MA165TA5	DIODE
D636	MA167TA5	DIODE
D651	RG4CLFL1	DIODE
D656	EU02	DIODE
D661	ERD32-02L7	DIODE

D671	ERD32-02L7	DIODE
D674	MA4120	DIODE
D678	MA4027	DIODE
D681	EU02	DIODE
D686	RU4AMLF-M1	DIODE
D1019	PMLL5242B	DIODE
D1020	PMLL5242B	DIODE
D1023	PMLL5242B	DIODE
D1024	PMLL5242B	DIODE
D1033	PMLL5242B	DIODE
D1034	PMLL5242B	DIODE
D1036	PMLL5242B	DIODE
D1038	PMLL5242B	DIODE
D1070	PMLL5242B	DIODE
D1080	PMLL4148L	DIODE
D1081	PMLL4148L	DIODE
D1082	PMLL4148L	DIODE
D1090	PMLL5242B	DIODE
D1121	PMLL5242B	DIODE
D1123	PMLL5242B	DIODE
D1156	PMLL5242B	DIODE
D1158	PMLL5242B	DIODE
D1172	PMLL5242B	DIODE
D1221	PMLL5232B	DIODE
D1222	PMLL5232B	DIODE
D1270	PMLL5242B	DIODE
D1273	PMLL5242B	DIODE
D1282	PMLL5242B	DIODE
D1284	PMLL5242B	DIODE
D1381	PMLL5239B	DIODE
D1382	PMLL4148L	DIODE
D1617	PMLL4148L	DIODE
D1623	PMLL4148L	DIODE
D1624	PMLL4148L	DIODE
D1681	PMLL4148L	DIODE
D1682	PMLL4148L	DIODE
D1941	PMLL5232B	DIODE
D3126	PMLL4148L	DIODE
D3127	PMLL4148L	DIODE
D3133	PMLL4148L	DIODE
D3138	PMLL4148L	DIODE
D3368	PMLL4148L	DIODE
D3372	MA165TA5	DIODE
D3373	PMLL4148L	DIODE
D3374	PMLL4148L	DIODE
D3377	PMLL4148L	DIODE
D3382	MA165TA5	DIODE
D3383	PMLL4148L	DIODE
D3384	PMLL4148L	DIODE
D3387	PMLL4148L	DIODE
D3391	MA165TA5	DIODE
D3392	MA165TA5	DIODE
D3393	PMLL4148L	DIODE
D3394	PMLL4148L	DIODE
D3397	PMLL4148L	DIODE
D6101	TVSS1WBS10	DIODE
D6103	PMLL4148L	DIODE
D6106	PMLL4148L	DIODE
D6301	LN81RPHL	DIODE
D6381	PMLL4148L	DIODE
D6382	PMLL4148L	DIODE
D6391	PMLL4148L	DIODE
D6392	PMLL4148L	DIODE
D6491	PMLL4148L	DIODE
D6492	PMLL4148L	DIODE
D6591	PMLL4148L	DIODE
D6592	PMLL4148L	DIODE
D7000	TVSRM10B	DIODE
D7001	TVSRM10B	DIODE
D7002	TVSRM10B	DIODE
D7003	TVSRM10B	DIODE
D7004	TVSEH1V1	DIODE
D7005	EU02	DIODE
D7006	EG01CV0	DIODE
D7007	RU4AMLF-M1	DIODE
D7008	TVSEU2ZV1	DIODE
D7009	TVSEU2ZV1	DIODE
D7010	ERD32-02L7	DIODE
D7011	PMLL4148L	DIODE
D7012	PMLL4148L	DIODE
D7013	PMLL4148L	DIODE
D7014	PMLL4148L	DIODE
D7015	PMLL4148L	DIODE
D7016	PMLL4148L	DIODE
D7017	PMLL4148L	DIODE
D7018	PMLL4148L	DIODE
D7019	PMLL4148L	DIODE
D7020	PMLL4148L	DIODE
D7021	PMLL4148L	DIODE
D7022	MA4075	DIODE
D7024	PMLL4148L	DIODE
D7025	PMLL4148L	DIODE

FUSES

F547	TR5-T2000	FUSE
F656	TR5-T1250	FUSE
F661	TR5-T2000	FUSE
F671	TR5-T2000	FUSE
F6811	2153.15H	FUSE
F68111	EYF52BC	FUSE HOLDER
F68112	EYF52BC	FUSE HOLDER

INTEGRATED CIRCUITS

I466	LA4282	AUDIO OUTPUT
I561	TDA8175-3	VERTICAL OUTPUT
I611	TDA4605-3	SWITCHABLE POWER SUPPLY
I646	L78M09MRB	9V REGULATOR
I661	LM317T	12V REGULATOR
I676	TL431ACLPM	COIL
I1011	TEA6420/L	AUDIO SWITCH
I1111	TEA6415B	VIDEO SWITCH
I1301	MSP3410-15	AUDIO PROCESSOR
I1351	AN78L08TA	8V REGULATOR
I1751	81C1000A-70P	DRAM
I1981	MN1280R	RESET
I4700	LA7577N	V.I.F.
I4701	AN78N12	12V REGULATOR
I4702	TSA5514AT/C2	A.F.C. CONTROL
I6101	AN78L05TA	5V REGULATOR
I6301	RPM-637CBRS1	LED RECEIVER
I7000	STR10006-M	SWITCHABLE POWER SUPPLY
I7001	L78M12MRB	12V REGULATOR
I7002	AN79M12LB1	12V REGULATOR
I7003	L78M05MRB	5V REGULATOR
I7004	HEF4066BT-T	SWITCHING I.C.
I7005	51832AFL10EL	STATIC RAM
I7006	HEF4066BT-T	SWITCHING I.C.
I7007	HEF4066BT-T	SWITCHING I.C.
I7008	YSS215-F	DOLBY PROCESSOR
I7009	AN6554NSF-E2	OPERATIONAL AMPLIFIER
I7010	AN6554NSF-E2	OPERATIONAL AMPLIFIER
I7011	AN6554NSF-E2	OPERATIONAL AMPLIFIER
I7012	TEA6330T	VOLUME CONTROL
I7013	TEA6330T	VOLUME CONTROL
I7014	AN6554NSF-E2	OPERATIONAL AMPLIFIER
I7015	AN78L08TA	8V REGULATOR
I7016	SC419014FB	MICRO PROCESSOR
I7017	TDA7262	AUDIO OUTPUT
I7018	MN1280R	RESET

SOCKETS/TERMINALS/LINK WIRES

BC1	ERJ6GEY0R00	WIRE LINK
BC2	ERJ6GEY0R00	WIRE LINK
BC4	ERJ6GEY0R00	WIRE LINK
BC5	ERJ6GEY0R00	WIRE LINK
B11	ERJ6GEY0R00	WIRE LINK
B12	ERJ6GEY0R00	WIRE LINK
B15	ERJ6GEY0R00	WIRE LINK
B16	ERJ6GEY0R00	WIRE LINK
B17	ERJ6GEY0R00	WIRE LINK
B18	ERJ6GEY0R00	WIRE LINK
B19	ERJ6GEY0R00	WIRE LINK
H1871	832AG11D-ESL	I.C. SOCKET
JC1001	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1002	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1003	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1004	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1005	ERJ6GEY0R00	WIRE LINK
JC1006	ERJ6GEY0R00	WIRE LINK
JC1007	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1008	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1009	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1010	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1011	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1012	ERJ6GEY0R00	WIRE LINK
JC1013	ERJ6GEY0R00	WIRE LINK
JC1014	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1015	ERJ6GEY0R00	WIRE LINK
JC1016	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1017	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1018	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1019	ERJ6GEY0R00	WIRE LINK
JC1020	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1021	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1022	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1023	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1024	ERJ6GEY0R00	WIRE LINK
JC1025	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1026	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1027	ERJ6GEY0R00	WIRE LINK
JC1029	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1030	ERJ6GEY0R00	WIRE LINK
JC1031	ERJ6GEY0R00	WIRE LINK
JC1032	ERJ6GEY0R00	WIRE LINK
JC1033	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1034	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1035	ERJ6GEY0R00	WIRE LINK
JC1036	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1037	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1040	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1041	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1042	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1043	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1044	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1045	ERJ6GEY0R00	WIRE LINK
JC1047	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1048	ERJ6GEY0R00	WIRE LINK
JC1049	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1050	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1051	ERJ6GEY0R00	WIRE LINK
JC1052	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1053	ERJ8GEY0R00	METAL 0.125W 1% 0W



JC1054	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1055	ERJ6GEY0R00	WIRE LINK
JC1056	ERJ6GEY0R00	WIRE LINK
JC1057	ERJ6GEY0R00	WIRE LINK
JC1058	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1059	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1060	ERJ6GEY0R00	WIRE LINK
JC1061	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1062	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1064	ERJ6GEY0R00	WIRE LINK
JC1065	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1066	ERJ6GEY0R00	WIRE LINK
JC1067	ERJ6GEY0R00	WIRE LINK
JC1068	ERJ6GEY0R00	WIRE LINK
JC1069	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1070	ERJ6GEY0R00	WIRE LINK
JC1071	ERJ6GEY0R00	WIRE LINK
JC1072	ERJ6GEY0R00	WIRE LINK
JC1073	ERJ8GEY0R00	METAL 0.125W 1% 0W

JC1074	ERJ6GEY0R00	WIRE LINK
JC1075	ERJ6GEY0R00	WIRE LINK
JC1076	ERJ6GEY0R00	WIRE LINK
JC1077	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1078	ERJ6GEY0R00	WIRE LINK
JC1079	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1080	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1081	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1082	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1083	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1084	ERJ6GEY0R00	WIRE LINK
JC1085	ERJ6GEY0R00	WIRE LINK
JC1086	ERJ6GEY0R00	WIRE LINK
JC1087	ERJ6GEY0R00	WIRE LINK
JC1088	ERJ6GEY0R00	WIRE LINK
JC1089	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1090	ERJ6GEY0R00	WIRE LINK
JC1091	ERJ6GEY0R00	WIRE LINK
JC1092	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1093	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1094	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1095	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1096	ERJ6GEY0R00	WIRE LINK
JC1097	ERJ6GEY0R00	WIRE LINK
JC1098	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1099	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1100	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1101	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1102	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1103	ERJ6GEY0R00	WIRE LINK
JC1104	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1105	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1106	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1107	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1108	ERJ8GEY0R00	METAL 0.125W 1% 0W
JC1109	ERJ6GEY0R00	WIRE LINK
JC1112	ERJ6GEY0R00	WIRE LINK
JC1113	ERJ6GEY0R00	WIRE LINK
JC1115	ERJ6GEY0R00	WIRE LINK
JC1116	ERJ6GEY0R00	WIRE LINK
JC1117	ERJ6GEY0R00	WIRE LINK
JC1119	ERJ6GEY0R00	WIRE LINK
JK6401	TJB16656	A.V. TERMINAL
JS7002	ERJ6GEY0R00	WIRE LINK
J2	ERJ6GEY0R00	WIRE LINK
J12	EXCELSA39V	COIL
J23	EXCELSA39V	COIL
W1951	MKS165810808	CONNECTOR

COILS

L204	ELER220KA	COIL
L206	EXCELSA35T	COIL
L230	EXCELSA24T	COIL
L231	EXCELSA24T	COIL
L538	297-23293	COIL
L542	ELC08D055	COIL
L554	ELER220KA	COIL
L626	EXCELD35C	COIL
L650	EXCELD35C	COIL
L686	EXCELSA35T	COIL
L1037	TSC925-4	CHOKE
L1301	EXCELD35V	COIL
L1303	EXCELD35V	COIL
L1351	ELEV4R7KA	COIL
L1413	ELEV6R8KA	COIL
L1601	ELEV4R7KA	COIL
L1606	EXCELD35V	COIL
L1611	ELEV4R7KA	COIL
L1614	EXCELD35V	COIL
L1619	EXCELD35V	COIL
L1622	ELEV4R7KA	COIL
L1634	EXCEMT101BT	COIL
L1644	EXCEMT101BT	COIL
L1652	ELEV4R7KA	COIL
L1654	EXCEMT101BT	COIL
L1687	ELEMV1R5MA	COIL
L1691	EXCEMT101BT	COIL
L1692	EXCEMT101BT	COIL
L1693	EXCEMT101BT	COIL
L1694	EXCEMT101BT	COIL
L1701	ELEV4R7KA	COIL
L1714	EXCELD35V	COIL

L1751	EXCELD35V	COIL
L1801	ELEV4R7KA	COIL
L1837	EXCELD35V	COIL
L1845	ELEV3R3KA	COIL
L1857	ELEV3R3KA	COIL
L1859	ELEV3R3KA	COIL
L1871	EXCELD35V	COIL
L1878	ELEV3R3KA	COIL
L1888	ELEV4R7KA	COIL
L1931	ELEV4R7KA	COIL
L1941	EXCELD35V	COIL
L1972	EXCELD35V	COIL
L1974	EXCELD35V	COIL
L1977	EXCELD35V	COIL
L3161	SDL-4101	COIL
L3171	SDL-4101	COIL
L3181	SDL-4101	COIL
L4701	TLTR33K991R	COIL
L4703	TLTR39K991R	COIL
L4704	TLT022K991R	COIL
L4705	EIV7EN200B	COIL
L4706	EIV7EN201B	COIL
L4707	TLT100K991R	COIL
L4709	TLT181K991R	COIL
L6403	ELEBT6R8KA	COIL
L6404	ELEBT6R8KA	COIL
L6417	ELEBT6R8KA	COIL
L6447	ELEBT6R8KA	COIL
L6811	ELF18D424F	COIL
L6812	ELF18D424F	COIL
L7000	ELF18D281A	COIL
L7002	ELESN100KA	COIL
L7003	ELESN100KA	COIL
L7004	ELESN100KA	COIL
L7005	5770206400	COIL
L7006	5770206400	COIL

CONTROLS

P633	EVMEASA00B52	CONTROL 500W
P3362	RH092GDJ6J	VARIABLE RESISTOR
P3368	EVN65UA00B24	CONTROL 20KW
P4701	EVND4AA00B53	CONTROL 5KW

TRANSISTORS

Q463	BC557B	TRANSISTOR
Q465	BC547B	TRANSISTOR
Q494	BC547B	TRANSISTOR
Q496	BC547B	TRANSISTOR
Q497	BC557B	TRANSISTOR
Q498	BC547B	TRANSISTOR
Q526	2SD836-AL	TRANSISTOR
Q591	BC557B	TRANSISTOR
Q592	BC557B	TRANSISTOR
Q593	BC547B	TRANSISTOR
Q651	TFD312SOF632	DIODE
Q667	BC547B	TRANSISTOR
Q681	BC557B	TRANSISTOR
Q682	2SA1535LB	TRANSISTOR
Q1071	BC817-25	TRANSISTOR
Q1091	BC817-25	TRANSISTOR
Q1123	BC847B	TRANSISTOR
Q1163	BC847B	TRANSISTOR
Q1167	BC857B	TRANSISTOR
Q1172	BC847B	TRANSISTOR
Q1182	BC847B	TRANSISTOR
Q1192	BC847B	TRANSISTOR
Q1221	BC847B	TRANSISTOR
Q1222	BC847B	TRANSISTOR
Q1382	BC857B	TRANSISTOR
Q1466	BC860B	TRANSISTOR
Q1476	BC860B	TRANSISTOR
Q1486	BC860B	TRANSISTOR
Q1496	BC860B	TRANSISTOR
Q1609	BC847B	TRANSISTOR
Q1612	BC847B	TRANSISTOR
Q1631	BC847B	TRANSISTOR
Q1633	BC847B	TRANSISTOR
Q1636	BC857B	TRANSISTOR
Q1641	BC847B	TRANSISTOR
Q1643	BC847B	TRANSISTOR
Q1646	BC857B	TRANSISTOR
Q1651	BC847B	TRANSISTOR
Q1653	BC847B	TRANSISTOR
Q1656	BC857B	TRANSISTOR
Q1663	BC847B	TRANSISTOR
Q1664	BC847B	TRANSISTOR
Q1667	BC847B	TRANSISTOR
Q1673	BC847B	TRANSISTOR
Q1812	BC847B	TRANSISTOR
Q1816	BC847B	TRANSISTOR
Q1822	BC847B	TRANSISTOR
Q1824	BC847B	TRANSISTOR
Q1827	BC857B	TRANSISTOR
Q1831	BC847B	TRANSISTOR
Q3108	BC847B	TRANSISTOR
Q3109	BC847B	TRANSISTOR
Q3111	BC857B	TRANSISTOR
Q3122	BC847B	TRANSISTOR
Q3126	BC847B	TRANSISTOR

Q3127	BC857B	TRANSISTOR	R548	ERD25TJ223	CARBON	0.25W	5%	22KW	
Q3131	2SB940APLB	TRANSISTOR	R549	ERDS1TJ224	CARBON	0.5W	5%	220KW	
Q3136	2SD1264APLB	TRANSISTOR	R557	ERQ12HKR22	FUSIBLE	0.5W	5%	0R22W	▲
Q3143	BC847B	TRANSISTOR	R559	ERDS1TJ100	CARBON	0.5W	5%	10W	
Q3162	BC857B	TRANSISTOR	R561	ERQ12HJ1R5	FUSIBLE	0.5W	5%	1R5W	▲
Q3164	BC847B	TRANSISTOR	R563	ERD25TJ104	CARBON	0.25W	5%	100KW	
Q3166	BC857B	TRANSISTOR	R564	ERD25TJ223	CARBON	0.25W	5%	22KW	
Q3169	BC857B	TRANSISTOR	R566	ERD25TJ472	CARBON	0.25W	5%	4K7W	
Q3172	BC857B	TRANSISTOR	R567	ERD25TJ472	CARBON	0.25W	5%	4K7W	
Q3174	BC847B	TRANSISTOR	R568	ERD25TJ1R5	CARBON	0.25W	5%	1R5W	
Q3176	BC857B	TRANSISTOR	R572	ERO25CKF1801	METAL	0.25W	1%	1K8W	▲
Q3179	BC857B	TRANSISTOR	R573	ERO25CKF1801	METAL	0.25W	1%	1K8W	▲
Q3182	BC857B	TRANSISTOR	R592	ERD25TJ103	CARBON	0.25W	5%	10KW	
Q3184	BC847B	TRANSISTOR	R593	ERD25TJ103	CARBON	0.25W	5%	10KW	
Q3186	BC857B	TRANSISTOR	R598	ERD25TJ102	CARBON	0.25W	5%	1KW	
Q3189	BC857B	TRANSISTOR	R613	ERF10ZK5R6	WIRE	10W	5%	5R6W	▲
Q3359	BC847B	TRANSISTOR	R614	ERDS1TJ394	CARBON	0.5W	5%	390KW	
Q3368	2SB710A-XR	TRANSISTOR	R616	ERC12GK154D	SOLID	0.5W	5%	150KW	
Q3371	BC857B	TRANSISTOR	R619	232266296706	THERMISTOR				
Q3373	2SC4714RL2	TRANSISTOR	R621	ERG2FJ183	METAL	0.5W	5%	18KW	▲
Q3374	2SC3063RL	TRANSISTOR	R622	ERDS1TJ394	CARBON	0.5W	5%	390KW	
Q3377	2SA1698RL	TRANSISTOR	R623	ERD25TJ472	CARBON	0.25W	5%	4K7W	
Q3381	BC857B	TRANSISTOR	R624	ERD25TJ121	CARBON	0.25W	5%	120W	
Q3383	2SC4714RL2	TRANSISTOR	R625	ERC12GK154D	SOLID	0.5W	5%	150KW	
Q3384	2SC3063RL	TRANSISTOR	R626	ERG2FJ183	METAL	0.5W	5%	18KW	▲
Q3387	2SA1698RL	TRANSISTOR	R627	ERD25TJ103	CARBON	0.25W	5%	10KW	
Q3391	BC857B	TRANSISTOR	R628	ERG3FJ393	METAL	0.25W	5%	39KW	▲
Q3392	2SA1309ATA	TRANSISTOR	R629	ERG1ANJ470	METAL	1W	5%	47W	
Q3393	2SC4714RL2	TRANSISTOR	R630	ERD25TJ270	CARBON	0.25W	5%	27W	
Q3394	2SC3063RL	TRANSISTOR	R631	ERD25TJ101	CARBON	0.25W	5%	100W	
Q3397	2SA1698RL	TRANSISTOR	R632	ERO25CKF1400	METAL	0.25W	1%	140W	▲
Q4701	BC847B	TRANSISTOR	R633	ERO25CKF3921	METAL	0.25W	1%	3R92KW	▲
Q4702	BC847B	TRANSISTOR	R634	ERDS1TJ1R5	CARBON	0.5W	5%	1R5W	
Q4703	BC847B	TRANSISTOR	R636	ERD25TJ473	CARBON	0.25W	5%	47KW	
Q4704	BF370-126	TRANSISTOR	R651	ERDS1TJ474	CARBON	0.5W	5%	470KW	
Q4705	BF370-126	TRANSISTOR	R666	ERO25CKF3301	METAL	0.25W	1%	3K3W	▲
Q6111	BC847B	TRANSISTOR	R667	ERO25CKF3900	METAL	0.25W	1%	3R92KW	▲
Q6114	BC847B	TRANSISTOR	R668	ERD25TJ103	CARBON	0.25W	5%	10KW	
Q6403	BC847B	TRANSISTOR	R674	ERD25TJ223	CARBON	0.25W	5%	22KW	
Q6413	BC847B	TRANSISTOR	R675	ERD25TJ155	CARBON	0.25W	5%	1M5W	
Q6417	BC857B	TRANSISTOR	R676	ERO25CKF1002	METAL	0.25W	1%	10KW	▲
Q6433	BC847B	TRANSISTOR	R677	ERO25CKF1002	METAL	0.25W	1%	10KW	▲
Q6443	BC847B	TRANSISTOR	R678	ERD25TJ121	CARBON	0.25W	5%	120W	
Q6447	BC857B	TRANSISTOR	R680	ERQ12HJ1R5	FUSIBLE	0.5W	5%	1R5W	▲
Q7001	BC847B	TRANSISTOR	R681	ERDS1TJ4R7	CARBON	0.5W	5%	4R7W	
Q7002	BC847B	TRANSISTOR	R682	ERD25TJ222	CARBON	0.25W	5%	2K2W	
Q7003	BC847B	TRANSISTOR	R683	ERG3FJ101	METAL	3W	5%	100W	▲
Q7004	BC847B	TRANSISTOR	R684	ERD25TJ682	CARBON	0.25W	5%	6K8W	
Q7005	BC847B	TRANSISTOR	R1001	ERQ14AJ3R3	METAL	0.25W	5%	3R3W	▲
Q7007	BC847B	TRANSISTOR	R1011	ERQ14AJ100	METAL	0.25W	5%	10W	▲
Q7008	BC847B	TRANSISTOR	R1019	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
Q7009	BC847B	TRANSISTOR	R1020	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
Q7010	BC847B	TRANSISTOR	R1021	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KW	
Q7011	BC847B	TRANSISTOR	R1022	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KW	
Q7012	BC857B	TRANSISTOR	R1023	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
Q7013	BC857B	TRANSISTOR	R1024	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
			R1031	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KW	
			R1032	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KW	
			R1033	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
			R1034	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
			R1036	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
			R1038	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
			R1041	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
			R1042	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
			R1050	ERD50TJ102	CARBON	0.5W	5%	1KW	
			R1071	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KW	
			R1072	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
			R1073	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5W	
			R1074	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W	
			R1091	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KW	
			R1092	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
			R1093	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5W	
			R1094	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W	
			R1095	ERJ6GEYJ474	S.M.CARB	0.1W	5%	470KW	
			R1116	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW	
			R1117	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW	
			R1120	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
			R1121	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75W	
			R1122	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75W	
			R1123	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
			R1124	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150W	
			R1125	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150W	
			R1126	ERQ14AJ100	METAL	0.25W	5%	10W	▲
			R1127	ERJ6GEY0R00	WIRE LINK				
			R1131	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
			R1132	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	
			R1133	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	
			R1151	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75W	
			R1152	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW	
			R1153	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW	
			R1156	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47W	
			R1158	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
			R1159	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75W	
			R1161	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8W	
			R1162	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33KW	
			R1163	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W	
			R1166	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	
			R1167	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
			R1168	ERJ6GEYJ680	S.M.CARB	0.1W	5%	68W	
			R1169	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W	
			R1171	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75W	
			R1172	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
			R1173	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150W	
			R1174	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150W	
			R1177	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560W	

RESISTORS

RL6101	TSE10818	RELAY							
R201	ERD25TJ223	CARBON	0.25W	5%	22KW				
R206	ERG2ANJ223	METAL	2W	5%	22KW				
R259	ERD25TJ473	CARBON	0.25W	5%	47KW				
R462	ERD25TJ101	CARBON	0.25W	5%	100W				
R463	ERD25TJ103	CARBON	0.25W	5%	10KW				
R466	ERD25TJ153	CARBON	0.25W	5%	15KW				
R470	ERD25TJ560	CARBON	0.25W	5%	56W				
R471	ERD25TJ102	CARBON	0.25W	5%	1KW				
R472	ERD25TJ333	CARBON	0.25W	5%	33KW				
R473	ERD25TJ270	CARBON	0.25W	5%	27W				
R477	ERD25TJ684	CARBON	0.25W	5%	680KW				
R478	ERD25TJ332	CARBON	0.25W	5%	3K3W				
R479	ERDS1TJ2R2	CARBON	0.5W	5%	2.2W				
R480	ERD25TJ560	CARBON	0.25W	5%	56W				
R481	ERD25TJ102	CARBON	0.25W	5%	1KW				
R482	ERD25TJ333	CARBON	0.25W	5%	33KW				
R483	ERD25TJ270	CARBON	0.25W	5%	27W				
R484	ERD25TJ273	CARBON	0.25W	5%	27KW				
R485	ERD25TJ561	CARBON	0.25W	5%	560W				
R486	ERD25TJ333	CARBON	0.25W	5%	33KW				
R487	ERD25TJ684	CARBON	0.25W	5%	680KW				
R488	ERD25TJ332	CARBON	0.25W	5%	3K3W				
R489	ERDS1TJ2R2	CARBON	0.5W	5%	2.2W				
R490	ERD25TJ563	CARBON	0.25W	5%	56KW				
R491	ERQ14AJ100	METAL	0.25W	5%	10W	▲			
R492	ERD25TJ102	CARBON	0.25W	5%	1KW				
R493	ERD25TJ473	CARBON	0.25W	5%	47KW				
R494	ERD25TJ684	CARBON	0.25W	5%	680KW				
R496	ERD25TJ103	CARBON	0.25W	5%	10KW				
R497	ERD25TJ103	CARBON	0.25W	5%	10KW				
R498	ERD25TJ103	CARBON	0.25W	5%	10KW				
R499	ERD25TJ473	CARBON	0.25W	5%	47KW				
R521	ERQ14AJ3R3	METAL	0.25W	5%	3R3W	▲			
R526	ERD25TJ560	CARBON	0.25W	5%	56W				
R527	ERDS1TJ152	CARBON	0.5W	5%	1K5W				
R528	ERDS1TJ152	CARBON	0.5W	5%	1K5W				
R531	ERF10ZK6R8	WIRE	10W	5%	6R8W	▲			
R532	ERW2PKR56	WIRE	2W	10%	R56W	▲			
R533	ERDS1TJ220	CARBON	0.5W	5%	22W				
R541	ERG1ANJ152	METAL	1W	5%	1K5W				
R542	ERQ12AJ101	FUSABLE	0.5W	5%	100W	▲			
R543	ERD25TJ103	CARBON	0.25W	5%	10KW				
R546	ERDS1TJ184	CARBON	0.5W	5%	180K				

R1178	ERQ14AJ100	METAL	0.25W	5%	10W	▲	R1815	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R1181	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW		R1816	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KW
R1182	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W		R1819	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W
R1183	ERJ6GEYJ680	S.M.CARB	0.1W	5%	68W		R1821	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW
R1184	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW		R1822	ERJ6GEYJ392	S.M.CARB	0.1W	5%	3K9W
R1185	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150W		R1823	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W
R1191	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW		R1824	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KW
R1192	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W		R1825	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R1193	ERJ6GEYJ680	S.M.CARB	0.1W	5%	68W		R1826	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56KW
R1194	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW		R1827	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39KW
R1195	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75W		R1828	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W
R1221	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KW		R1829	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW
R1222	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KW		R1831	ERJ6GEYJ392	S.M.CARB	0.1W	5%	3K9W
R1225	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W		R1832	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W
R1237	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW		R1837	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6W
R1241	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW		R1838	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330W
R1242	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW		R1840	ERJ6GEY0R00	WIRE LINK			
R1251	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75W		R1842	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW
R1270	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47W		R1843	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W
R1271	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75W		R1844	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW
R1272	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75W		R1845	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47W
R1273	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47W		R1847	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW
R1276	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW		R1849	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W
R1277	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW		R1851	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W
R1281	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KW		R1856	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W
R1282	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W		R1857	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R1283	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KW		R1858	ERJ8GEYJ562	S.M.CAR	0.125W	5%	5K6W
R1284	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W		R1859	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R1349	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KW		R1863	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W
R1381	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KW		R1872	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W
R1382	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KW		R1873	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW
R1412	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W		R1878	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R1464	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W		R1879	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW
R1465	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18KW		R1882	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW
R1466	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W		R1884	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W
R1467	ERJ6GEY0R00	WIRE LINK					R1885	ERJ8GEY0R00	METAL	0.125W	1%	0W
R1474	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W		R1886	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W
R1476	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W		R1887	ERJ6GEY0R00	WIRE LINK			
R1477	ERJ6GEY0R00	WIRE LINK					R1888	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W
R1484	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W		R1889	ERJ8GEY0R00	METAL	0.125W	1%	0W
R1486	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W		R1891	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W
R1487	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W		R1893	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W
R1494	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W		R1897	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW
R1496	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W		R1920	ERJ8GEYJ472	S.M.CAR	0.125W	5%	4K7W
R1497	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W		R1921	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W
R1608	ERJ6GEY0R00	WIRE LINK					R1922	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820W
R1609	ERJ8GEYJ273	S.M.CARB	0.125W	5%	27KW		R1925	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330W
R1612	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W		R1933	ERJ6GEY0R00	WIRE LINK			
R1613	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56W		R1941	ERJ6GEY0R00	WIRE LINK			
R1614	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330W		R1953	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R1615	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220W		R1957	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R1616	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150W		R1958	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R1617	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33KW		R1959	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R1618	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150W		R1961	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R1619	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150W		R1962	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R1621	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW		R1963	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R1622	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW		R1964	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R1623	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12KW		R1983	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW
R1624	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33KW		R1993	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R1626	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150W		R3101	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6W
R1627	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75W		R3102	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6W
R1630	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W		R3103	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6W
R1631	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47W		R3106	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56KW
R1632	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390W		R3107	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W
R1633	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W		R3108	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W
R1634	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3W		R3109	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R1636	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75W		R3111	ERDS1FYJ222	CARBON	0.5W	5%	2K2W
R1637	ERJ8GEYJ471	S.M.CAR	0.125W	5%	470W		R3112	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5W
R1641	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820W		R3113	ERD25TJ681	CARBON	0.25W	5%	680W
R1642	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390W		R3121	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KW
R1643	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W		R3122	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W
R1644	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3W		R3123	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W
R1646	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75W		R3124	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680W
R1647	ERJ8GEYJ471	S.M.CAR	0.125W	5%	470W		R3126	ERJ6GEYJ122	S.M.CARB	0.1W	5%	1K2W
R1652	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390W		R3127	ERQ14AJ100	METAL	0.25W	5%	10W
R1653	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W		R3128	ERQ14AJ820	METAL	0.25W	5%	82W
R1654	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3W		R3129	ERQ14AJ820	METAL	0.25W	5%	82W
R1656	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75W		R3130	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10W
R1657	ERJ8GEYJ471	S.M.CAR	0.125W	5%	470W		R3131	ERD25TJ563	CARBON	0.25W	5%	56KW
R1661	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W		R3132	ERD25TJ122	CARBON	0.25W	5%	1K2W
R1664	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W		R3133	ERD25TJ2R7	CARBON	0.25W	5%	2R7W
R1666	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W		R3134	ERDS1FVJ390	CARBON	0.5W	5%	39W
R1667	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW		R3135	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10W
R1669	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W		R3136	ERD25TJ563	CARBON	0.25W	5%	56KW
R1671	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W		R3137	ERD25TJ122	CARBON	0.25W	5%	1K2W
R1672	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W		R3138	ERD25TJ2R7	CARBON	0.25W	5%	2R7W
R1673	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W		R3139	ERDS1FVJ390	CARBON	0.5W	5%	39W
R1674	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W		R3141	ERDS1FYJ101	CARBON	0.5W	5%	100W
R1681	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W		R3142	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W
R1682	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KW		R3143	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W
R1683	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW		R3144	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680W
R1691	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75W		R3146	ERDS1FYJ181	CARBON	0.5W	5%	180W
R1692	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75W		R3152	ERQ12HJ102	METAL	0.5W	5%	1KW
R1693	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75W		R3153	ERQ14AJ3R9	FUSIBLE	0.25W	5%	3R9W
R1694	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75W		R3160	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10W
R1696	ERJ8GEYJ103	S.M.CAR	0.125W	5%	10KW		R3161	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW
R1698	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W		R3162	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW
R1717	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW		R3163	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3W
R1718	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW		R3164	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W
R1753	ERJ6GEY0R00	WIRE LINK					R3166	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W
R1807	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W		R3167	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W
R1808	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W		R3168	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW
R1809	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W		R3169	ERJ6GEYJ122	S.M.CARB	0.1W	5%	1K2W
R1811	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W		R3170	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10W
R1812	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W		R3171	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW

R3172	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	R6301	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R3173	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3W	R6302	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R3174	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W	R6305	ERJ6GEY0R00	WIRE LINK			
R3176	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W	R6401	ERD25TJ220	CARBON	0.25W	5%	22W
R3177	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W	R6402	ERD25TJ220	CARBON	0.25W	5%	22W
R3178	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	R6403	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW
R3179	ERJ6GEYJ122	S.M.CARB	0.1W	5%	1K2W	R6404	ERJ6GEY0R00	WIRE LINK			
R3180	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10W	R6405	ERJ6GEY0R00	WIRE LINK			
R3181	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	R6406	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW
R3182	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	R6407	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W
R3183	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3W	R6408	ERJ6GEY0R00	WIRE LINK			
R3184	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W	R6411	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KW
R3186	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W	R6412	ERJ6GEYJ273	S.M.CARB	0.1W	5%	27KW
R3187	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W	R6413	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW
R3188	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	R6416	ERD25TJ101	CARBON	0.25W	5%	100W
R3189	ERJ6GEYJ122	S.M.CARB	0.1W	5%	1K2W	R6417	ERD25TJ101	CARBON	0.25W	5%	100W
R3307	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	R6418	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10W
R3308	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	R6433	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW
R3309	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	R6436	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW
R3354	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	R6437	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W
R3358	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10W	R6438	ERJ6GEY0R00	WIRE LINK			
R3359	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W	R6441	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KW
R3361	ERQ12HJR39	METAL	0.5W	5%	0R39W	R6442	ERJ6GEYJ273	S.M.CARB	0.1W	5%	27KW
R3365	ERD25TJ220	CARBON	0.25W	5%	22W	R6443	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW
R3366	ERQ12AJ101	FUSABLE	0.5W	5%	100W	R6446	ERD25TJ101	CARBON	0.25W	5%	100W
R3367	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	R6447	ERD25TJ101	CARBON	0.25W	5%	100W
R3368	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R6448	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10W
R3369	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8W	R6811	ERC12ZGK335D	SOLID	0.5W	10%	3M3W
R3370	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10W	R7000	ERDS1TJ184	CARBON	0.5W	5%	180KW
R3371	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7W	R7001	ERF5ZJ220	WIRE	5W	5%	22W
R3372	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3W	R7002	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW
R3373	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5W	R7003	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW
R3374	ERDS1TJ913	CARBON	0.5W	5%	91KW	R7004	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW
R3375	ERG2ANJ183	METAL	2W	5%	18KW	R7005	ERDS1TJ154	CARBON	0.5W	5%	150KW
R3376	ERD25TJ561	CARBON	0.25W	5%	560W	R7006	ERW12PKR33	WOUND	0.5W	10%	0R33W
R3379	ERD25TJ103	CARBON	0.25W	5%	10KW	R7007	ERG1SJ330	METAL	1W	5%	33W
R3380	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10W	R7008	ERG1SJ101	METAL	1W	5%	100W
R3381	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7W	R7009	ERD2FCJ4R7	CARBON	2W	2%	4R7W
R3382	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3W	R7010	ERG5SJS473	METAL	5W	5%	47KW
R3383	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5W	R7011	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW
R3384	ERDS1TJ913	CARBON	0.5W	5%	91KW	R7012	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW
R3385	ERG2ANJ183	METAL	2W	5%	18KW	R7013	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW
R3386	ERD25TJ561	CARBON	0.25W	5%	560W	R7014	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW
R3389	ERD25TJ103	CARBON	0.25W	5%	10KW	R7015	ERJ6GEYJ105	S.M.CARB	0.1W	5%	1MW
R3390	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10W	R7016	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW
R3391	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7W	R7017	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW
R3392	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3W	R7018	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KW
R3393	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5W	R7019	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KW
R3394	ERDS1TJ913	CARBON	0.5W	5%	91KW	R7020	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW
R3395	ERG2ANJ183	METAL	2W	5%	18KW	R7021	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R3396	ERD25TJ561	CARBON	0.25W	5%	560W	R7022	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R3397	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6W	R7023	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R3399	ERD25TJ103	CARBON	0.25W	5%	10KW	R7024	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R4701	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W	R7025	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R4702	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	R7026	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R4703	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6W	R7027	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R4705	ERJ6GEY0R00	WIRE LINK				R7028	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R4707	ERJ6GEYJ683	S.M.CARB	0.1W	5%	68KW	R7029	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R4708	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KW	R7030	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R4709	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	R7031	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R4710	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180W	R7032	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KW
R4711	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120W	R7033	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KW
R4713	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W	R7034	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56KW
R4714	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W	R7035	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56KW
R4715	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680W	R7036	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56KW
R4716	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W	R7037	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56KW
R4717	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3W	R7038	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56KW
R4718	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7039	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56KW
R4719	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33KW	R7040	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W
R4720	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8W	R7041	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R4721	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3W	R7042	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R4722	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7043	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R4726	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7044	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R4727	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7045	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R4728	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7046	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R4729	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7047	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R4730	ERJ6GEY0R00	WIRE LINK				R7048	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R4735	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330W	R7049	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R4736	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330W	R7050	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R4737	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7051	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R4738	ERJ6GEY0R00	WIRE LINK				R7052	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R4739	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7053	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R4743	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8W	R7054	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R4744	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220W	R7055	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R4745	ERJ6GEY0R00	WIRE LINK				R7056	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W
R4746	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7057	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KW
R4747	ERJ6GEY0R00	WIRE LINK				R7058	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W
R4748	ERJ6GEY0R00	WIRE LINK				R7059	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KW
R4750	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KW	R7060	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW
R4751	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56KW	R7061	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW
R4752	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	R7062	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW
R4753	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120W	R7063	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R4754	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270W	R7064	ERJ6GEYJ105	S.M.CARB	0.1W	5%	1MW
R4755	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	R7065	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56KW
R4756	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3W	R7066	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56KW
R4757	ERJ6GEYJ122	S.M.CARB	0.1W	5%	1K2W	R7067	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW
R4758	ERJ6GEY0R00	WIRE LINK				R7068	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW
R4759	ERJ6GEY0R00	WIRE LINK				R7069	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R4760	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120W	R7070	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R4771	ERJ6GEY0R00	WIRE LINK				R7071	ERJ6GEYJ220	S.M.CARB	0.1W	5%	22W
R6102	ERD25TJ151	CARBON	0.25W	5%	150W	R7072	ERJ6GEYJ105	S.M.CARB	0.1W	5%	1MW
R6111	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7073	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW
R6112	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7074	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW
R6113	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W	R7075	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW
R6114	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	R7076	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW

R7077	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7149	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW
R7078	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7150	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7W
R7079	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W	R7151	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW
R7080	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7152	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W
R7081	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	R7153	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W
R7082	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	R7154	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W
R7083	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W	R7155	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R7084	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7156	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R7085	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7157	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R7086	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7158	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56KW
R7087	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7159	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56KW
R7088	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7160	ERD2FCJ4R7	CARBON	2W	2%	4R7W
R7089	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7161	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W
R7090	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7162	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W
R7091	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W	R7163	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W
R7092	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KW	R7164	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W
R7093	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7165	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3W
R7094	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7166	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3W
R7095	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7167	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW
R7096	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7169	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW
R7097	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KW	R7170	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW
R7098	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7171	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW
R7099	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7172	ERJ6GEYJ105	S.M.CARB	0.1W	5%	1MW
R7100	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7173	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW
R7101	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7174	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R7102	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KW	R7175	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KW
R7103	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7176	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KW
R7104	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7177	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10W
R7105	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7178	TSF19252	FS LINK			▲
R7106	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7179	TSF19252	FS LINK			▲
R7107	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7180	TSF19252	FS LINK			▲
R7108	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	R7181	TSF19632	FS LINK			▲
R7109	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW						
R7110	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW						
R7111	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW						
R7112	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW						
R7113	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW						
R7114	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW						
R7115	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW						
R7116	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW						
R7117	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW						
R7118	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW						
R7119	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW						
R7120	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW						
R7121	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW						
R7122	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56W						
R7123	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56W						
R7124	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W						
R7125	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W						
R7128	ERDS1TJ100	CARBON	0.5W	5%	10W						
R7129	ERDS1TJ100	CARBON	0.5W	5%	10W						
R7131	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW						
R7132	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW						
R7133	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW						
R7134	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW						
R7135	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW						
R7136	ERJ6GEYJ273	S.M.CARB	0.1W	5%	27KW						
R7137	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW						
R7138	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW						
R7139	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW						
R7140	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W						
R7141	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW						
R7142	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W						
R7143	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW						
R7144	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W						
R7145	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW						
R7146	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56KW						
R7147	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56KW						
R7148	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW						

PARTS FOR TX-29AD1DP ONLY

MISCELLANEOUS COMPONENTS

2)	TKU8E00156	REAR COVER		▲
3)	TKY8E031	CABINET		▲
4)	A68ESF002X11	CRT		
6)	TLK8E05116	DEGAUSS COIL		
7)	TNP117037AC	Y P.C.B.		▲
9)	TNP197087	E P.C.B.		▲
10)	TNP117034AF	A P.C.B.		▲
13)	TMX8E005	CHASSIS FRAME		
15)	TKP8E1126	DOLBY PANEL		
16)	EAGG1201D2	SPEAKER		
	TPC8E4447	OUTER CARTON		
	TS2760	TV STAND		
	TKP8E1109	A.V. DOOR		
PK402	TKP8E1111	FRONT PANEL (LEFT)		

CAPACITORS

C201	ECA1HFQ101	CAPACITOR		
C501	ECKC1H103JB	CERAMIC	50V	10nF
C511	ECQM1H393J	FILM	50V	39nF

SWITCHES

SW7001	TSE10341	SWITCH	
S6304	EVQPB105K	SWITCH	
S6305	EVQPB105K	SWITCH	
S6306	EVQPB105K	SWITCH	
S6307	EVQPB105K	SWITCH	
S6308	EVQPB105K	SWITCH	▲
S6811	ESB91232A	SWITCH	

TRANSFORMERS

T528	5270103200	TRANSFORMER	
T531	ZTFH65005A	TRANSFORMER	
T639	ETS39AH117AC	TRANSFORMER	
T6101	BV030-7395.0	TRANSFORMER	
T7000	ETS29AD2G7NC	TRANSFORMER	

FILTERS

X1321	TSS4004-B	CRYSTAL	
X1608	TSS2169-B	CRYSTAL	
X1854	TSS4007-B	CRYSTAL	
X4702	EFCV4155A3	CERAMIC FILTER	
X4704	J3352K	SAW FILTER	
X4706	EFCS6R0MW5	FILTER	
X7000	TAF10050	CRYSTAL	
X7001	TSS4007-B	CRYSTAL	

DIODES

D507	MA723TA5	DIODE	
D508	MA723TA5	DIODE	
D568	MA2100LFS	DIODE	

C534	ECWH12H562J	FILM	1250V	56nF	▲
C537	ECQF4273JZH	FILM	420V	73nF	
C541	ECWF2H105J	FILM	500V	1000nF	▲
C567	ECQB1H223K	FILM	50V	22nF	
C576	ECQM1H684J	FILM	50V	680nF	
C578	222236516154	FILM	160V	150nF	
C583	ECQB1H333J	FILM	50V	33nF	
C591	ECA1HW4R7UE	CAPACITOR			
C597	ECQB1H332K	FILM	50V	3.3nF	
C3167	ECUV1H100DCX	S.M. CAP	50V	10pF	
C3362	TACA1103P2KV	I.C.			
C3363	TACA1103P2KV	I.C.			
C3371	ECUV1H120JCX	S.M. CAP	50V	12pF	
C3381	ECUV1H080CCX	S.M. CAP	50V	80pF	
C3391	ECUV1H120JCX	S.M. CAP	50V	12pF	

INTEGRATED CIRCUITS

I1601	VDP3108-25	VIDEO PROCESSOR
I1701	TPU3040-18	TEXT PROCESSOR
I1801	CCU3000I-05	CENTRAL CONTROL UNIT
I1871	27C010-07A	EPROM
I1941	X24C16P-H1	EAROM

SOCKETS/TERMINALS/LINK WIRES

JC1114	ERJ8GEY0R00	METAL 0.125W 1% 0W
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COILS

L507	ELESN331KA	COIL
L511	297-23477	TRANSFORMER
L541	ELH5L7002	COIL
L594	297-017696	COIL

TRANSISTORS

Q506	2SK301TA	TRANSISTOR
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RESISTORS

R501	ERD25TJ470	CARBON	0.25W	5%	47W	
R507	ERD25TJ2R2	CARBON	0.25W	5%	2R2W	
R569	ERDS1TJ221	CARBON	0.5W	5%	220W	
R570	ERG2SJ102	METAL	2W	5%	1K0W	⚠
R574	ERW12PKR56	RESISTOR				
R576	ERD25TJ682	CARBON	0.25W	5%	6K8W	
R577	ERD25TJ822	CARBON	0.25W	5%	8K2W	
R578	ERD25TJ680	CARBON	0.25W	5%	68W	
R579	ERD25TJ332	CARBON	0.25W	5%	3K3W	
R583	ERD25TJ103	CARBON	0.25W	5%	10KW	
R584	ERO25CKF1002	METAL	0.25W	1%	10KW	⚠
R591	ERD25TJ472	CARBON	0.25W	5%	4K7W	
R594	ERD25TJ394	CARBON	0.25W	5%	390KW	
R595	ERD25TJ473	CARBON	0.25W	5%	47KW	
R596	ERD25TJ473	CARBON	0.25W	5%	47KW	
R597	ERD25TJ475	CARBON	0.25W	5%	4M7W	
R599	ERD25TJ103	CARBON	0.25W	5%	10KW	
R1386	ERJ6GEY0R00	WIRE LINK				
R3104	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W	
R3362	ERC12GK105D	SOLID	0.5W	10%	1MW	
R3364	ERC12GK821D	SOLID	0.5W	10%	820W	
R3377	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6W	
R3378	ERC12GK332V	RESISTOR				
R3387	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6W	
R3388	ERC12GK332V	RESISTOR				
R3398	ERC12GK332V	RESISTOR				

PARTS FOR TX-25AD1DP ONLY

MISCELLANEOUS COMPONENTS

2)	TKU8E00157	REAR COVER	⚠
3)	TKY8E032	CABINET	⚠
4)	A59EEH048201	C.R.T.	⚠
6)	TLK8E05115	DEGAUSSING COIL	
7)	TNP117037AB	Y P.C.B.	⚠
9)	TNP197087AC	E P.C.B.	⚠
10)	TNP117034AV	A P.C.B.	⚠
16)	EAGG1201C2	SPEAKER	
	TMW8E016	CONTROL BRACKET	
	TPC8E4469	OUTER CARTON	
	TS-2770	TV STAND	
PKN1	TMX8E005	CHASSIS FRAME	
	TKP8E1113	FRONT PANEL (LEFT)	
	TKP8E1125	PANEL	

CAPACITORS

C201	ECEA1CU330	ELECT	16V	33mF	⚠
C534	ECWH12H392J	CAPACITOR			
C537	ECQF4393JZH	CAPACITOR			
C539	ECKC3D681J	CERAMIC	2KV	680pF	⚠
C541	ECWF2H824J	CAPACITOR			⚠
C567	ECQB1H333J	FILM	50V	33nF	
C578	222236576104	FILM	760V	100nF	
C591	ECEA1HGE4R7	ELECT	50V	4.7mF	
C3167	ECUV1H080CCX	S.M. CAP	50V	80pF	
C3391	ECUV1H020CCX	S.M. CAP	50V	2pF	

INTEGRATED CIRCUITS

I1601	VDP3108	VIDEO PROCESSOR
I1701	TPU3040-12	TEXT PROCESSOR
I1801	CCU3000I-04	CENTRAL CONTROL UNIT
I1871	27C010-07A	EPROM
I1941	X24C16P-G1	EAROM

SOCKETS/TERMINALS/LINK WIRES

JC1114	ERJ6GEY0R00	WIRE LINK
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COILS

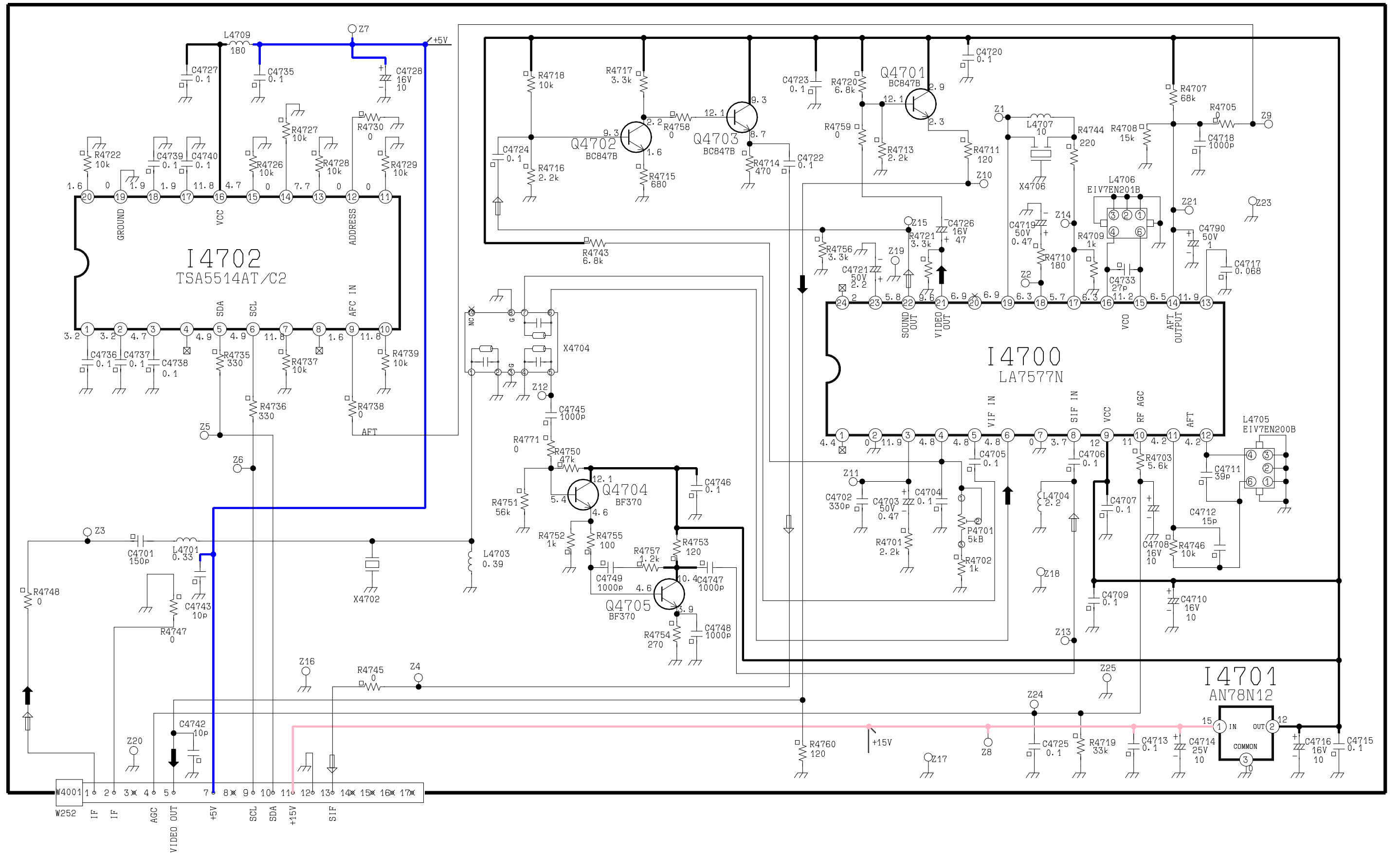
L201	ELER6R8KA	COIL
L541	ELH5L421	COIL
L594	297-23294	COIL

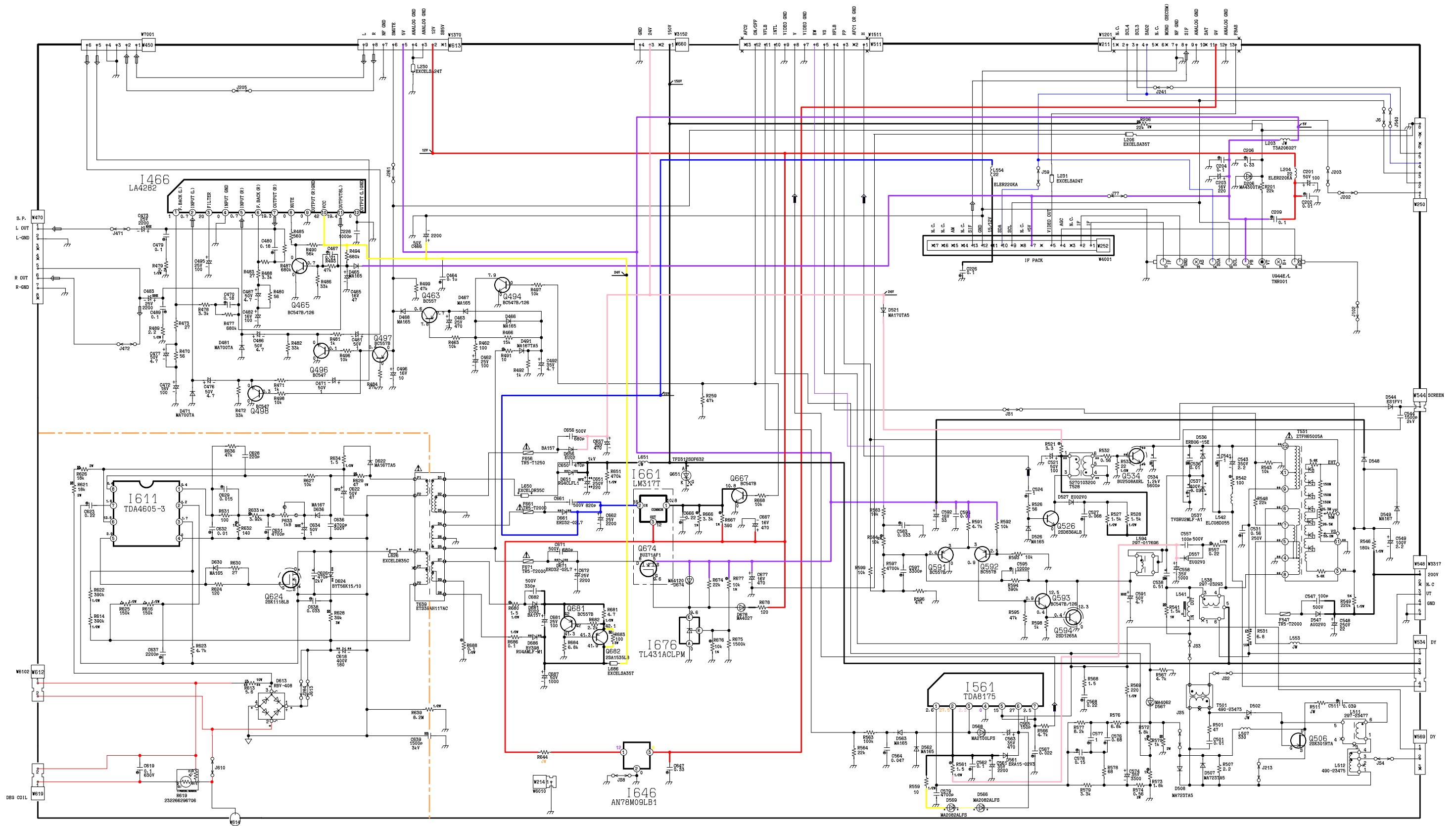
TRANSISTORS

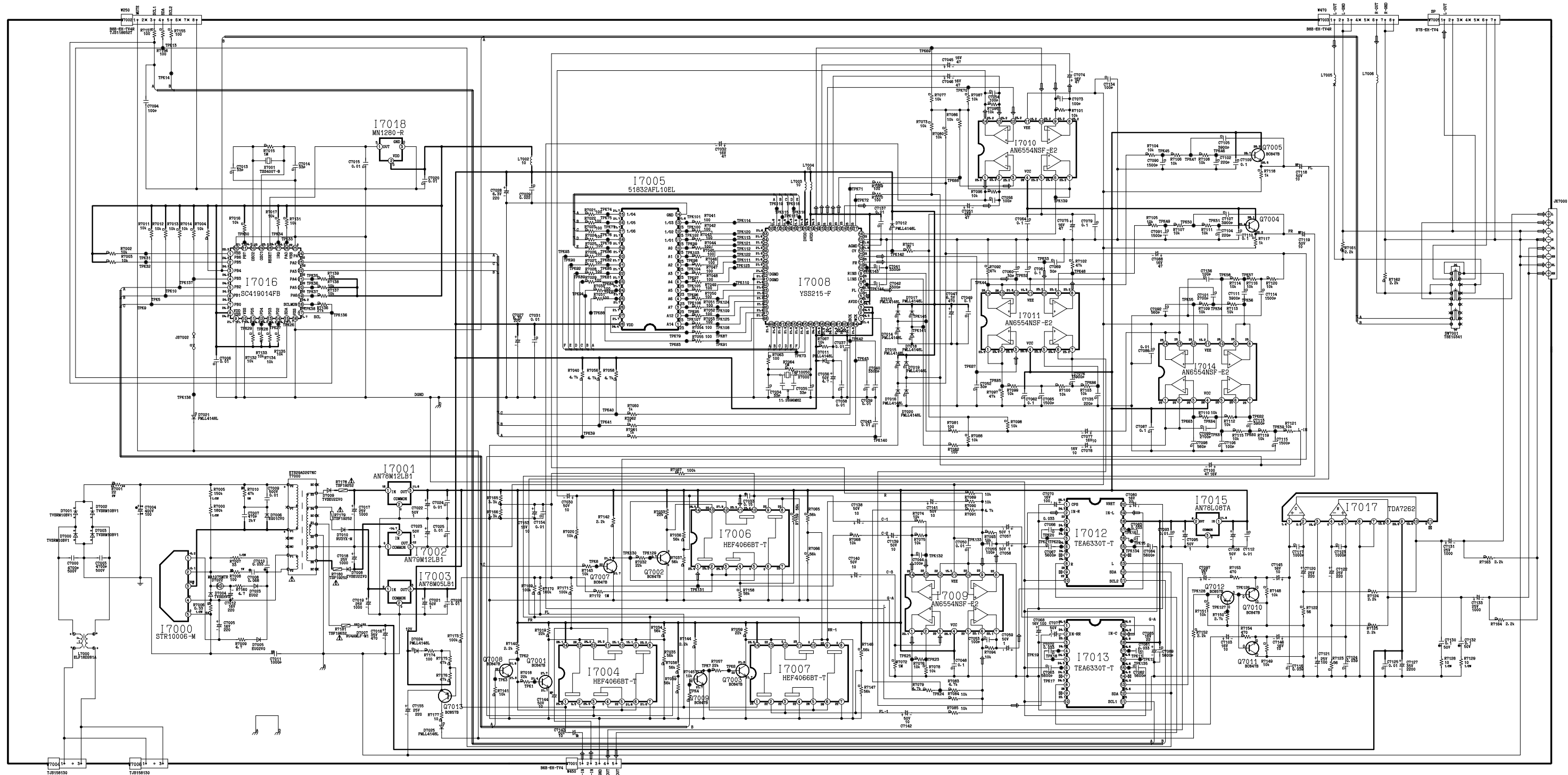
Q534	BU2508AXRL	TRANSISTOR
Q594	2SD1265A	TRANSISTOR
Q624	2SK1118LB	TRANSISTOR
Q674	BUZ71AF1	TRANSISTOR

RESISTORS

R569	ERDS1TJ821	CARBON	0.5W	5%	820\$	⚠
R574	ERW12PKR82	RESISTOR				
R576	ERD25TJ183	CARBON	0.25W	5%	18KW	
R577	ERD25TJ223	CARBON	0.25W	5%	22KW	
R578	ERD25TJ470	CARBON	0.25W	5%	47W	
R579	ERD25TJ103	CARBON	0.25W	5%	10KW	
R580	ERG1SJ561	METAL	1W	5%	560W	⚠
R581	ERG2FJ221	RESISTOR				
R583	ERD25TJ472	CARBON	0.25W	5%	4K7W	
R591	ERD25TJ102	CARBON	0.25W	5%	1KW	
R594	ERD25TJ104	CARBON	0.25W	5%	100KW	
R595	ERD25TJ472	CARBON	0.25W	5%	4K7W	
R596	ERD25TJ563	CARBON	0.25W	5%	56KW	
R639	ERD75TAJ825	CARBON	0.75W	5%	8M2W	⚠
R686	NKS2	FUSABLE	0.25W	5%	0.1W	
R688	NKS2	FUSABLE	0.25W	5%	0.1W	
R3104	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
R3360	ERC12GK225V	RESISTOR				
R3362	ERC12GK824V	RESISTOR				
R3364	ERC12GK105D	SOLID	0.5W	10%	1MW	
R3378	ERC12GK821D	SOLID	0.5W	10%	820W	
R3388	ERC12GK821D	SOLID	0.5W	10%	820W	
R3398	ERC12GK821D	SOLID	0.5W	10%	820W	

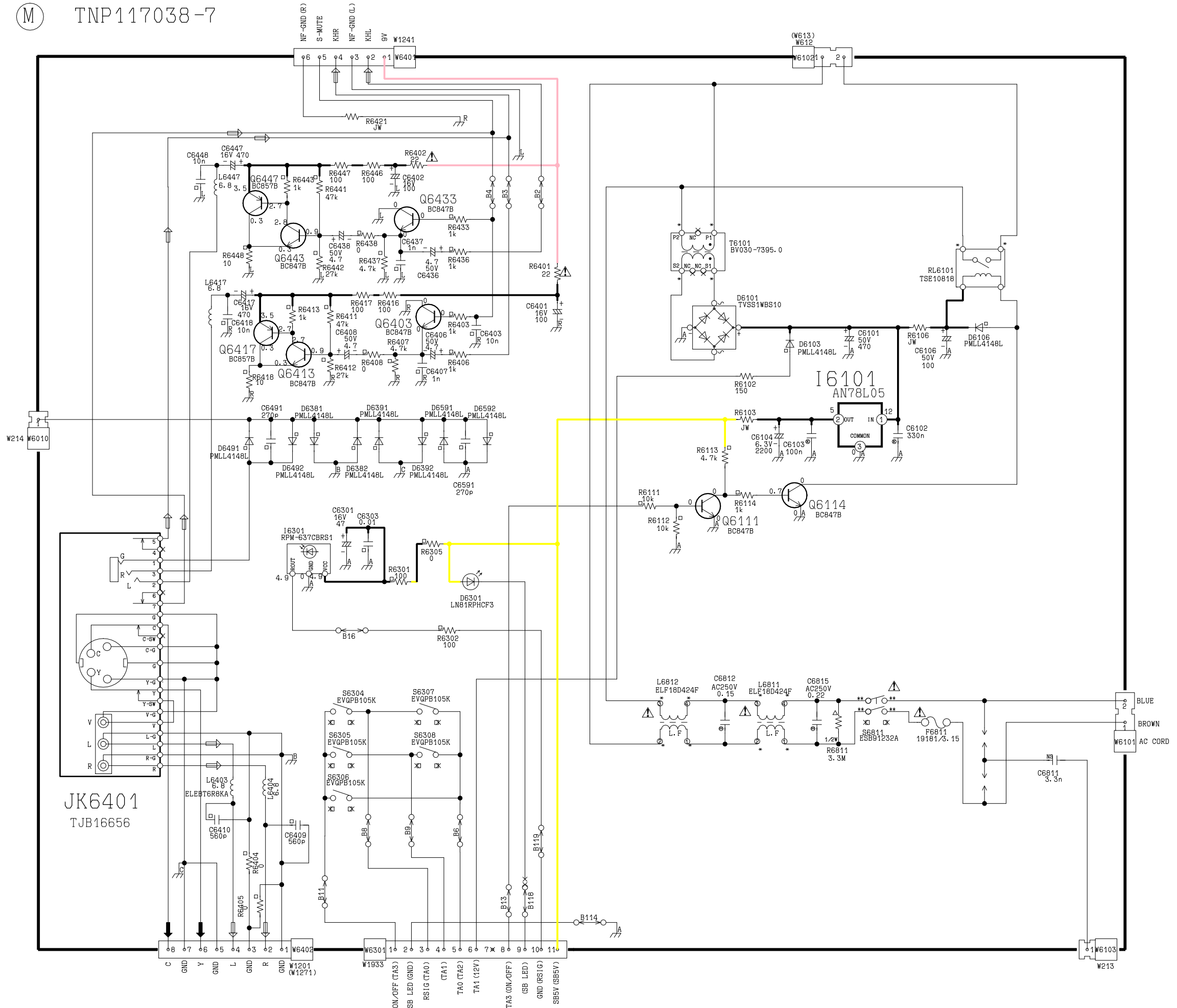


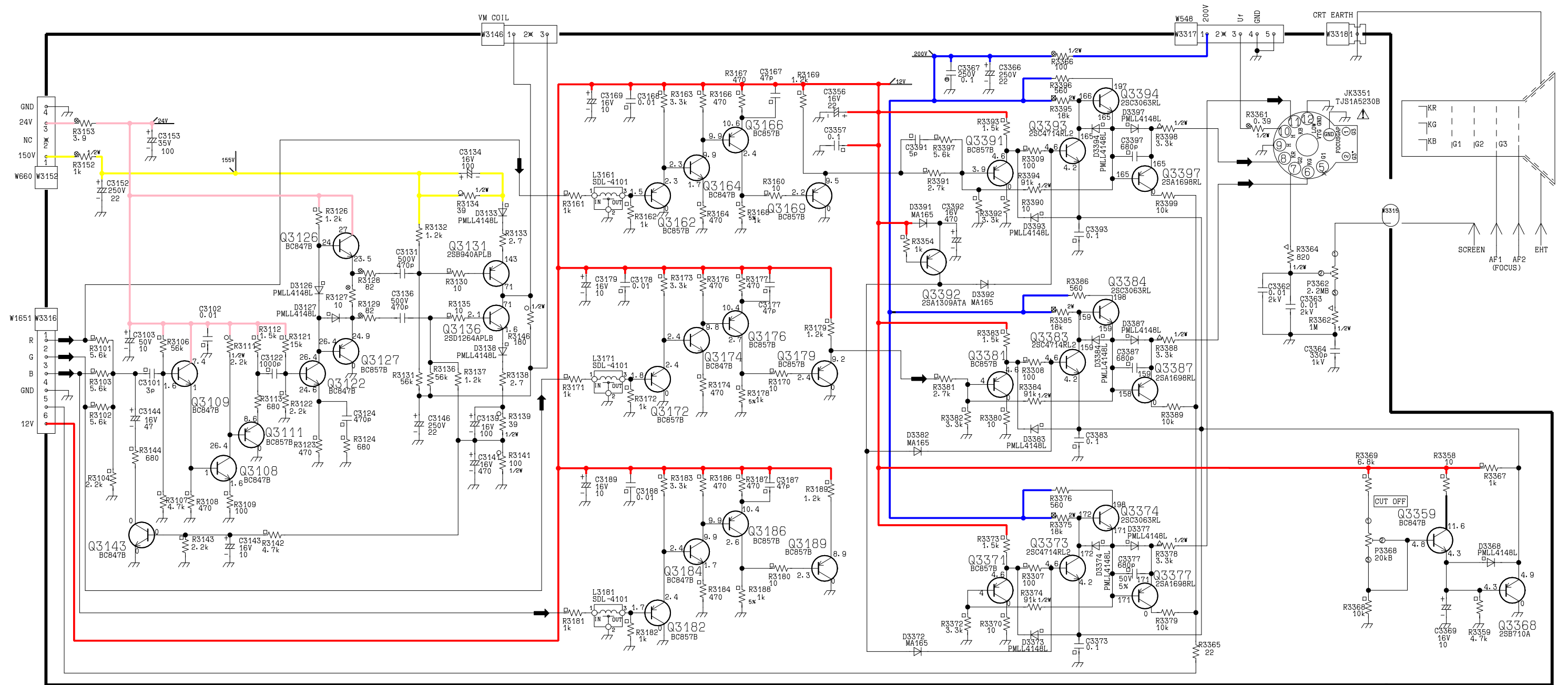


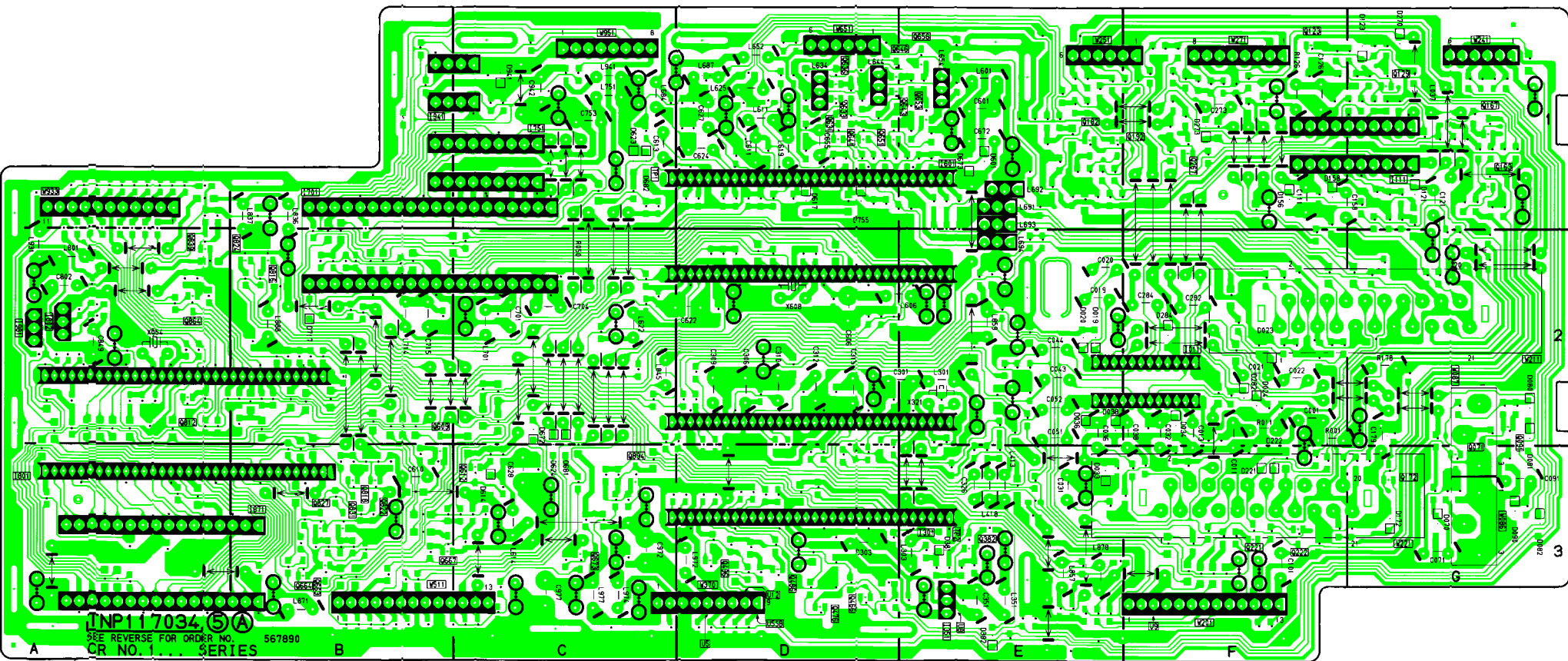


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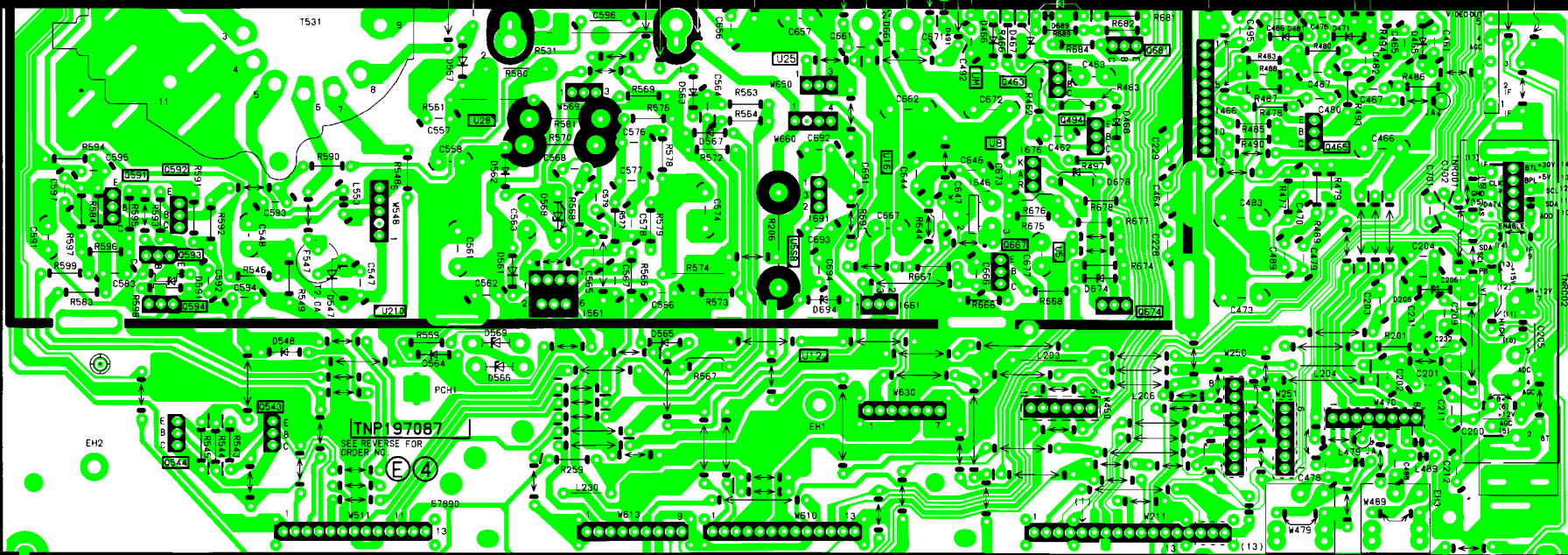
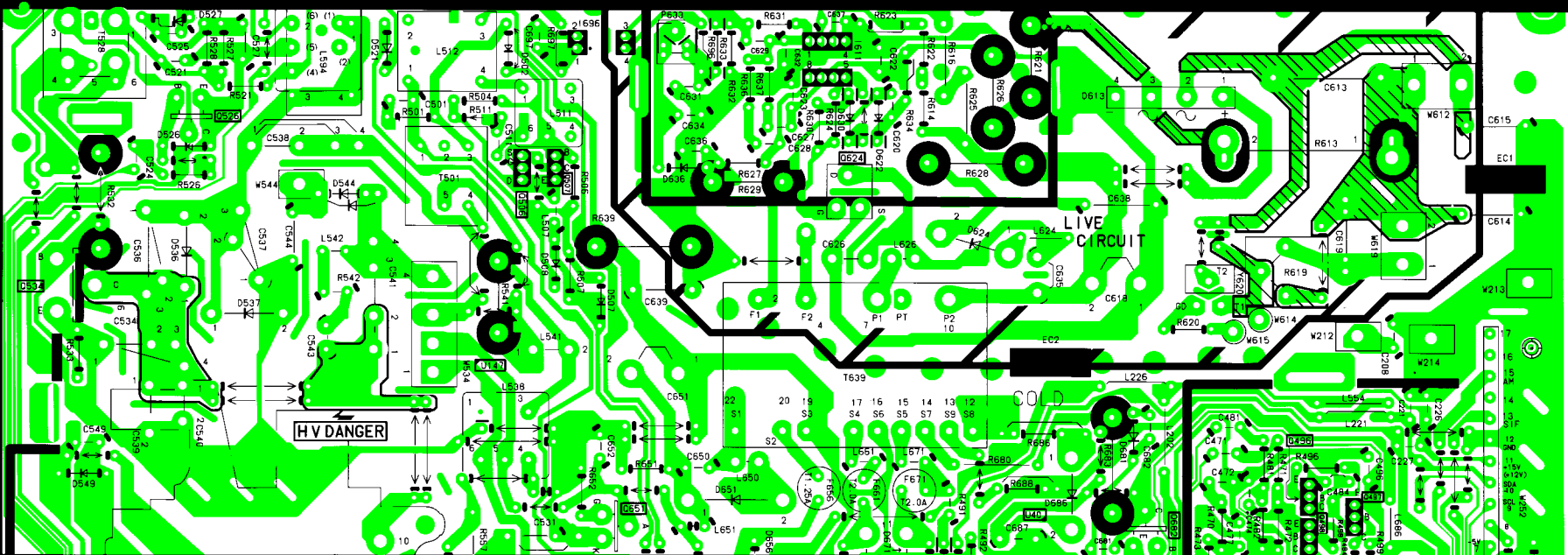
TNP117038-7

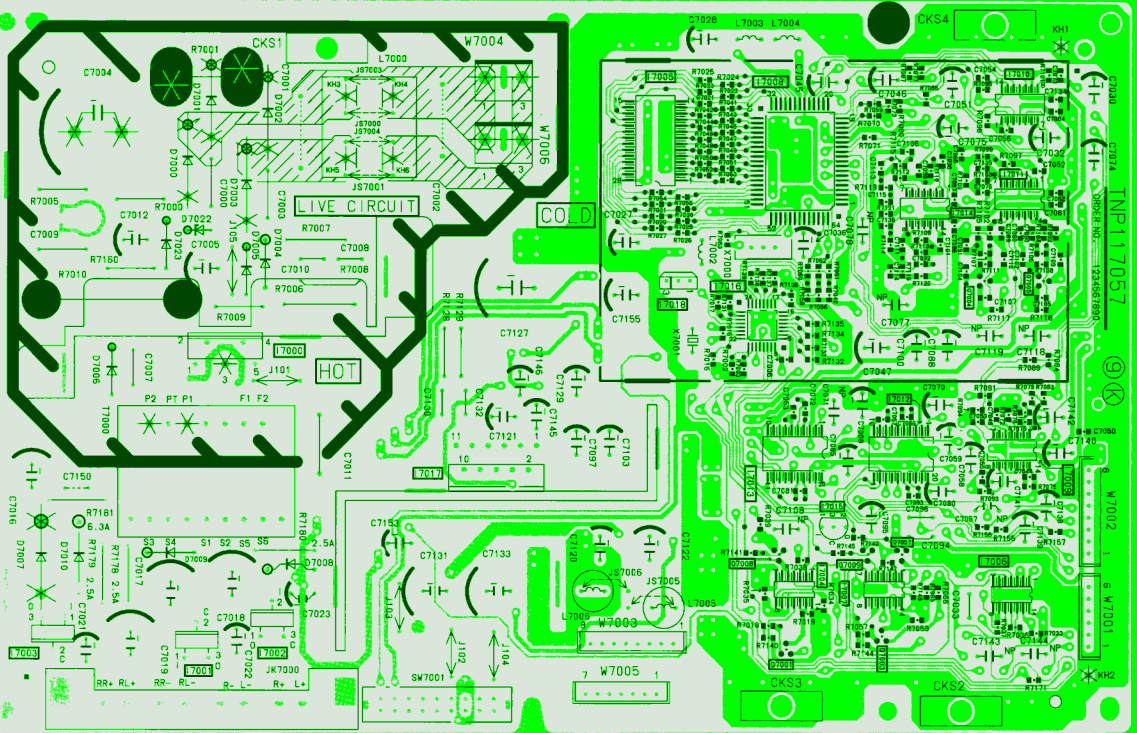


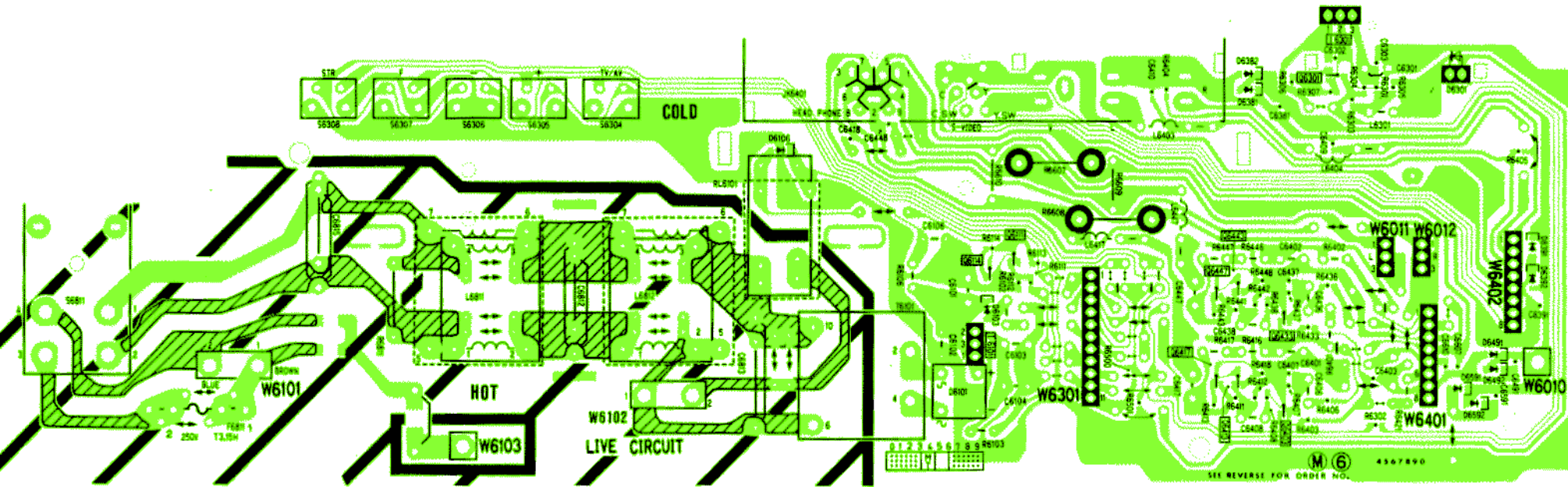




TNP117034, (5) (A)
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TNP117037

SEE REVERSE FOR ORDER NO.
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HIGH VOLTAGE
DANGER

CRNo.3...SERIES