

# TX-W32/28D3F Service Manual

Safety

Specifications

Parts List

Service  
Information

Adjustments

Self Check

Service Hints

Mechanical  
View

Disassembly

Location of  
Controls

Waveforms

Block Diagrams

Schematic Diagrams

PCB Views

## Service Support

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

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

For more details contact your local Panasonic company.

  
BACK

EXIT

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



## TELEVISORE A COLORI

# TX-W32D3F TX-W28D3F

## Telaio N. EURO-3HW

### Caratteristiche

(I numeri tra parentesi {} si riferiscono al modello TX-W28D3F)

<b>Alimentazione</b>	220-240V AC 50Hz
<b>Consumo :</b>	151W {149W}
<b>Consumo in Stand-by :</b>	1W
<b>Impedenza dell' antenna :</b>	75Ω non bilanciata
<b>Sistema di Ricezione:</b>	CCIR 625 Linee PAL I, B, G, D, K, H PAL-60 SECAM B, G, D, K, L/L'. M.NTSC NTSC (Solo ingresso AV)
<b>Canali Ricezione:</b>	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 (HYPER)
<b>Frequenze intermedie :</b>	
Video	38.9MHz, 34MHz
Audio	32.9MHz, 33.4 MHz 33.16 MHz, 32.4 MHz 40.4MHz, 34.05MHz, 33.05MHz 34.47MHz, 34.65MHz, 34.5MHz
Colore	

#### Prese Video / Audio :

AUDIO MONITOR USCITA	Audio(RCA x 2) 500mV rms, 1kΩ
INGRESSO AV1	Video (21 pin) 1V p-p 75Ω Audio (21 pin) 500mV rms, 10kΩ RGB (21 pin)

USCITA AV1	Video (21 pin) 1V p-p 75Ω Audio (21 pin) 500mV rms, 1kΩ
INGRESSO AV2	Video (21 pin) 1V p-p 75Ω Audio (21 pin) 500mV rms, 10kΩ S-Video IN Y: 1V p-p 75Ω (21 pin) C: 0.3V p-p 75Ω
USCITA AV2	Video (21 pin) 1V p-p 75Ω Audio (21 pin) 500mV rms, 1kΩ
INGRESSO AV3	Audio (RCA x 2) 500mV rms, 10kΩ Video (RCA x 1) 1V p-p 75Ω
AV4 INGRESSO	Video (21 pin) 1V p-p 75Ω Audio (21 pin) 500mV rms 10kΩ
AV4 USCITA	Video (21 pin) 1V p-p 75Ω Audio (21 pin) 500mV rms 1kΩ
<b>Tensione all' anodo :</b>	30.5kV ± 1 kV
<b>Tubo catodico :</b>	76cmV {66cmV}
<b>Potenza audio :</b>	
Altroparlanti interni	2 x 20W (Musicali) 8Ω Impedenza
<b>Cuffia</b>	8Ω Impedenza
<b>Accessori :</b>	Telecomando 2 x R6 (UM3) Batterie
<b>Dimensioni :</b>	
Altezza :	555mm {497mm}
Larghezza :	862mm {760mm}
Profondità :	553mm {518mm}
<b>Peso netto :</b>	52Kg {39.7Kg}

Le caratteristiche possono variare senza preavviso.  
Peso e dimensioni sono approssimate.

**NOTA :** Questo manuale di servizio deve essere usato in  
congiunzione con la guida tecnica del telaio EURO-3.

# Indice

- Norme Di Sicurezza .....
- Consigli Per L'assistenza .....
- Service Mode .....
- Procedura di Taratura .....
- Self Check .....
- Valori di allineamento .....
- Forma D' onda .....
- Schema a blocchi .....
- Ubicazioni Del Componenti .....
- Elenco Parti Di Ricambio .....
- Vista Lato Componenti .....
- Schema Elettrico .....

## Norme di sicurezza

### Precauzioni

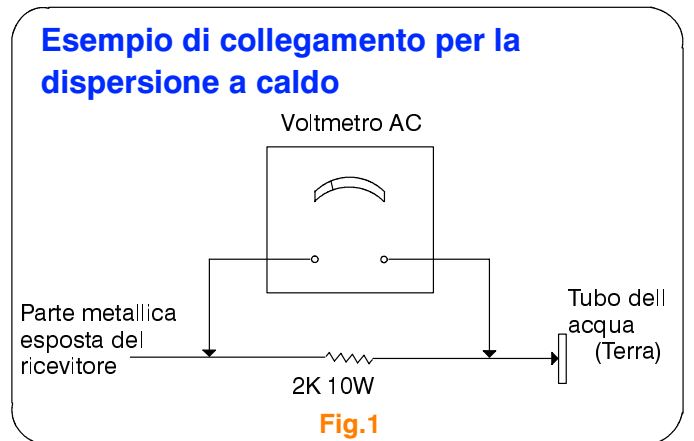
1. E' Consigliabile utilizzare un trasformatore di isolamento prima di eseguire ogni intervento sul telaio.
2. Durante l'assistenza, verificare lo stato dei conduttori specialmente nei circuiti ad alta tensione. In caso di corto circuito, sostituire tutti le parti surriscaldate o danneggiate.
3. Dopo l'assistenza, assicurarsi che tutti gli accorgimenti di protezione (isolatori, schermi, isolatore R-C, ecc) siano correttamente installati.
4. Quando il televisore non viene utilizzato per lunghi periodi, scollegarlo dalla rete.
5. Alta tensione 31.5kV è presente quando il televisore è in funzione. Utilizzare il televisore senza il pannello posteriore comporta il pericolo di scosse elettriche dai circuiti di alimentazione. L'assistenza deve essere eseguita solo da personale specializzato a conoscenza delle necessarie precauzioni da adottare. Prima di intervenire sul cinescopio, scaricare a massa l'anodo dello stesso.
6. Dopo l'assistenza assicurarsi di eseguire le seguenti prove di dispersione per prevenire rischi di scossa elettrica all'utente.
3. Utilizzare un voltmetro AC con sensibilità 1000Ω/Volt o più per misurare il potenziale ai capi della resistenza.
4. Verificare ogni parte metallica esterna misurando la tensione ogni volta.
5. Invertire la presa AC di alimentazione e ripetere le misure precedenti.
6. Il potenziale in ogni punto non deve superare 1.4V RMS; in caso superi questo valore, c'è pericolo di scossa elettrica e il televisore deve essere riparato e controllata prima di essere riconsegnato al proprietario.

### Controllo a freddo di dispersione

1. Disinserire il cavo di alimentazione e cortocircuitare i due terminali
2. Azionare l'interruttore di accensione.
3. Collegare uno strumento per la misure di resistenza con segur : un puntale sulla spina del cavo di alimentazione e l'altro sul telaio del televisore o su una parte metallica (ad esempio viti) collegate telaio. Se la parte metallica ha un collegamento col telaio la lettura dovrà essere compresa tra i valori 4MΩ e 20MΩ ; se la parte metallica non ha un collegamento con il telaio la lettura dovrà essere.

### Controllo a caldo di dispersione

1. Inserire la spina nella presa di corrente. Non usare un trasformatore di isolamento per questo controllo.
2. Collagare una resistenza da 2KΩ 10W in serie con una parte metallica esterna del televisore e con un punto di terra (esempio: tubi dell'acqua).



### Radiazioni raggi X

#### Precauzioni :

1. La sezione ad alta tensione e il cinescopio sono sorgenti di raggi X.
2. In caso di utilizzo di una sonda per alta tensione, assicurarsi che la stessa sopporti 31.5kV senza pericolo di emissione di raggi.

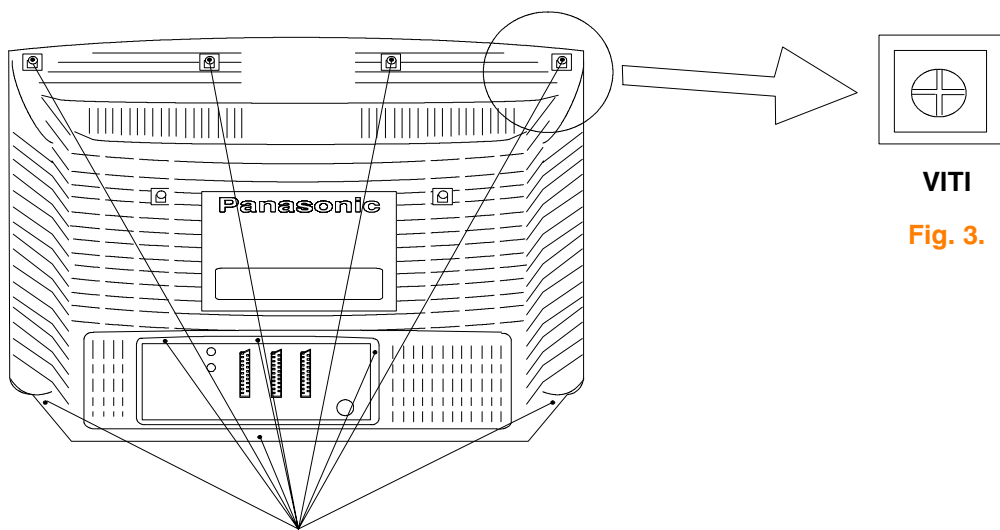
**NOTA :** E' importante verificare periodicamente la funzionalità del misuratore di tensione.

1. Regolare la luminosità al minimo.
2. Misurare l'alta tensione. La lettura dovrà essere 30.5kV ±1kV, (se è necessario un immediato intervento tecnico per prevenire danni).
3. Per prevenire la possibilità di emissione di raggi X, è indispensabile utilizzare il cinescopio specificato.

## Consigli per l'assistenza

### Come rimuovere il pannello posteriore

1. Rimuovere le 10 viti (A) come indicato in Fig.2./Fig.3.



VITI (A)

Fig. 2.

VITI

Fig. 3.

## Ubicazione dei Controlli

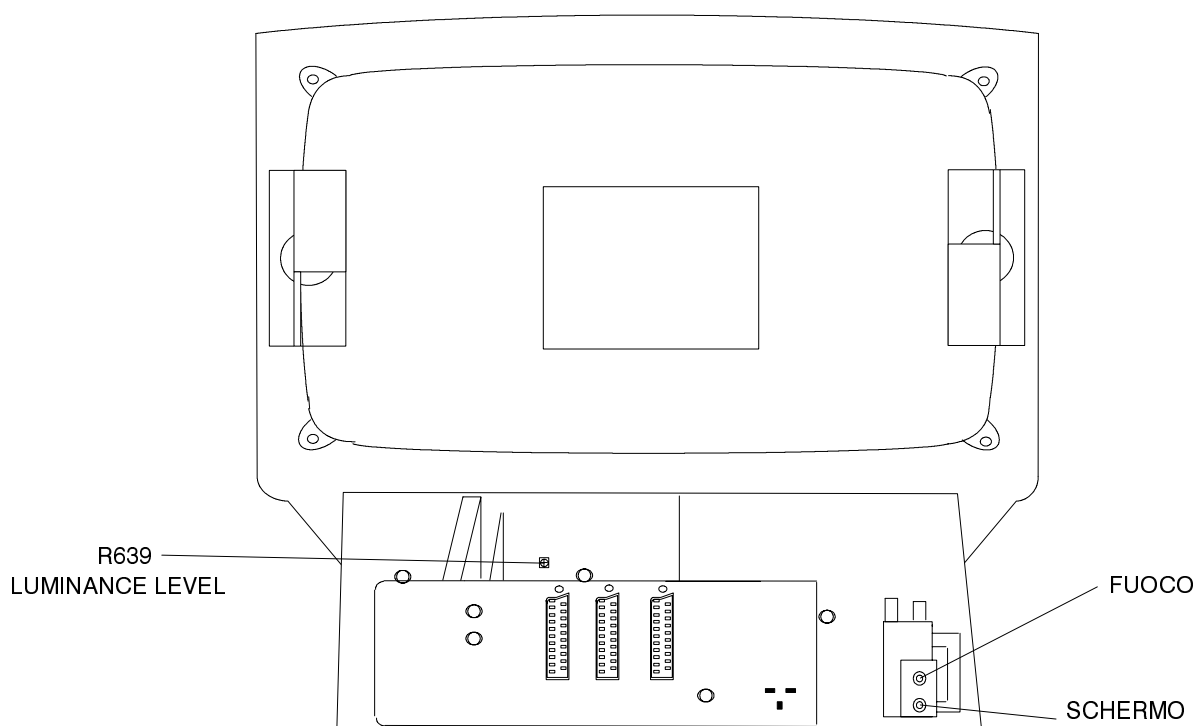


Fig. 4.

## Service Mode

Il telecomando serve anche per impostare e memorizzare le regolazioni con l'eccezione della regolazione di cut-off che deve essere sempre fatta precedentemente alle regolazioni di servizio.

Eseguire le regolazioni in accordo con il display sullo schermo. Il display sullo schermo mostra le variazioni approssimative della CCU.

1. Regolare i toni bassi nella massima posizione, regolare i toni alti nella minima posizione, premere il tasto volume meno sulla tastiera del TV, e nello stesso tempo premere il tasto "REVEAL" sul telecomando. Questo predisporrà il TV nel "SERVICE MODE 1"
2. Premere i tasti ROSSO o VERDE per selezionare le Funzioni.
3. Premere i tasti GIALLO o BLU per modificare i valori
4. Premere il tasto "STR" sulla tastiera del TV per memorizzare la regolazione eseguita.
5. Per uscire dal service mode occorre premere il tasto "N" sul telecomando.

**NOTA:** Questo TV ha l'opzione per utilizzare la "MEMORY PACK", che vi permette di trasferire i canali sintonizzati nel TV e viceversa. La "MEMORY PACK" si può utilizzare solo con il telaio "EURO-3HW".

## Come usare la memory pack

### Procedura da tv a unita' di memoria

1. Inserire l'unita' di memoria nella presa a 21 pin. Inferiore a tergo del TV, ed accendere il TV. Se il televisore e' provvisto di una sola presa a 21 pin., Utilizzare questa presa per l'unita' di memoria.
2. Entrare nel service mode come da spiegazione sopra riportata. Lo schermo visualizzera': -

Program  
External > > TV

3. Premere il tasto BLU sul telecomando; lo schermo TV visualizza: -

Program  
TV > > External

4. Premere il tasto STORE (archivio) sul TV; lo schermo TV visualizza: -

Storing

5. Tutti i dati di sintonia archiviati nel TV vengono trasferiti nell'unita di memoria. Questa procedura richiede 2-3 minuti, ed al termine lo schermo visualizza: -

OK!

### Procedura da unita' di memoria a tv

1. Inserire l'unita' di memoria nella presa a 21 pin. Inferiore a tergo del TV, ed accendere il TV. Se il televisore e' provvisto di una sola presa a 21 pin., Utilizzare questa presa per l'unita' di memoria.
2. Entrare nel service mode come da spiegazione sopra riportata. Lo schermo visualizzera': -

Program  
External > > TV

3. Premere il tasto STORE (archivio) sul TV; lo schermo TV visualizza: -

Loading

4. Tutti i dati di sintonia archiviati nell'unita' di memoria vengono copiati nel 'TV'. Questa procedura richiede 2-3 minuti, ed al termine lo schermo visualizza: -

OK!

5. I dati di sintonizzazione prelevati dall'unita' di memoria sono stati copiati nel TV.
6. Per uscire dal service mode occorre premere il tasto "N" sul telecomando.
7. La procedura e' terminata; rimuovere l'unita' di memoria.

## ERRORI

Se usando la "MEMORY PACK" avviene un errore il TV lo rilevera' e sullo schermo apparira' la scritta: -

Program  
Error!

Se questo succede, spegnere il TV e poi ripetere l'operazione. Se si ripete l'errore controllare i collegamenti e la batteria da 9Volt. Nella "MEMORY PACK".

## Procedura di taratura

TARATURE / PREPARAZIONE	REGOLAZIONI																																																																																						
<p><b>REGOLAZIONE +B</b></p> <p>1. Ricevere segnale a barre colori</p> <p>2. Predisporre i controlli:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">Luminosità</td> <td style="text-align: right;">minimo</td> </tr> <tr> <td>Contrasto</td> <td style="text-align: right;">minimo</td> </tr> <tr> <td>Volume</td> <td style="text-align: right;">minimo</td> </tr> </table>	Luminosità	minimo	Contrasto	minimo	Volume	minimo	<p>1. Confermare le seguenti alimentazioni.</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: left;"><b>E PCB</b></th> <th colspan="4" style="text-align: left;"><b>D PCB</b></th> </tr> </thead> <tbody> <tr> <td><b>U5B</b></td> <td>5</td> <td>±</td> <td>0.5V</td> <td><b>U5A</b></td> <td>5.1</td> <td>+</td> <td>0.12/-0.1V</td> </tr> <tr> <td><b>U8A</b></td> <td>8</td> <td>±</td> <td>0.5V</td> <td><b>U5SB</b></td> <td>5</td> <td>±</td> <td>0.25V</td> </tr> <tr> <td><b>U9</b></td> <td>9</td> <td>±</td> <td>0.5V</td> <td><b>TP1</b></td> <td>15</td> <td>±</td> <td>0.7V</td> </tr> <tr> <td><b>U12</b></td> <td>11.8</td> <td>±</td> <td>0.5V</td> <td><b>U16</b></td> <td>18.2</td> <td>±</td> <td>0.8V</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td><b>U22</b></td> <td>22.5</td> <td>±</td> <td>1V</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td><b>U38</b></td> <td>39</td> <td>±</td> <td>1V</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td><b>TP2</b></td> <td>54</td> <td>±</td> <td>2.5V</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td><b>U150</b></td> <td>150</td> <td>±</td> <td>1V</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td><b>U200</b></td> <td>200</td> <td>±</td> <td>10V</td> </tr> </tbody> </table>	<b>E PCB</b>				<b>D PCB</b>				<b>U5B</b>	5	±	0.5V	<b>U5A</b>	5.1	+	0.12/-0.1V	<b>U8A</b>	8	±	0.5V	<b>U5SB</b>	5	±	0.25V	<b>U9</b>	9	±	0.5V	<b>TP1</b>	15	±	0.7V	<b>U12</b>	11.8	±	0.5V	<b>U16</b>	18.2	±	0.8V					<b>U22</b>	22.5	±	1V					<b>U38</b>	39	±	1V					<b>TP2</b>	54	±	2.5V					<b>U150</b>	150	±	1V					<b>U200</b>	200	±	10V
Luminosità	minimo																																																																																						
Contrasto	minimo																																																																																						
Volume	minimo																																																																																						
<b>E PCB</b>				<b>D PCB</b>																																																																																			
<b>U5B</b>	5	±	0.5V	<b>U5A</b>	5.1	+	0.12/-0.1V																																																																																
<b>U8A</b>	8	±	0.5V	<b>U5SB</b>	5	±	0.25V																																																																																
<b>U9</b>	9	±	0.5V	<b>TP1</b>	15	±	0.7V																																																																																
<b>U12</b>	11.8	±	0.5V	<b>U16</b>	18.2	±	0.8V																																																																																
				<b>U22</b>	22.5	±	1V																																																																																
				<b>U38</b>	39	±	1V																																																																																
				<b>TP2</b>	54	±	2.5V																																																																																
				<b>U150</b>	150	±	1V																																																																																
				<b>U200</b>	200	±	10V																																																																																

## SELF CHECK

Il "SELF CHECK" è usato per testare automaticamente le linee "BUS" ed il codice esadecimale del TV

Pre entrare nel modo "SELF CHECK", premere il tasto volume meno sulla tastiera del TV, e contemporaneamente il tasto "STATUS" sul telecomando; sullo schermo apparirà la seguente lista: -

Quando si richiama il SELF-CHECK (AUTO-DIAGNOSI) il TV si resetterà ritornando alle condizioni di fabbrica, cancellando i canali sintonizzati del cliente -

						Hex codes				
						TX-W32D3F	TX-W28D3F			
0	ok	Test Byte	8	ok	Col Decoder (M)	16	--	Col Decoder (P)	49	09
1	ok	Lst Power	9	ok	Clock generator	17	--	Q - PIP	73	73
2	ok	U5 Det	10	ok	V - Processor	18	ok	Not Used	E5	E5
3	ok	Protector	11	ok	DFU	19	ok	Not Used	BF	BF
4	ok	Not Used	12	ok	Display Processor	20	ok	EAROM	BB	BB
5	ok	Not Used	13	ok	RGB Processor	21	ok	Audio Matrix	FB	FB
6	ok	Not Used	14	ok	Deflection IC	22	ok	Video Matrix	03	03
7	ok	Not Used	15	ok	MSP	23	ok	Tuner		

Se uno degli ingressi/uscite della "CCU" è riconosciuta come incorretta, sullo schermo apparirà " -- " invece di "OK".

## Valori di allineamento, esempi:

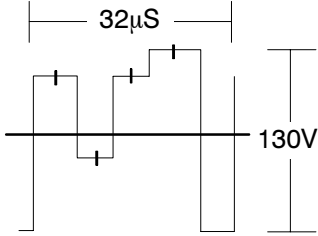
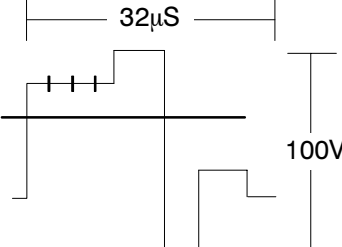
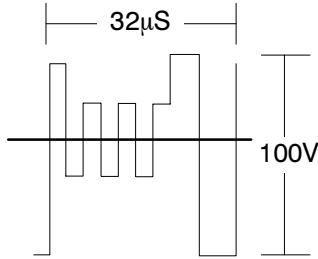
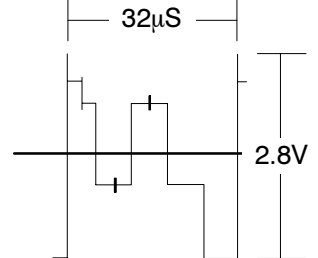
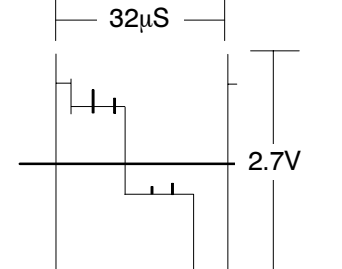
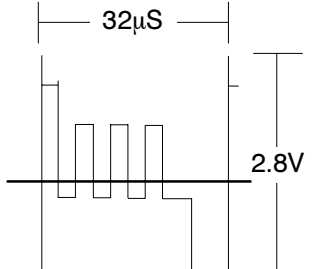
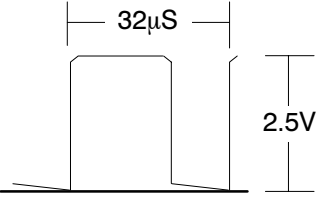
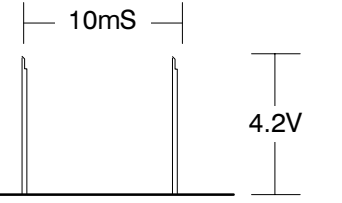
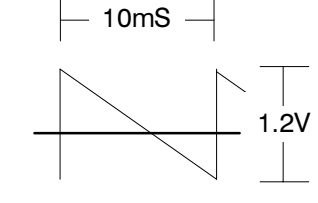
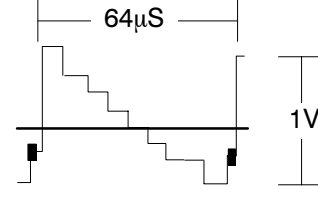
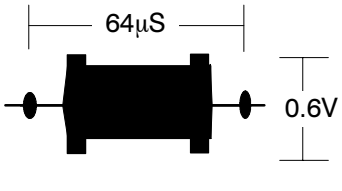
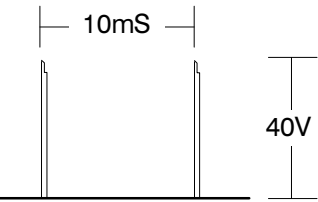
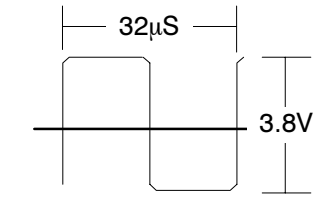
N.B. I valori indicati sullo schermo sono approssimative.

Funzione		Valori di pos.
Ampiezza vert	V-AMP 038	Posizione ottimale
Linearita vert	V-LIN 022	
Posizione verticale	V-POS 005	Posizione ottimale
Ampiezza orrizz	H-AMP 043	Posizione ottimale
posizione orrizz	H-POS 035	
EO-ampiezza	E/W-AMP 1 020	Posizione ottimale
EO-ampiezza	E/W-AMP 2 015	Posizione ottimale
Correz-trapezoidale	TRAPEZ-1 004	Posizione ottimale
Vert. DC.	VERT. D.C. 008	Non regolare
Text Position	TEXT POSITION 060	Posizione ottimale
Cutoff	- - -	Collegare la dei grigi, entrare nel SERVICE MODE fermandosi alla funzione CUT-OFF, porre la sonda dell'oscilloscopio sul catodo del BLU e regolare il potenziometro dello SCREEN nell'eat per ottenere 150V +/- 5V alla base dell' impulso del cut-off.
Cutoff RVB	CUTOFF RGB 032 032 032	Premere il tasto Verde per passare ad altre regolazioni. Regolare per la posizione ottimale.
White RVB	WHITE RGB 032 032 032	Premere il tasto Verde per passare ad altre regolazioni. Regolare per la posizione ottimale.
Sub Brightness	SUB BRIGHT 000	Posizione ottimale

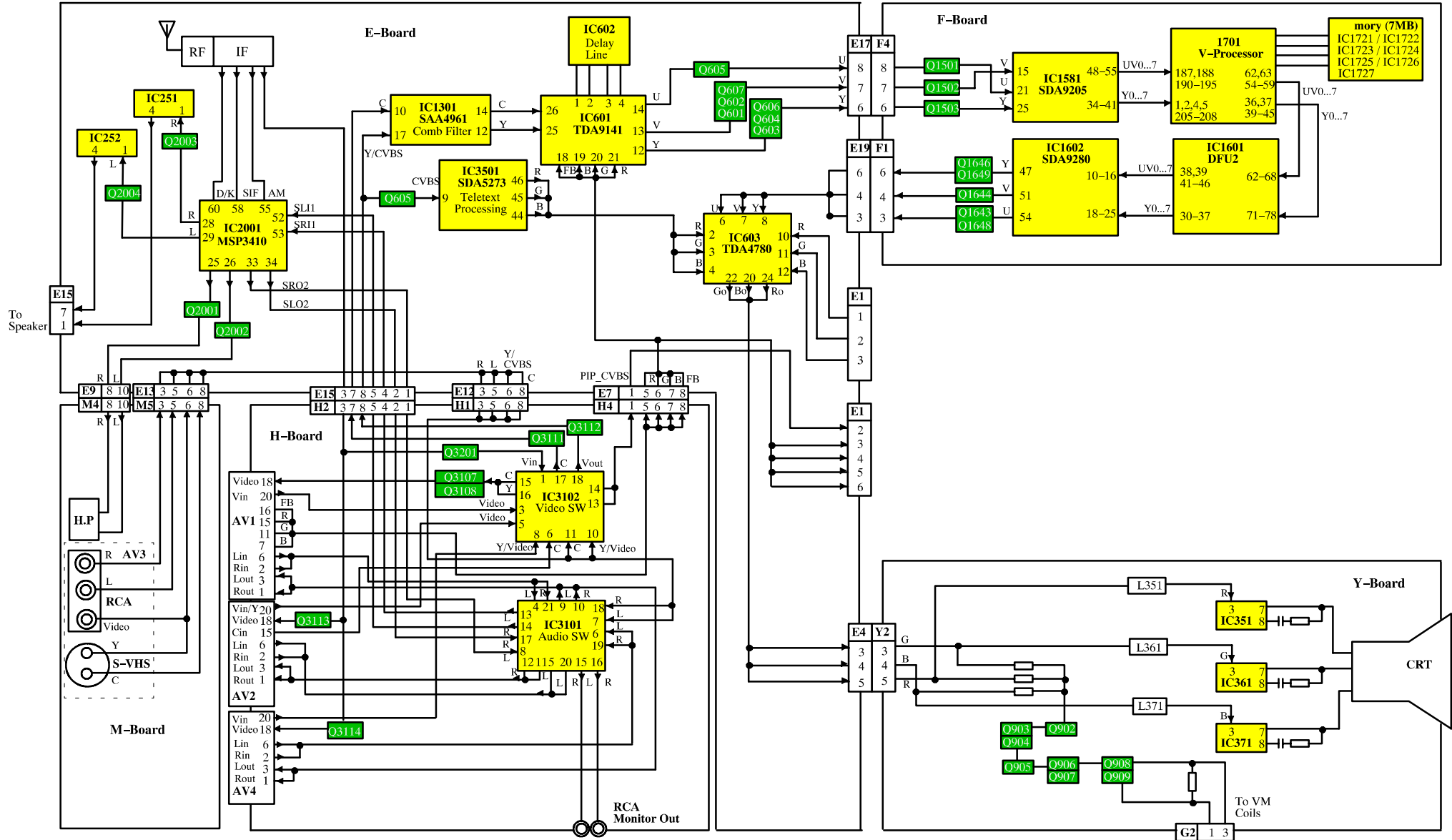


## FORMA D' ONDA

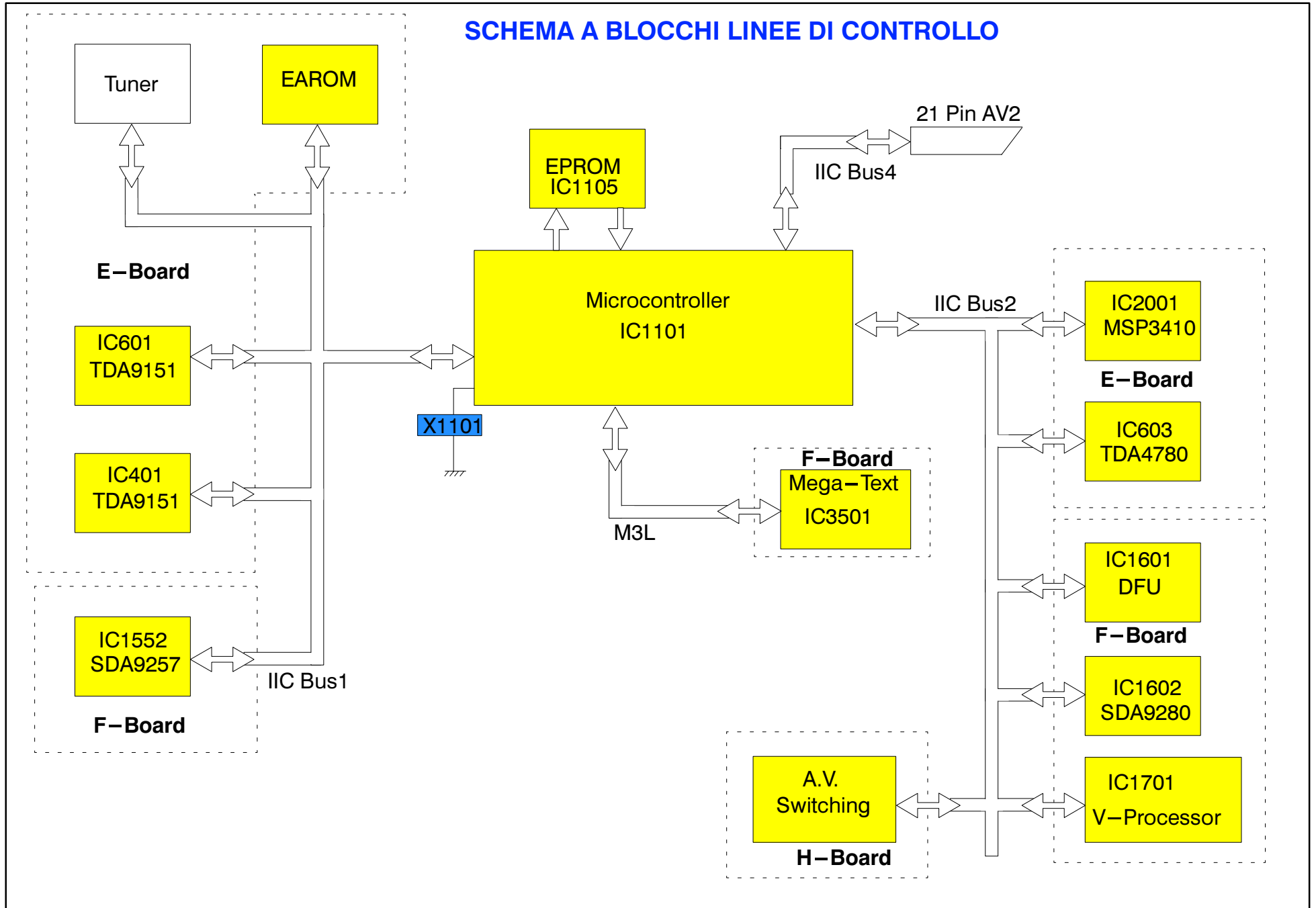
**NOTA:** Tutte le forme d'onda sono state prese usando un segnale a barre colori standard.

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

# SCHEMA A BLOCCHI SIGNALI VIDEO / AUDIO



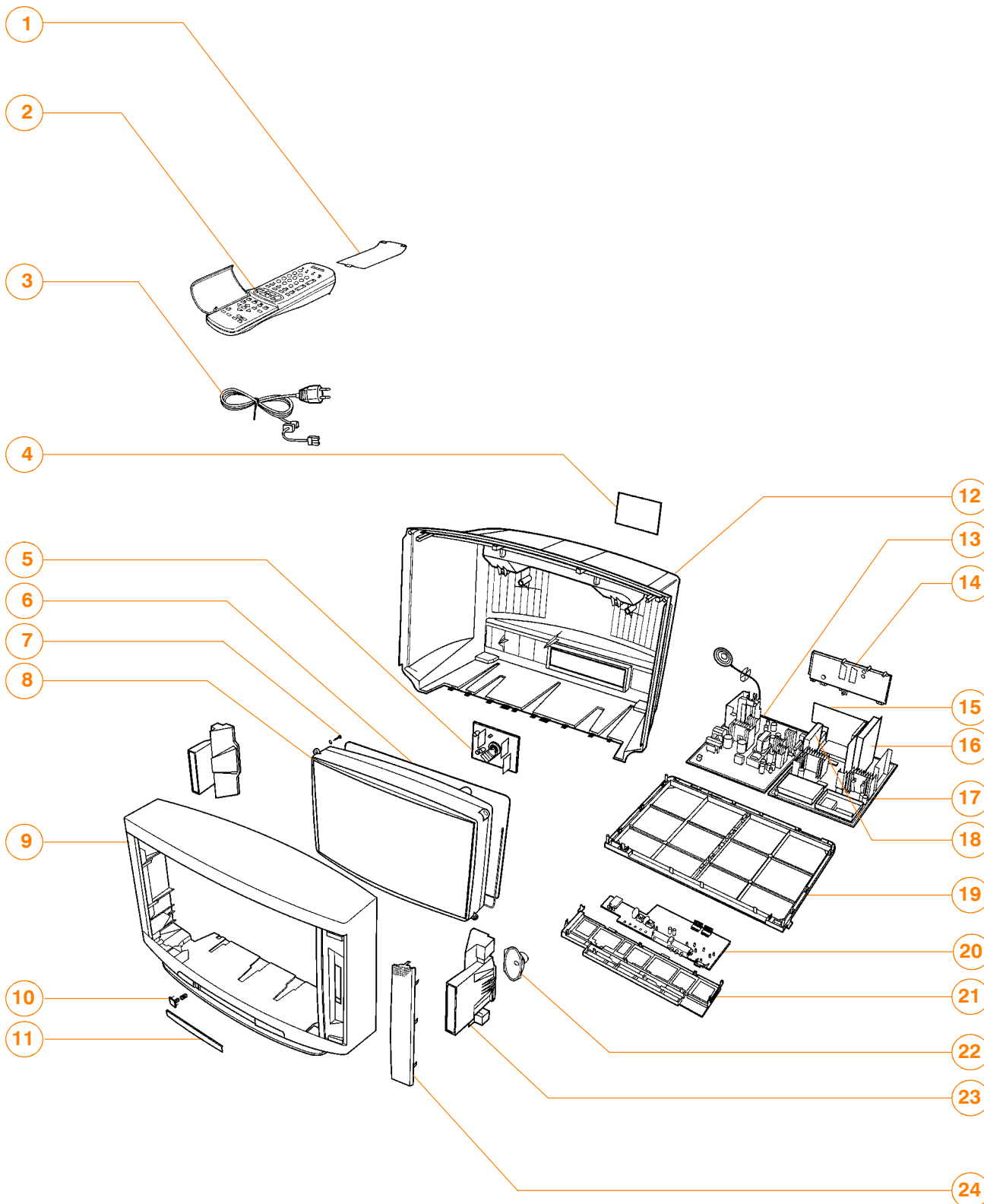
# SCHEMA A BLOCCHI LINEE DI CONTROLLO



## UBICAZIONI DEI COMPONENTI

**Nota :**

In questa pagina i numeri all' interno di un cerchio corrispondono ai numeri riportanti nell' elenco parti di ricambio.



## ELENCO PARTI DI RICAMBIO

**Nota:** Componenti contrassegnati  $\Delta$  sono di sicurezza e devono essere sostituiti solo con quelli specificati.

### COMMON PARTS FOR MODELS TX-W32D3F AND TX-W28D3F

Ref No.	Part No.	Description		Ref No.	Part No.	Description	
<b>MISCELLANEOUS COMPONENTS</b>				<b>CAPACITORS</b>			
1)	UR51EC780	BATTERY COVER (REMOTE)		IC601	TDA9143-N1	COLOUR DECODER	
2)	EUR51923	REMOTE CONTROL		IC602	TDA4665-V4	DELAY LINE	
3)	TSX8E0020	POWER CORD	$\Delta$	IC603	TDA4780	RGB VIDEO PROCESSOR	
4)	*****	REFER TO DIFFERENCE LIST		IC845	SE140N	ERROR AMPLIFIER	
5)	*****	REFER TO DIFFERENCE LIST		IC851	TL431ACLPM	COIL	
6)	*****	REFER TO DIFFERENCE LIST		IC852	TL431ACLPM	COIL	
7)	THT1062	CRT FIXING SCREW		IC1051	RPM-637CBRS1	LED RECEIVER	
8)	*****	REFER TO DIFFERENCE LIST		IC1101	SDA30C164-2	MICRO PROCESSOR	
9)	*****	REFER TO DIFFERENCE LIST		IC1102	S-80745AL-Z	RESET	
10)	TBX8E033	POWER BUTTON		IC1103	MN1280R	RESET	
11)	TBM8E1728	PANASONIC BADGE		IC1301	SAA4961	COMB FILTER	
12)	*****	REFER TO DIFFERENCE LIST		IC1551	SN74F04DR	CLOCK	
13)	*****	REFER TO DIFFERENCE LIST		IC1552	SDA9257	CLOCK GENERATOR	
14)	TKP8E1153	AV COVER		IC1581	SDA9205-2GEG	A/D CONVERTER	
15)	TNPA0293AJ	H P.C.B.	$\Delta$	IC1601	UPD93213GF	DFU	
16)	TNPA0294AD	F P.C.B.	$\Delta$	IC1602	SDA9280B21GE	VISUAL PROCESSOR	
17)	*****	REFER TO DIFFERENCE LIST		IC1701	MB87D202A	VIDEO PROCESSOR	
18)	TNPA0317AA	B P.C.B.	$\Delta$	IC1721	SDA9251-2XGE	RAM	
19)	TMX8E014	CHASSIS FRAME		IC1722	SDA9251-2XGE	RAM	
20)	*****	REFER TO DIFFERENCE LIST		IC1723	SDA9251-2XGE	RAM	
21)	TMW8E023	CONTROL BRACKET		IC1724	SDA9251-2XGE	RAM	
22)	EAGG1218F2	SPEAKER		IC1725	SDA9251-2XGE	RAM	
23)	TKK8E026	SPEAKER REFLECTOR		IC1726	SDA9251-2XGE	RAM	
24)	*****	REFER TO DIFFERENCE LIST		IC1727	SDA9251-2XGE	RAM	
	TKP8E1149	LID		IC2001	MSP3410DPPB4	AUDIO PROCESSOR	
	TKP8E1150	FRONT PANEL RIGHT		IC3101	TEA6420	AUDIO SWITCH	
	TKP8E1160	FRONT PANEL RIGHT		IC3102	TEA6415C	VIDEO SWITCH	
	ENV57D03G3	TUNER	$\Delta$	IC3501	SDA5273S/134	MEGA TEXT	
	TEK6940	LID CATCHER		IC3502	M514256B70RS	DRAM	
	TBM8E1778	REAR AV LABEL		IC3801	AN7808LB	8V REGULATOR	
	TLT100K991R	COIL		IC3803	AN7805LB	5V REGULATOR	
	TMW8E017	L.E.D.HOLDER		IC3804	AN7809FLB	9V REGULATOR	
	TMX8E015	PCB SUPPORT BRACKET		IC3805	AN78L08TA	8V REGULATOR	
	TQB8E2381A	GERMAN INST BOOK	$\Delta$				
	TQB8E2381B	DUTCH INST BOOK	$\Delta$	C002	ECUV1H102JCX	S.M.CAP 50V 1nF	
	TQB8E2381C	ITALIAN INST BOOK	$\Delta$	C003	ECA1HM101GB	ELECT 50V 100pF	
	TQB8E2381D	FRENCH INST BOOK	$\Delta$	C004	ECUV1H102JCX	S.M.CAP 50V 1nF	
	TQB8E2381E	SPANISH INST BOOK	$\Delta$	C005	ECUV1H102JCX	S.M.CAP 50V 1nF	
	TQB8E2381F	SWEDISH INST BOOK	$\Delta$	C006	ECUV1H102JCX	S.M.CAP 50V 1nF	
	TQB8E2381G	NORWEGIAN INST BOOK	$\Delta$	C007	ECUV1H102JCX	S.M.CAP 50V 1nF	
	TQB8E2381H	SUOMI INST BOOK	$\Delta$	C009	ECA1HMR22GB	ELECT 50V 0.22 $\mu$ F	
	TQB8E2381K	DANISH INST BOOK	$\Delta$	C010	ECUV1H102KBX	S.M.CAP 50V 1nF	
	TQA8E2043	SCHEMATIC DIAGRAM (ITALY)	$\Delta$	C014	ECUV1H103ZFX	S.M.CAP 50V 10nF	
	TBM8E1532-2	PRESET PANEL		C015	ECUV1H390JCX	S.M.CAP 50V 39pF	
	UM-3DJ-2P	BATTERY-SET		C016	ECUV1H390JCX	S.M.CAP 50V 39pF	
	832AG11D-ESL	I.C.SOCKET		C017	ECA1CM470GB	ELECT 16V 47 $\mu$ F	
	31221212478	FIX CLIP		C019	ECUV1H561JCX	S.M.CAP 50V 560pF	
	TES4537	SPRING		C020	ECUV1H103ZFX	S.M.CAP 50V 10nF	
	TES4537	SPRING		C022	ECUV1H103ZFX	S.M.CAP 50V 10nF	
	TES4537	SPRING		C023	ECUV1H681JCX	S.M.CAP 50V 680pF	
	TES4537	SPRING		C024	ECUV1H103ZFX	S.M.CAP 50V 10nF	
	F9-4-220	RELAY		C025	ECUV1H101JCX	S.M.CAP 50V 100pF	
	PCS-068A-1	68 PIN I.C.SOCKET		C026	ECUV1H681JCX	S.M.CAP 50V 680pF	
	ERC12GK825	SOLID 0.5W 10% 8M2 $\Omega$		C101	ECUV1H104ZFX	S.M.CAP 50V 100nF	
	ERDS1TJ6R8	CARBON 0.5W 5% 6R8 $\Omega$		C106	ECUV1H104ZFX	S.M.CAP 50V 100nF	
<b>INTEGRATED CIRCUITS</b>							
IC101	TDA9814TV3	VIF		C108	ECUV1H104ZFX	S.M.CAP 50V 100nF	
IC251	TDA2030AV	AUDIO AMPLIFIER		C109	ECUV1H104ZFX	S.M.CAP 50V 100nF	
IC252	TDA2030AV	AUDIO AMPLIFIER		C111	ECUV1H103ZFX	S.M.CAP 50V 10nF	
IC351	TDA6111	RGB OUTPUT		C113	ECUV1H393KBX	S.M.CAP 50V 39nF	
IC361	TDA6111	RGB OUTPUT		C115	ECUV1H104ZFX	S.M.CAP 50V 100nF	
IC371	TDA6111	RGB OUTPUT		C116	ECUV1H030CPX	S.M.CAP 50V 30pF	
IC401	TDA9151-B	DEFLECTION CONTROL		C117	ECUV1H070DTX	S.M.CAP 50V 70pF	
IC451	TDA8350Q/N5	VERTICAL OUTPUT		C118	ECEA1CKA100	ELECT 16V 10 $\mu$ F	
				C120	ECEA1HKA2R2	ELECT 50V 2.2 $\mu$ F	
				C121	ECEA1HKA2R2	ELECT 50V 2.2 $\mu$ F	
				C122	ECUV1C105ZFX	S.M.CAP 16V 1000nF	
				C123	ECEA1HKA2R2	ELECT 50V 2.2 $\mu$ F	
				C124	ECUV1H471JCX	S.M.CAP 50V 470pF	
				C125	ECUV1H104ZFX	S.M.CAP 50V 100nF	

Ref No.	Part No.	Description	
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 10pF	
C257	ECA1HM100GB	ELECT 50V 10pF	
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 10pF	
C264	ECA1HM100GB	ELECT 50V 10pF	
C267	ECUV1H103ZFX	S.M.CAP 50V 10nF	
C268	ECUV1H223ZFX	S.M.CAP 50V 22nF	
C269	ECA1EM222GB	ELECT 25V 2.2nF	
C270	ECA1EM222GB	ELECT 25V 2.2nF	
C271	ECA1HM010GB	ELECT 50V 1pF	
C272	ECA1HM010GB	ELECT 50V 1pF	
C273	ECA1HM010GB	ELECT 50V 1pF	
C274	ECA1HM010GB	ELECT 50V 1pF	
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	△
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 100pF	
C382	ECAOJM471GB	ELECT 6.3V 470pF	
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 3.3nF	
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	

Ref No.	Part No.	Description	
C451	ECUV1H104ZFX	S.M.CAP 50V 100nF	
C452	ECA1EM332E	ELECT 25V 3.3nF	
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 33pF	
C559	ECKC2H101J	CERAMIC 500V 100pF	△
C560	ECA1EM332E	ELECT 25V 3.3nF	
C561	ECKC2H561J	CERAMIC 500V 560pF	△
C562	ECA1JM220B	ELECT 63V 22pF	
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 400V 0.56µF	
C577	TAC1114Z105A	CERAMIC 400V 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	
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 220pF	
C635	ECA1HM220GB	ELECT 50V 22pF	
C636	ECA1HM010GB	ELECT 50V 1pF	
C637	ECQM1H224J	FILM 50V 220nF	
C638	ECA1HM010GB	ELECT 50V 1pF	
C639	ECQM1H224J	FILM 50V 220nF	
C640	ECQM1H224J	FILM 50V 220nF	
C641	ECQM1H224J	FILM 50V 220nF	
C642	ECA1AM470GB	ELECT 10V 47pF	
C643	ECUV1H104ZFX	S.M.CAP 50V 100nF	
C644	ECA1CM470GB	ELECT 16V 47µF	

Ref No.	Part No.	Description			
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	330pF	
C816	ECQB1H122J	FILM	50V	1.2nF	
C817	ECKC2H472J	CERAMIC	500V	4.7nF	△
C818	ECKC2H472J	CERAMIC	500V	4.7nF	△
C821	ECQB1H222J	FILM	50V	2200pF	
C822	ECKC3D102J	CERAMIC	2KV	1nF	△
C823	EEUFA1V221B	CERAMIC	35V	220pF	
C824	ECQB1H121KF3	FILM	50V	120pF	
C826	ECQB1H473K	FILM	50V	47nF	
C827	ECKCNS332J	CERAMIC	1.2KV	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	
C852	ECKC3D102J	CERAMIC	2KV	1nF	△
C853	ECA1CM471GB	ELECT	16V	470pF	
C854	ECA1EM471GB	ELECT	25V	470pF	
C855	ECEA1HU102	ELECT	50V	1000µF	
C856	ECEA1HU471	ELECT	50V	470µF	
C857	ECA1EM471GB	ELECT	25V	470pF	
C858	ECOS2EA271BB	ELECT	250V	270pF	
C859	ECKC2H471J	CERAMIC	500V	470pF	△
C861	ECOS2EA221AB	ELECT	250V	220µF	
C863	ECA1EM222GB	ELECT	25V	2.2nF	
C864	ECAOJM102GB	ELECT	6.3V	1nF	
C866	ECA1HM101GB	ELECT	50V	100pF	
C867	ECA1CM222GB	ELECT	16V	2200µF	
C868	ECA1CM100GB	ELECT	16V	10pF	
C871	ECAOJM102GB	ELECT	6.3V	1nF	
C872	ECA1CM222GB	ELECT	16V	2200µF	
C901	ECUV1H030CCX	S.M.CAP	50V	30pF	
C902	ECA1VM101GB	ELECT	35V	100pF	
C903	ECA1CM470GB	ELECT	16V	47µF	
C904	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C905	ECA1CM100GB	ELECT	16V	10pF	
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	100pF	
C914	ECA1HM101GB	ELECT	50V	100pF	
C915	ECA1CM471GB	ELECT	16V	470pF	
C916	ECEA2EU220	ELECT	250V	22µF	
C917	ECA1HM100GB	ELECT	50V	10pF	
C918	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C919	ECCR2H270J	CERAMIC	500V	27pF	
C1051	ECKC1H101J	CERAMIC	50V	100pF	
C1052	ECA1VM470B	ELECT	35V	47pF	
C1053	ECKC1H103JB	CERAMIC	50V	10nF	
C1102	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C1103	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C1104	ECAOJM101G	ELECT	6.3V	100pF	

Ref No.	Part No.	Description		
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	47pF
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	100pF
C1306	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1307	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1308	ECA1HM101GB	ELECT	50V	100pF
C1309	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1310	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1311	ECUV1H104ZFX	S.M.CAP	50V	100nF
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	100pF
C1317	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1318	ECA1HM101GB	ELECT	50V	100pF
C1321	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1322	ECUV1H101JCX	S.M.CAP	50V	100pF
C1323	ECA1HM101GB	ELECT	50V	100pF
C1324	ECA1HM101GB	ELECT	50V	100pF
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	10pF
C1518	ECA1HM101GB	ELECT	50V	100pF
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	ECAOJM102GB	ELECT	6.3V	1nF
C1552	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1554	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1555	ECAOJM331GB	ELECT	6.3V	330pF
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	ECAOJM331GB	ELECT	6.3V	330pF
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

Ref No.	Part No.	Description
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
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 10pF
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 10pF
C2018	ECA1CM100GB ELECT	16V 10pF
C2019	ECA1CM221GB ELECT	16V 220pF
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

Ref No.	Part No.	Description
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 10pF
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
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 10pF
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 330pF
C2055	ECA1CM331B ELECT	16V 330pF
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 470pF
C2352	ECA1CM471GB ELECT	16V 470pF
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 470pF
C2362	ECA1CM471GB ELECT	16V 470pF
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



Ref No.	Part No.	Description
C3150	ECA1HM4R7GB	ELECT 50V 4.7µF
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 470pF
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 1pF
C3202	ECUV1H473ZFX	S.M.CAP 50V 47nF
C3203	ECA1CM100GB	ELECT 16V 10pF
C3204	ECUV1H473ZFX	S.M.CAP 50V 47nF
C3351	ECA1HM101GB	ELECT 50V 100pF
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 100pF
C3512	ECUV1H104ZFX	S.M.CAP 50V 100nF
C3514	ECUV1H104ZFX	S.M.CAP 50V 100nF
C3515	ECA0JM331GB	ELECT 6.3V 330pF
C3516	ECUV1H104ZFX	S.M.CAP 50V 100nF
C3521	ECA1HM101GB	ELECT 50V 100pF
C3522	ECUV1H104ZFX	S.M.CAP 50V 100nF
C3801	ECA1HM010GB	ELECT 50V 1pF
C3802	ECUV1H104ZFX	S.M.CAP 50V 100nF
C3803	ECA1CM471GB	ELECT 16V 470pF
C3807	ECUV1H104ZFX	S.M.CAP 50V 100nF
C3808	ECUV1H104ZFX	S.M.CAP 50V 100nF
C3809	ECA0JM101G	ELECT 6.3V 100pF
C3810	ECUV1H103KBX	S.M.CAP 50V 10nF
C3812	ECA1CM221GB	ELECT 16V 220pF

## 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
D387	MA2160LFS	DIODE
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

Ref No.	Part No.	Description
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
D1056	AU01V0	DIODE
D1057	AU01V0	DIODE
D1102	MA4051	DIODE
D1107	MTZJT-775.6A	DIODE
D1108	1SS254T-77	DIODE
D1109	1SS254T-77	DIODE
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

Ref No.	Part No.	Description			
D3805	MA4091	DIODE			
D3806	MA165TA5	DIODE 1SS133T-77			
D3807	MA165TA5	DIODE 1SS133T-77			
<b>FUSES</b>					
F531	TR5-T1000	FUSE			△
F801	XBA2C50TH15	FUSE			
F845	TR5-T2000	FUSE			△
F846	TR5-T1250	FUSE			△
F8011	EYF52BC	FUSE HOLDER			
F8012	EYF52BC	FUSE HOLDER			
<b>TERMINALS AND LINKS</b>					
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	
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	
<b>COILS</b>					
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			

Ref No.	Part No.	Description			
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	EXCELDR25V	COIL			
L353	TLT150K991R	COIL			
L361	SDL5000	DELAY LINE			
L362	EXCELDR25V	COIL			
L363	TLT150K991R	COIL			
L371	SDL5000	DELAY LINE			
L372	EXCELDR25V	COIL			
L373	TLT150K991R	COIL			
L381	TLT220K991R	COIL			
L401	EXCELDR35V	COIL			
L402	EXCELDR35V	COIL			
L451	EXCELDR35V	COIL			
L552	EXCELSA35T	COIL			
L553	EXCELSA35T	COIL			
L554	EXCELDR35V	COIL			
L555	EXCELDR35C	COIL			
L571	ELC18B801L	COIL			
L572	ELHKL025B	COIL			
L575	ELC18B331E	COIL			
L576	ELC08D101E	COIL			
L601	TLT047K991R	COIL			
L602	TLT047K991R	COIL			
L603	TLT047K991R	COIL			
L605	ERD25TC0T	CARBON 0.25W	5%	0Ω	
L801	ELF18D486D	COIL			
L802	ELF18D486D	COIL			
L807	ELF18D856A	COIL			
L808	EXCELSA35T	COIL			
L809	EXCELDR35C	COIL			
L810	EXCELSA39V	COIL			
L811	EXCELSA39V	COIL			
L812	EXCELDR35V	COIL			
L813	EXCELDR35V	COIL			
L817	EXCELDR35V	COIL			
L845	EXCELSA35T	COIL			
L847	EXCELSA35B	COIL			
L848	EXCELSA35T	COIL			
L850	EXCELSA35T	COIL			
L851	EXCELSA35B	COIL			
L854	ELIE150KA	COIL			
L856	EXCELSA35T	COIL			
L859	EXCELSA35T	COIL			
L860	EXCELSA35T	COIL			
L861	EXCELSA35T	COIL			
L862	EXCELSA35T	COIL			
L864	EXCELDR35V	COIL			
L1102	EXCELDR35V	COIL			
L1103	EXCELDR35V	COIL			
L1104	EXCELSA35T	COIL			
L1105	ELEXT4R7KA	COIL			
L1301	TLT330K991R	COIL			
L1302	TLT100K991R	COIL			
L1303	TLT101K991R	COIL			
L1304	TLT100K991R	COIL			
L1306	TLT101K991R	COIL			
L1307	ERD25TC0T	CARBON 0.25W	5%	0Ω	
L1501	EXCELDR35V	COIL			
L1502	TLT033K991R	COIL			
L1503	TLT033K991R	COIL			
L1504	TLT033K991R	COIL			
L1552	EXCELDR35V	COIL			
L1553	EXCELDR35V	COIL			
L1575	EXCELDR35V	COIL			
L1576	EXCELDR35V	COIL			
L1601	EXCELDR35V	COIL			
L1602	EXCELDR35V	COIL			
L1603	TLT100K991R	COIL			

Ref No.	Part No.	Description
L1604	TLT100K991R	COIL
L1605	TLT100K991R	COIL
L1606	TLT100K991R	COIL
L1607	EXCELDR35V	COIL
L1641	EXCELDR35V	COIL
L1701	EXCELDR35V	COIL
L1721	EXCELDR35V	COIL
L1722	EXCELDR35V	COIL
L2001	TLT047K991R	COIL
L2003	EXCELDR35V	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
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

Ref No.	Part No.	Description
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
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

Ref No.	Part No.	Description			
R111	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330Ω
R113	ERJ6GEY0R00	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	ERJ6GEY0R00	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
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
R375	ERG2FJ823	METAL	2W	5%	82KΩ

Ref No.	Part No.	Description			
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	RESISTOR	12W	5%	1R0Ω
R455	ERX12SJ1R2	RESISTOR	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	RESISTOR	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	RESISTOR	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
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

Ref No.	Part No.	Description			
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	ERJ6GEYOR00	S.M.CARB 0.1W	5%	0Ω	
R620	ERJ6GEYOR00	S.M.CARB 0.1W	5%	0Ω	
R621	ERJ6GEYOR00	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	ERJ6GEYOR00	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	ERJ6GEYOR00	S.M.CARB 0.1W	5%	0Ω	
R637	ERJ6GEYJ331	S.M.CARB 0.1W	5%	330Ω	
R639	EVNDXAA03B32	CONTROL		300Ω	
R640	ERJ6GEYOR00	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	ERJ6GEYOR00	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	ERJ6GEYOR00	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	ERJ6GEYOR00	S.M.CARB 0.1W	5%	0Ω	
R663	ERJ6GEYOR00	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	ERJ6GEYOR00	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	
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	RESISTOR 2W	5%	R22Ω	
R824	ERX2SJR22	RESISTOR 2W	5%	R22Ω	
R825	ERX2SJR22	RESISTOR 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	ERG1SJJ331	METAL 1W	5%	330Ω	△
R835	ERD25TJ220	CARBON 0.25W	5%	22Ω	
R836	ERD25TJ100	CARBON 0.25W	5%	10Ω	

Ref No.	Part No.	Description			
R837	ERD25TJ153	CARBON 0.25W	5%	15KΩ	
R838	ERD25TJ102	CARBON 0.25W	5%	1KΩ	
R853	ERO25CKF1002	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	ERO25CKF1002	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	ERO25CKF1022	METAL 25W	1%	10KΩ	△
R878	ERO25CKF1002	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	RESISTOR 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	ERJ6GEYOR00	S.M.CARB 0.1W	5%	0Ω	
R926	ERJ6GEYOR00	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	△
R936	ERQ1CJP102	METAL 1W	5%	1KΩ	△
R937	ERQ14AJW100	METAL 0.25W	5%	10Ω	△
R938	ERD25TJ122	CARBON 0.25W	5%	1K2Ω	
R940	ERD25TJ3R3	CARBON 0.25W	5%	3R3Ω	
R941	ERD25TJ3R3	CARBON 0.25W	5%	3R3Ω	
R1054	ERD25TJ101	CARBON 0.25W	5%	100Ω	
R1057	ERD25TJ101	CARBON 0.25W	5%	100Ω	
R1058	ERD25TJ471	CARBON 0.25W	5%	470Ω	
R1059	ERD25TJ103	CARBON 0.25W	5%	10KΩ	
R1061	ERD25TJ103	CARBON 0.25W	5%	10KΩ	
R1062	ERD25TJ222	CARBON 0.25W	5%	2K2Ω	
R1063	ERD25TJ222	CARBON 0.25W	5%	2K2Ω	
R1064	ERD25TJ332	CARBON 0.25W	5%	3K3Ω	
R1065	ERD25TJ512	CARBON 0.25W	5%	5K1Ω	
R1066	ERD25TJ912	CARBON 0.25W	5%	9K1Ω	
R1101	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	
R1102	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	
R1103	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	
R1104	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	
R1105	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	
R1106	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	
R1107	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	
R1108	ERJ6GEYJ472	S.M.CARB 0.1W	5%	4K7Ω	
R1111	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R1112	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R1113	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R1116	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	
R1117	ERJ6GEYJ101	S.M.CARB 0.1W	5%	100Ω	

Ref No.	Part No.	Description
R1118	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1119	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1120	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1121	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1122	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1123	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7Ω
R1124	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1125	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1126	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1127	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1128	ERJ6GEYJ100	S.M.CARB 0.1W 5% 10Ω
R1129	ERJ6GEYJ100	S.M.CARB 0.1W 5% 10Ω
R1133	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1134	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1135	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
R1136	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R1137	ERJ6GEYJ561	S.M.CARB 0.1W 5% 560Ω
R1138	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1142	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1143	ERJ6GEYJ392	S.M.CARB 0.1W 5% 3K9Ω
R1144	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R1145	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7Ω
R1149	ERJ6GEYJ473	S.M.CARB 0.1W 5% 47KΩ
R1150	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7Ω
R1151	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7Ω
R1152	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7Ω
R1153	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7Ω
R1154	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7Ω
R1156	ERJ6GEYJ182	S.M.CARB 0.1W 5% 1K8Ω
R1163	ERJ6GEYJ152	S.M.CARB 0.1W 5% 1K5Ω
R1164	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1169	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R1170	ERJ6GEYJ332	S.M.CARB 0.1W 5% 3K3Ω
R1171	ERJ6GEYJ682	S.M.CARB 0.1W 5% 6K8Ω
R1172	ERJ6GEYJ561	S.M.CARB 0.1W 5% 560Ω
R1174	ERDS1TJ561	CARBON 0.5W 5% 560Ω
R1182	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7Ω
R1183	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7Ω
R1184	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7Ω
R1185	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1186	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1188	ERJ6GEYJ222	S.M.CARB 0.1W 5% 2K2Ω
R1190	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
R1191	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100KΩ
R1192	ERJ6GEYJ104	S.M.CARB 0.1W 5% 100KΩ
R1193	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1194	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1301	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R1302	ERJ6GEYJ392	S.M.CARB 0.1W 5% 3K9Ω
R1305	ERJ6GEYJ560	S.M.CARB 0.1W 5% 56Ω
R1306	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1307	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6Ω
R1308	ERJ6GEYJ105	S.M.CARB 0.1W 5% 1MΩ
R1313	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
R1315	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1317	ERJ6GEYJ181	S.M.CARB 0.1W 5% 180Ω
R1318	ERJ6GEYJ181	S.M.CARB 0.1W 5% 180Ω
R1319	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
R1320	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7Ω
R1321	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7Ω
R1322	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1323	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1324	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7Ω
R1325	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1326	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1327	ERJ6GEYJ470	S.M.CARB 0.1W 5% 47Ω
R1328	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R1329	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
R1337	ERJ6GEYJ562	S.M.CARB 0.1W 5% 5K6Ω
R1340	ERJ6GEYJ272	S.M.CARB 0.1W 5% 2K7Ω
R1501	ERJ6GEYJ560	S.M.CARB 0.1W 5% 56Ω
R1502	ERJ6GEYJ560	S.M.CARB 0.1W 5% 56Ω
R1504	ERJ6GEYJ121	S.M.CARB 0.1W 5% 120Ω
R1507	ERJ6GEYJ272	S.M.CARB 0.1W 5% 2K7Ω
R1508	ERJ6GEYJ121	S.M.CARB 0.1W 5% 120Ω
R1510	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1511	ERJ6GEYJ272	S.M.CARB 0.1W 5% 2K7Ω
R1513	ERJ6GEYJ272	S.M.CARB 0.1W 5% 2K7Ω
R1515	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R1516	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R1517	ERJ6GEYJ102	S.M.CARB 0.1W 5% 1KΩ
R1518	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω

Ref No.	Part No.	Description
R1519	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1520	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1523	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1550	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R1551	ERJ6GEYJ180	S.M.CARB 0.1W 5% 18Ω
R1552	ERJ6GEYJ560	S.M.CARB 0.1W 5% 56Ω
R1554	ERJ6GEYJ180	S.M.CARB 0.1W 5% 18Ω
R1555	ERJ6GEYJ331	S.M.CARB 0.1W 5% 330Ω
R1560	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1561	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1562	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1563	ERJ6GEYJ180	S.M.CARB 0.1W 5% 18Ω
R1568	ERJ6GEYJ221	S.M.CARB 0.1W 5% 220Ω
R1570	ERJ6GEYJ331	S.M.CARB 0.1W 5% 330Ω
R1572	ERJ6GEYJ561	S.M.CARB 0.1W 5% 560Ω
R1575	ERJ6GEYJ391	S.M.CARB 0.1W 5% 390Ω
R1576	ERJ6GEYJ821	S.M.CARB 0.1W 5% 820Ω
R1577	ERJ6GEYJ750	S.M.CARB 0.1W 5% 75Ω
R1578	ERJ6GEYJ100	S.M.CARB 0.1W 5% 10Ω
R1581	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7Ω
R1605	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1606	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1608	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7Ω
R1620	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7Ω
R1621	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1622	ERJ6GEYJ101	S.M.CARB 0.1W 5% 100Ω
R1624	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0Ω
R1625	ERJ6GEYJ271	S.M.CARB 0.1W 5% 270Ω
R1626	ERJ6GEYJ391	S.M.CARB 0.1W 5% 390Ω
R1627	ERJ6GEYJ622	S.M.CARB 0.125W 5% 6K2Ω
R1628	ERJ6GEYJ151	S.M.CARB 0.1W 5% 150Ω
R1629	ERJ6GEYJ201	S.M.CARB 0.1W 5% 200Ω
R1630	ERJ6GEYJ181	S.M.CARB 0.1W 5% 180Ω
R1631	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R1632	ERJ6GEYJ133	S.M.CARB 0.125W 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

Ref No.	Part No.	Description
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	ERJ6GEYOR00	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	ERJ6GEYOR00	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 Δ
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
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 Δ
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

Ref No.	Part No.	Description
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
R3165	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R3167	ERJ6GEYJ103	S.M.CARB 0.1W 5% 10KΩ
R3178	ERJ6GEYOR00	S.M.CARB 0.1W 5% 0Ω
R3180	ERJ6GEYOR00	S.M.CARB 0.1W 5% 0Ω
R3182	ERJ6GEYOR00	S.M.CARB 0.1W 5% 0Ω
R3184	ERJ6GEYOR00	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	ERJ6GEYOR00	S.M.CARB 0.1W 5% 0Ω
R3193	ERJ6GEYOR00	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	ERD2FCVVG100T	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	ERD2FCVVG100T	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	ERD2FCVVG100T	CARBON 2W 2% 10Ω
R3226	ERJ6GEYJ153	S.M.CARB 0.1W 5% 15KΩ
R3227	ERJ6GEYOR00	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	ERD2FCVVG100T	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% 47KΩ
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	ERJ6GEYOR00	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
R3507	ERJ6GEYJ472	S.M.CARB 0.1W 5% 4K7Ω

Ref No.	Part No.	Description			
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
 <b>SWITCHES</b>					
S801	ESB91232A	SWITCH			
S1051	EVQ23405R	SWITCH			
S1052	EVQ23405R	SWITCH			

Ref No.	Part No.	Description	
S1053	EVQ23405R	SWITCH	
S1054	EVQ23405R	SWITCH	
S1055	EVQ23405R	SWITCH	
 <b>TRANSFORMERS</b>			
T501	TLHA003	TRANSFORMER	
T551	ZTFH65011A	F.B.T.	$\Delta$
T801	ETP35KAN615U	TRANSFORMER	$\Delta$
T802	ETS49AH137ND	TRANSFORMER	
T803	ETQ19K55AY	TRANSFORMER	
 <b>FILTERS</b>			
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


Ref No.	Part No.	Description	
<b>MISCELLANEOUS COMPONENTS</b>			
4)	TBM8E1742	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)	TNPH0063AZ	E P.C.B.	△
20)	TNPA0291AB	M P.C.B.	△
24)	TKP8E1148	SPEAKER NET	
	TLK8E05124	GEOMAGNETIC CORRECTION COIL	△
	TPC8E4651	OUTER CARTON	
	TPD8E621	TOP CUSHION	
	TPD8E622	BOTTOM CUSHION	
<b>CAPACITORS</b>			
C574	TAC1114Z564A	CERAMIC	400V 0.56 $\mu$ F
C581	ECQF4153JZH	FILM	400V 15nF
C819	ECOS2GA181DB	ELECT	400V 180pF
C820	ECOS2GA181DB	ELECT	400V 180pF
C1901	ECQM1H474J	FILM	50V 470nF
C1902	ECQM1H474J	FILM	50V 470nF
C1903	ECA1EM470GB	ELECT	25V 47pF
C1904	ECKC1H103JB	CERAMIC	50V 10nF
<b>DIODES</b>			
D401	MA167TA5	DIODE	
D848	EU02	DIODE	
D852	MTZJT-779.1C	DIODE	
D1052	AU01V0	DIODE	
D1053	AU01V0	DIODE	
D1054	AU01V0	DIODE	
D1055	AU01V0	DIODE	
<b>INTEGRATED CIRCUITS</b>			
IC1104	X24C0302EK	EAROM	
IC1105	27C2001C14AC	EPROM	
IC1901	LA6515	EARTH CORRECTION	
<b>COILS</b>			
L573	ELHKLBO28B	COIL	
L1901	EXCELDR25V	COIL	
<b>RESISTOR</b>			
R370	ERQ1CJP1R0	FUSIBLE	1W 5% 1R0 $\Omega$ △
R555	ERO25CKF2802	METAL	25W 1% 28K $\Omega$ △
R557	ERO25CKF6492	METAL	25W 1% 65K $\Omega$ △
R558	ERO50PKF4532	METAL	50W 1% 45K $\Omega$ △
R574	ERG3FJ151	METAL	3W 5% 150 $\Omega$ △
R591	ERF2AKR15	WIRE	2W 10% R15 $\Omega$
R847	ERQ1CKPR68	FUSIBLE	1W 5% R68 $\Omega$ △
R909	ERJ6GEYJ222	S.M.CARB	0.1W 5% 2K2 $\Omega$
R910	ERJ6GEYJ101	S.M.CARB	0.1W 5% 100 $\Omega$
R1901	ERD25TJ110	CARBON	0.25W 5% 11 $\Omega$
R1902	ERD25TJ110	CARBON	0.25W 5% 11 $\Omega$
R1903	ERD25TJ154	CARBON	0.25W 5% 150K $\Omega$
R1904	ERD25TJ154	CARBON	0.25W 5% 150K $\Omega$
R1905	ERD25TJ154	CARBON	0.25W 5% 150K $\Omega$
R1906	ERD25TJ753	CARBON	0.25W 5% 75K $\Omega$
R1908	ERD25TJ682	CARBON	0.25W 5% 6K8 $\Omega$
R1909	ERD25TJ362	CARBON	0.25W 5% 3K6 $\Omega$

### DIFFERENCES FOR MODEL TX-W28D3F

Ref No.	Part No.	Description	
<b>MISCELLANEOUS COMPONENTS</b>			
4)	TBM8E1738	MODEL LABEL	
5)	TNPA0292AD	Y P.C.B.	△
6)	TXFLK01DAG	DEGAUSS COIL	△
8)	W66EHK51X71	CRT	
9)	TKY8E120	CABINET	△
12)	TKU8E00300	BACK COVER	△
13)	TNPA0295AN	D P.C.B.	△
17)	TNPH0063BA	E P.C.B.	△
20)	TNPA0348AE	M P.C.B.	△
24)	TKP8E1152	SPEAKER NET	
	TPC8E4652	OUTER CARTON	
	TPD8E623	CUSHION TOP	
	TPD8E624	CUSHION BOTTOM	
<b>CAPACITORS</b>			
C028	ECUV1H103KBX	S.M.CAP	50V 10nF
C574	TAC1114Z824A	CERAMIC	400V 0.82 $\mu$ F
C581	ECQF4123JZH	FILM	400V 12nF
C664	ECUV1H103ZFX	S.M.CAP	50V 10nF
C665	ECUV1H103KBX	S.M.CAP	50V 10nF
C705	ECUV1H101JCX	S.M.CAP	50V 100pF
C819	ECOS2GG181NGE	ELECT	400V 180 $\mu$ F △
C820	ECOS2GG181NGE	ELECT	400V 180 $\mu$ F △
C848	ECKC2H471J	CERAMIC	500V 470pF △
C3813	ECUV1H471JCX	S.M.CAP	50V 470pF △
<b>DIODES</b>			
D373	MTZJT-7715A	DIODE	
D401	MA165TA5	DIODE	1SS133T-77
D848	ERB32-02E	DIODE	RU30LFS1
D852	MTZJT776.2B	DIODE	
<b>INTEGRATED CIRCUITS</b>			
IC1104	X24C0302EI	EAROM	
IC1105	27C2001C14AE	EPROM	
<b>COILS</b>			
L573	ELHKLBO26B	COIL	
<b>RESISTOR</b>			
R370	ERQ1CKPR82	METAL	1W 5% R82 $\Omega$ △
R555	ERD25TJ223	CARBON	0.25W 5% 22K $\Omega$
R557	ERQ25CKF7152	METAL	25W 1% 72K $\Omega$ △
R558	ERO50PKF5762	METAL	50W 1% 58K $\Omega$ △
R574	ERG3FJ121	METAL	3W 5% 120 $\Omega$ △
R591	ERF5AKR22	WIRE	5W 10% R22 $\Omega$
R847	ERQ1CKPR33	METAL	0.5W 10% R33 $\Omega$ △
R909	ERJ6GEYJ102	S.M.CARB	0.1W 5% 1K $\Omega$
R910	ERJ6GEYJ151	S.M.CARB	0.1W 5% 150 $\Omega$

# SCHEMA ELETTRICO TX-W32D3F TX-W28D3F (TELAIO EURO-3HW)

## IMPORTANTE

I componenti indicati con  hanno caratteristiche speciali ed importante per la sicurezza. Qualora tali componenti vengano sostituiti, devono essere usati solo quelli specificati dal costruttore.

## Nota

- RESISTENZE**  
Tutte le resistenze sono al carbone da 1/8W se sono contrassegnate come segue:  
I valori sono espressi in OHM  $\Omega$  K=1,000 M=1,000,000.
- CONDENSATORI**  
Tutti i condensatori sono ceramici 50V, se non sono contrassegnati come segue:  
I valori sono espressi in  $\mu$ F, se non diversamente specificato.
- BOBINE**  
I valori sono espressi in  $\mu$ H, se non diversamente specificato.  
Il contrassegno "L" sullo schema elettrico indica la polarità.
- TEST POINT**



: Posizione dei test point

- MASSA**



: Massa Telaio (Freddo)



: Massa Linea (Caldo)

- CONTROLLI DI TENSIONE**  
Le tensioni sono misurate con voltmetro DC alle seguenti condizioni:  
Tensione di rete AC 230V nominale 50Hz  
Segnale campione segnale barre colore (RF)  
Comandi esterni al massimo

- Indica il flusso di segnale principale



: VIDEO



: AUDIO



: VERTICALE / ORIZZONTALE

- Questo schema elettrico è soggetto a variazioni senza preavviso.

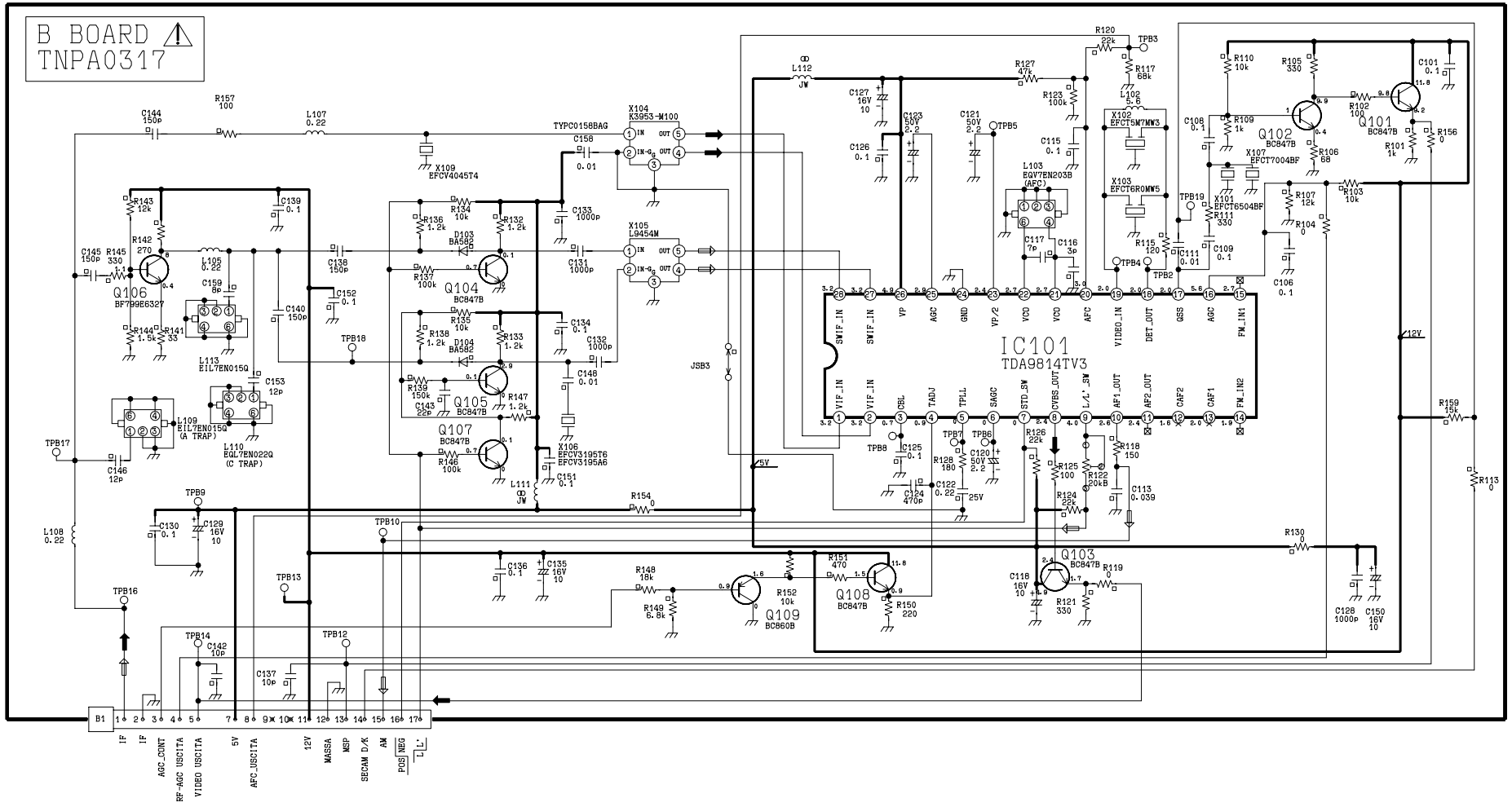
## Precauzioni

- Nell'intento di prevenire possibili scosse elettriche evitare contemporaneamente le sezioni definite calde e fredde.
- Un corto circuito fra le due sezioni può provocare anomalie nei componenti.
- Nell'utilizzo di uno strumento di misura la massa dello stesso deve essere collegata alla massa del circuito da misurare.
- Le resistenze sotto indicate sono componenti fusibili di sicurezza, e risultano differenziati per valore di corrente.

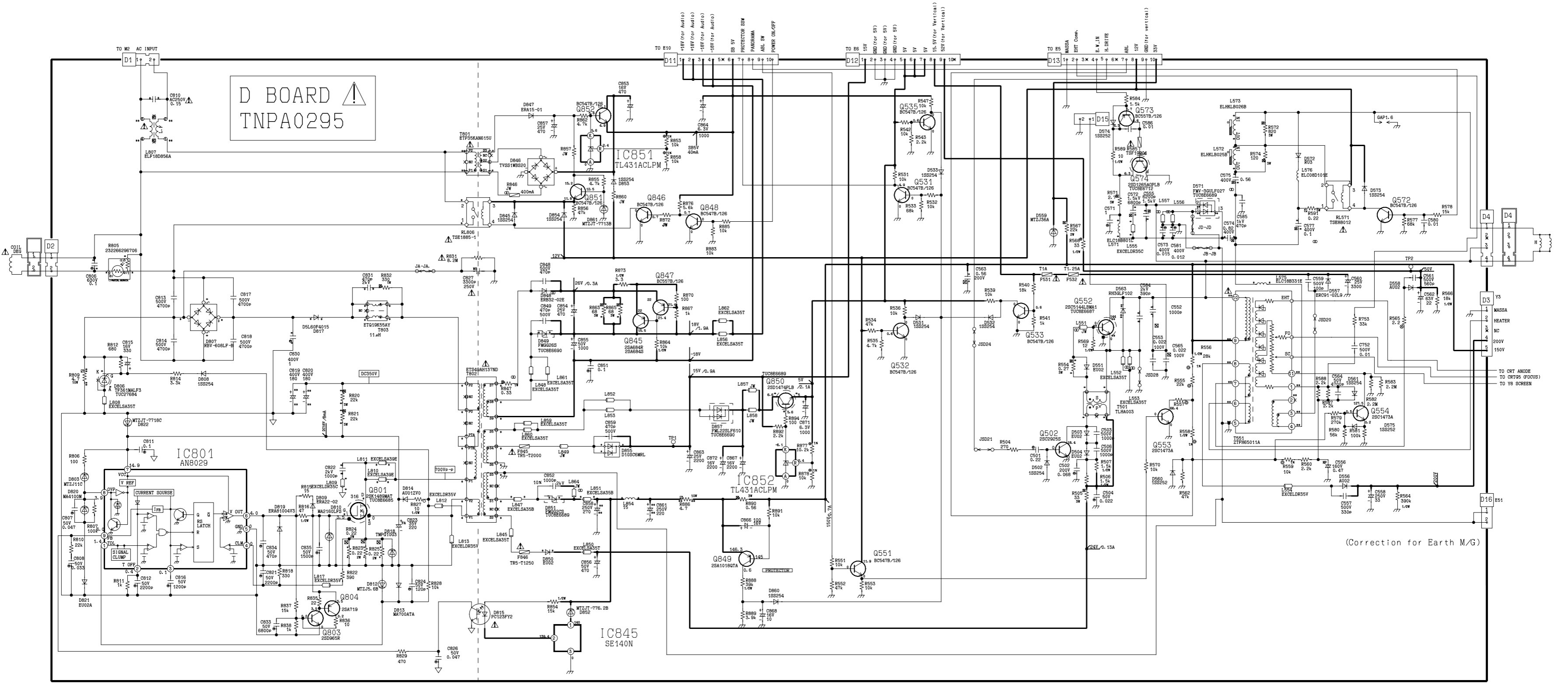
## Nota :

- Nel circuito di alimentazione è presente una sezione le cui tensioni risultano separate dalla massa generale del telaio. Sullo schema elettrico vengono definite aree calda e fredda. Prestare particolare attenzione. Tutti i circuiti escluso quello di alimentazione sono freddi.

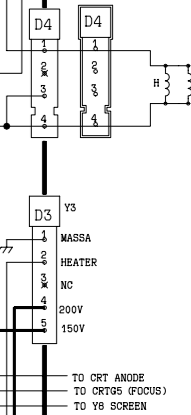
B BOARD  
TNPA0317

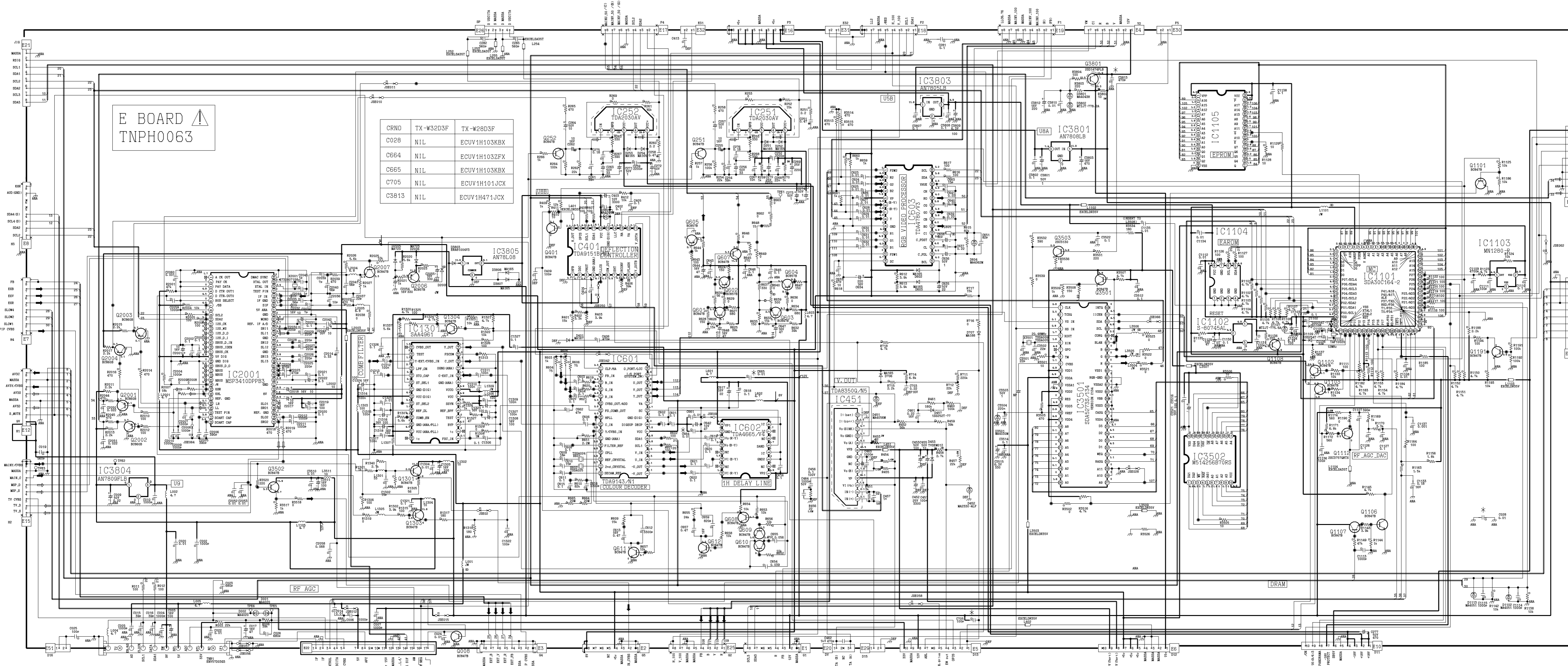


D BOARD  
TNPA0295



(Correction for Earth M/G)





E BOARD  
TNP0063

CRN0	TX-W32D3F	TX-W28D3F
C028	NIL	ECUV1H103KBX
C664	NIL	ECUV1H103ZFX
C665	NIL	ECUV1H103KBX
C705	NIL	ECUV1H101JCX
C3813	NIL	ECUV1H471JCX

12V  
S.WHITE  
AV3 D  
AV3 S  
AV3Y,CYBS  
MASDA  
AT5C

12V  
S.WHITE  
AV3 D  
AV3 S  
AV3Y,CYBS  
MASDA  
AT5C

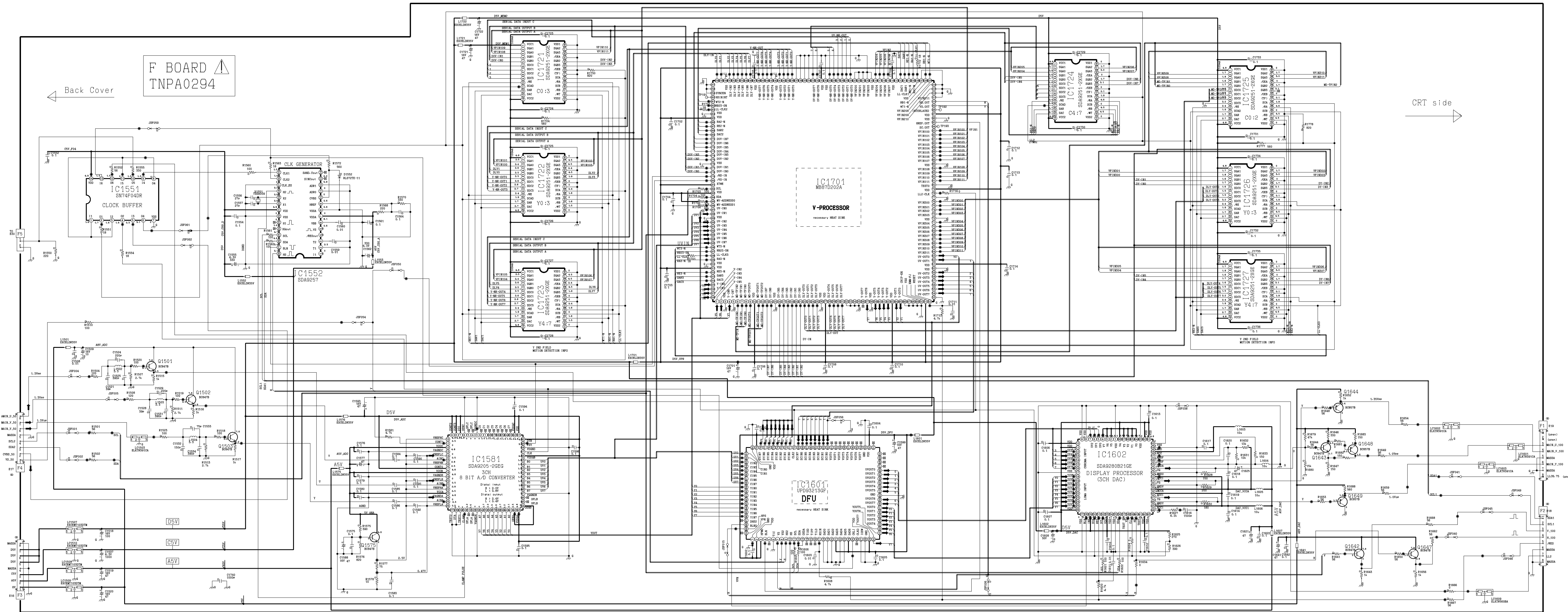
12V  
S.WHITE  
AV3 D  
AV3 S  
AV3Y,CYBS  
MASDA  
AT5C

12V  
S.WHITE  
AV3 D  
AV3 S  
AV3Y,CYBS  
MASDA  
AT5C

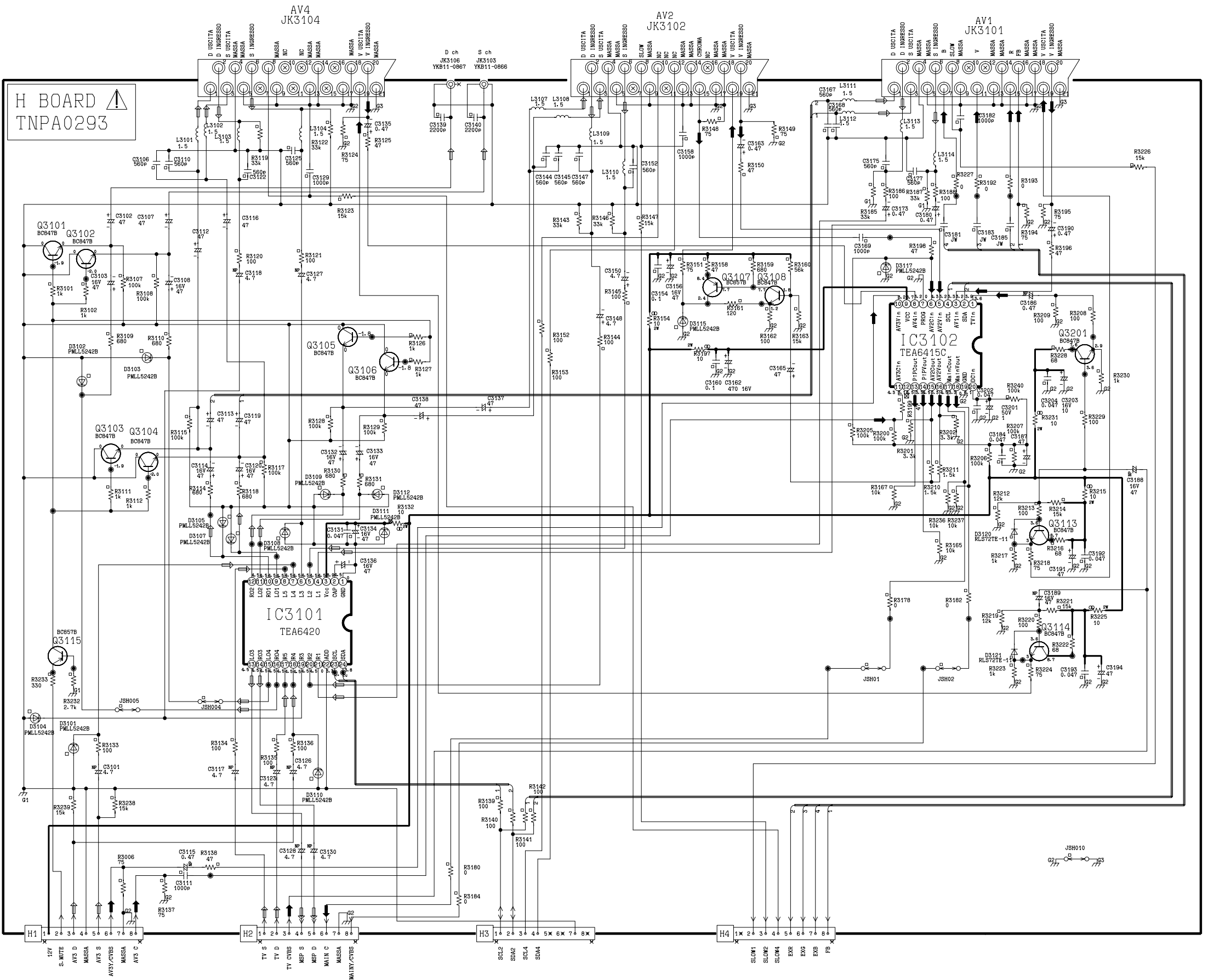
F BOARD  
TNPA0294

Back Cover

CRT side



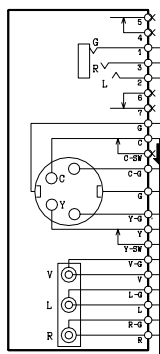
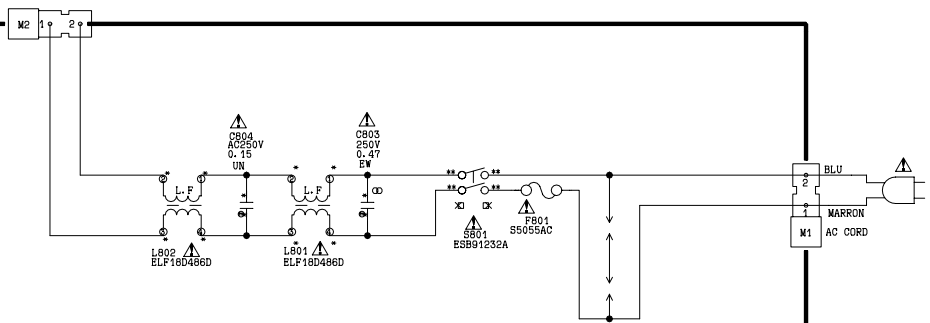
H BOARD  
TNPA0293



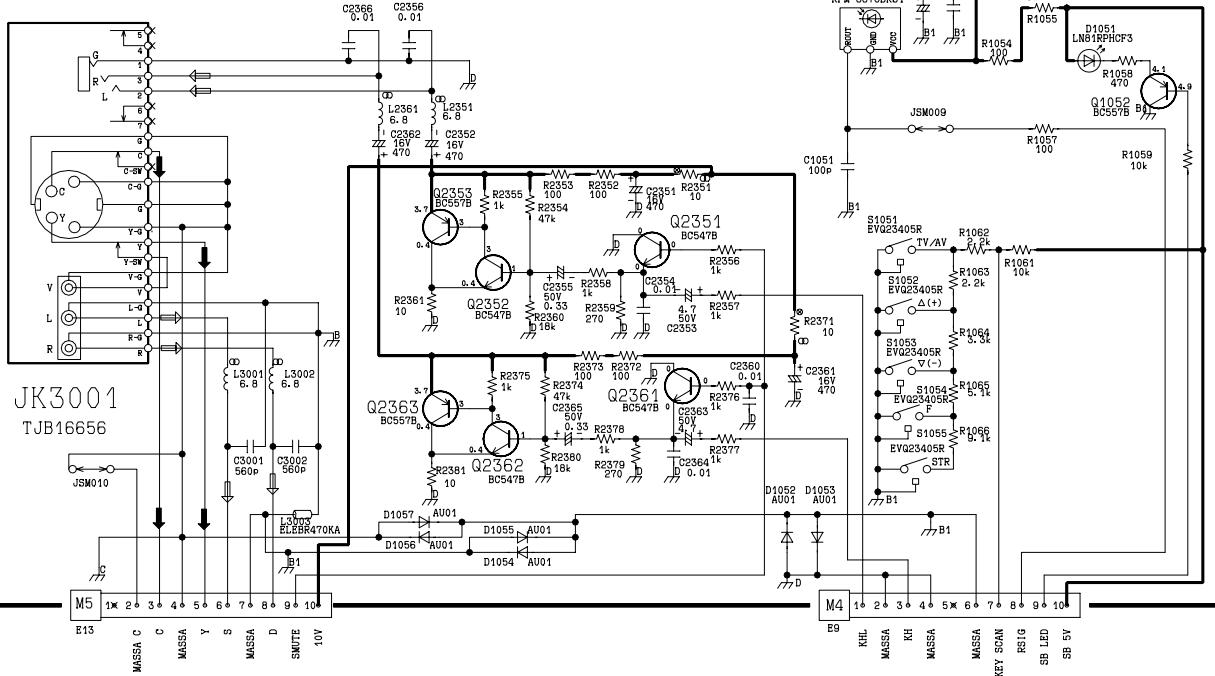
M BOARD  
TNPA0291

COLD

HOT



JK3001  
TJB16656



M5 1K 2 3 4 5 6 7 8 9 10  
E1S MASSA C C MASSA Y S D SINTRE 10V

M4 1 2 3 4 5 6 7 8 9 10  
E9 RH MASSA RH MASSA MASSA KEY SCAN REIG SB LED SB SV



M BOARD  
TNPA0348

COLD

HOT

M2 1 2

C804  
AC250V  
0.15

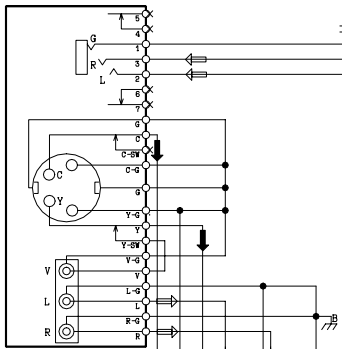
C803  
250V  
0.47

L802  
ELF18D486D

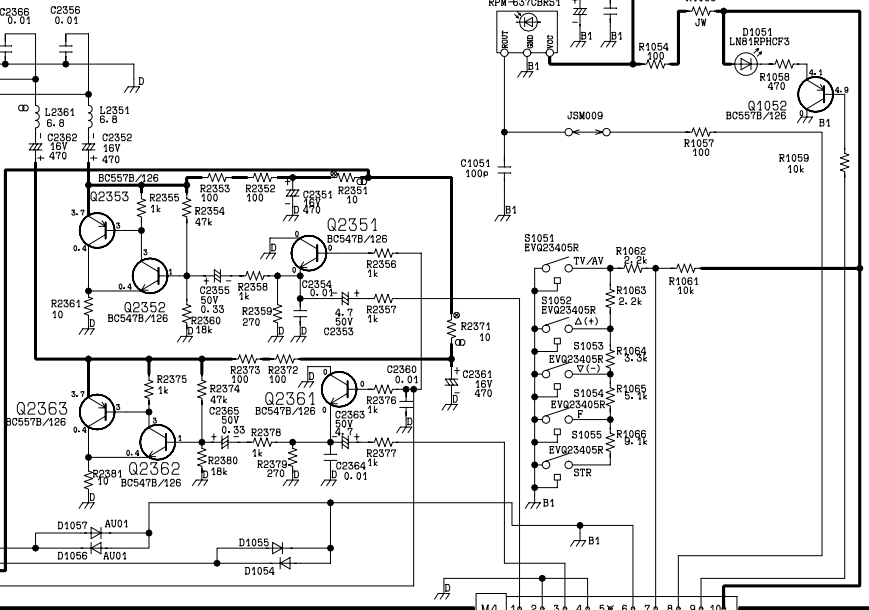
L801  
ELF16D486D

F801  
S501  
ES891232A

BLU  
MARRON  
M1 AC CORD



JK3001  
TJB16656



M5 1X 2 3 4 5 6 7 8 9 10

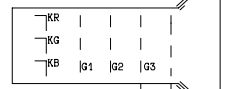
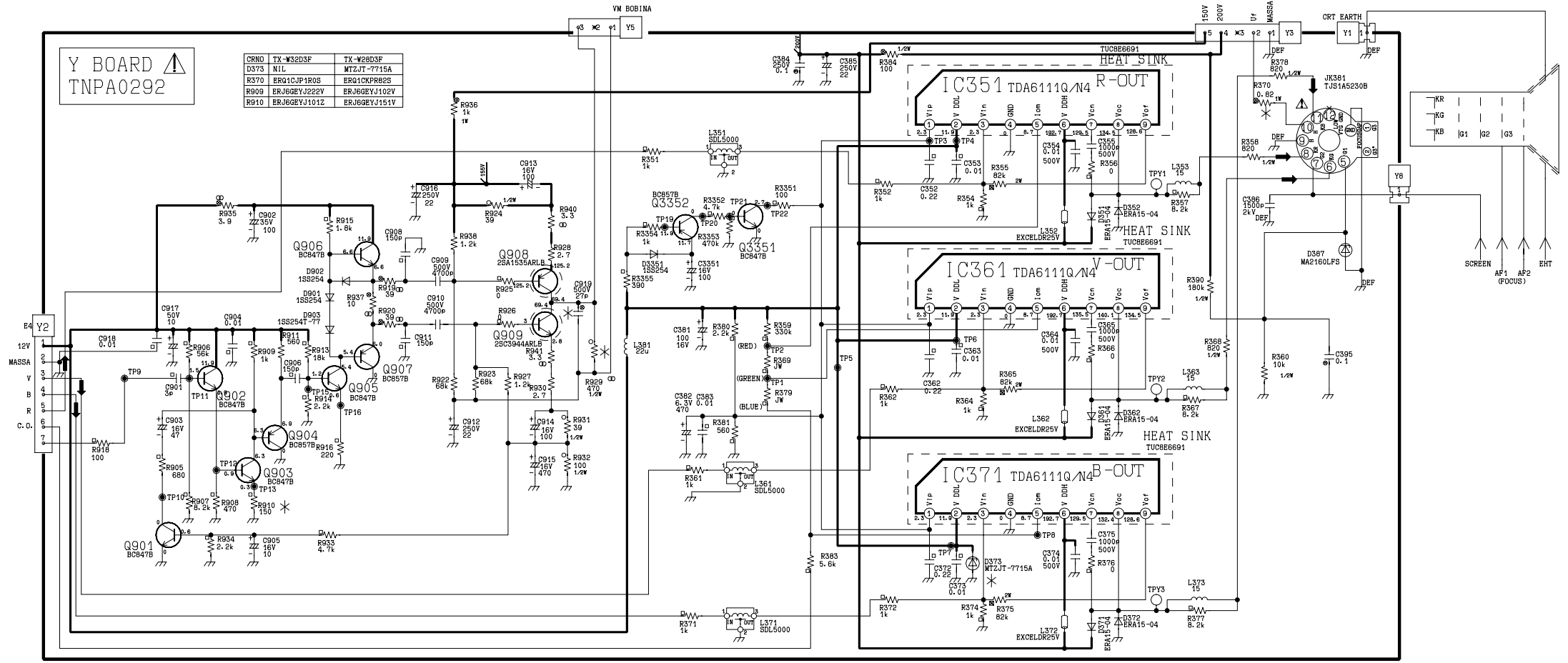
MASSA C  
MASSA S  
MASSA D  
SMUTE 10V

M4 1 2 3 4 5 6 7 8 9 10

KLH  
MASSA  
KH  
MASSA  
MASSA  
KEY SCAN  
RSIG  
S8 LED  
S8 5V

Y BOARD  
TNPA0292

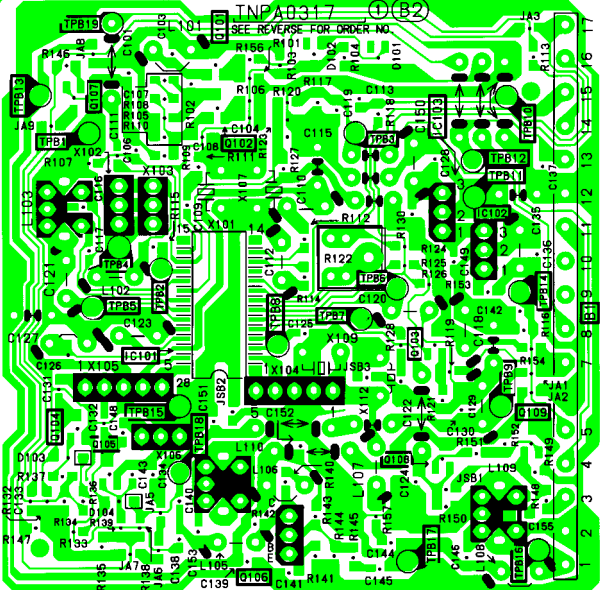
CRND	TX-W32DSF	TX-W28DSF
D373	N1L	MTZJT-7715A
R370	ERQ1CJP1R0S	ERQ1CKPR2S
R909	ERJ6GEYJ222V	ERJ6GEYJ102V
R910	ERJ6GEYJ101Z	ERJ6GEYJ151V

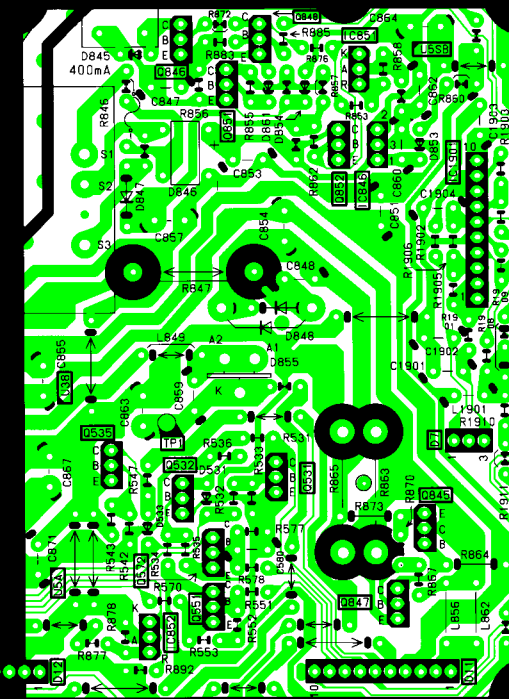
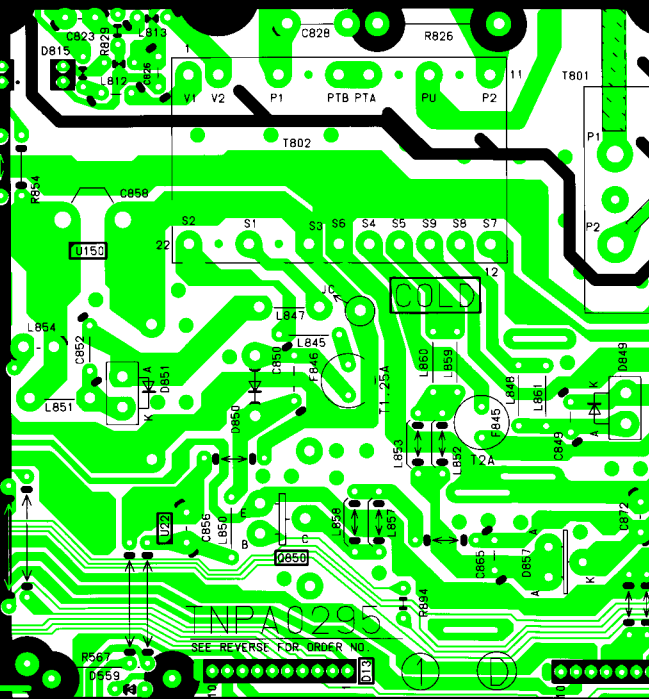
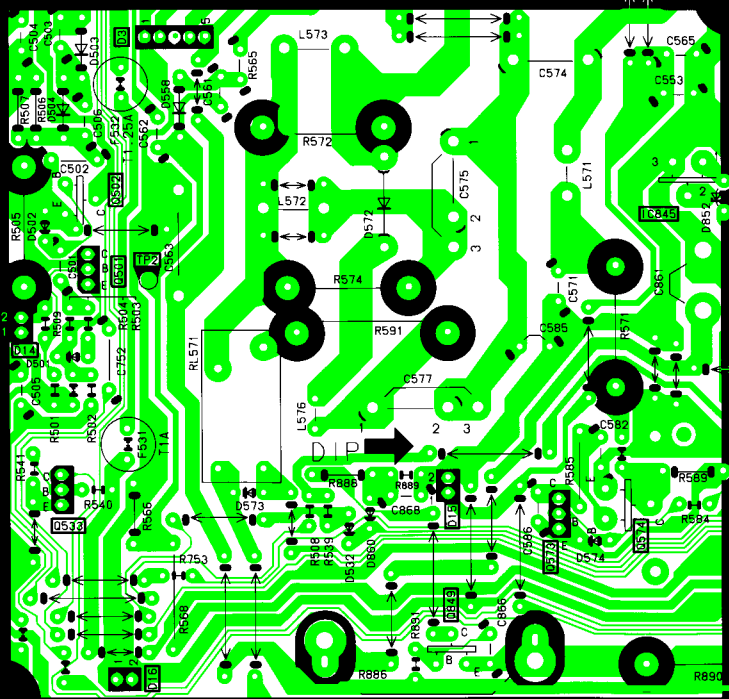
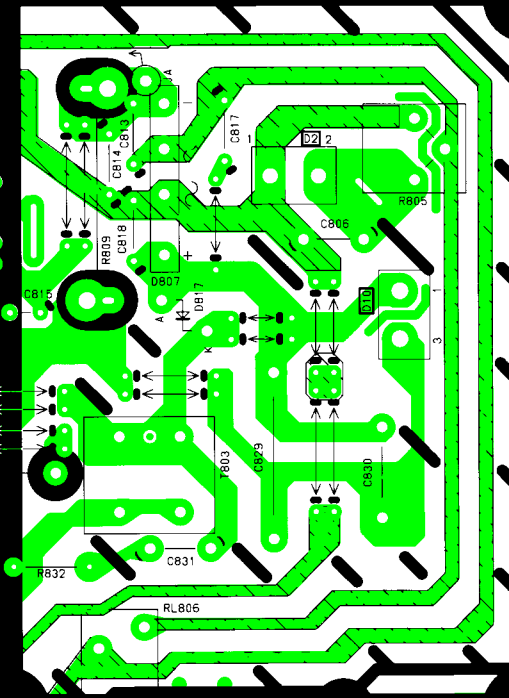
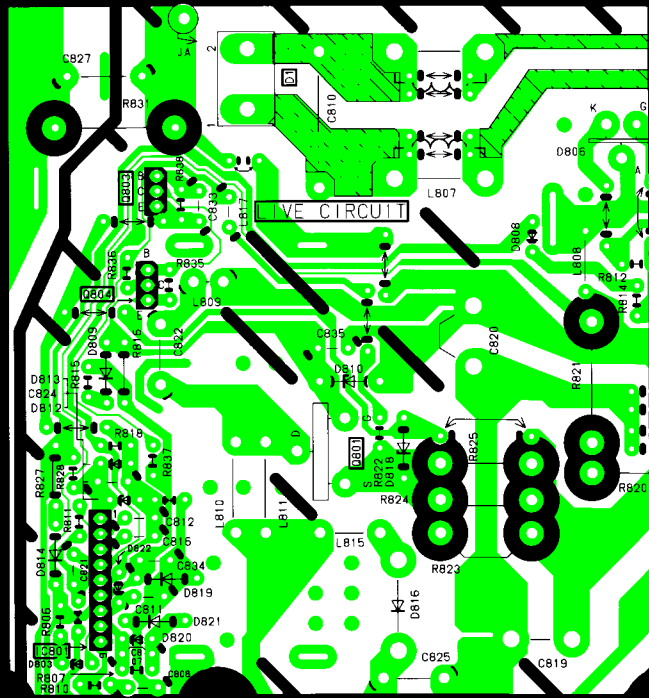
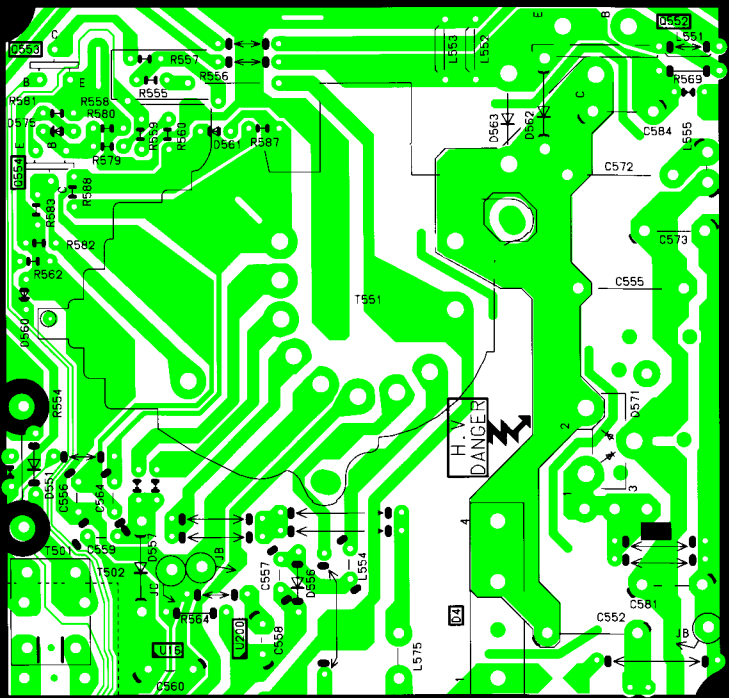


TNP A0317

(B2)

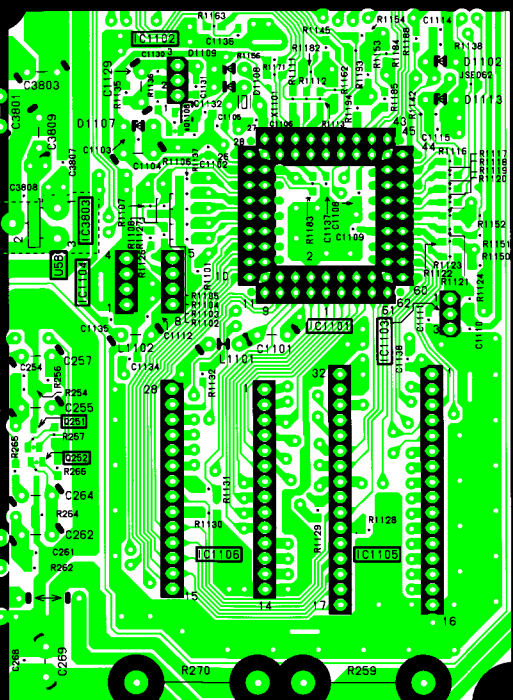
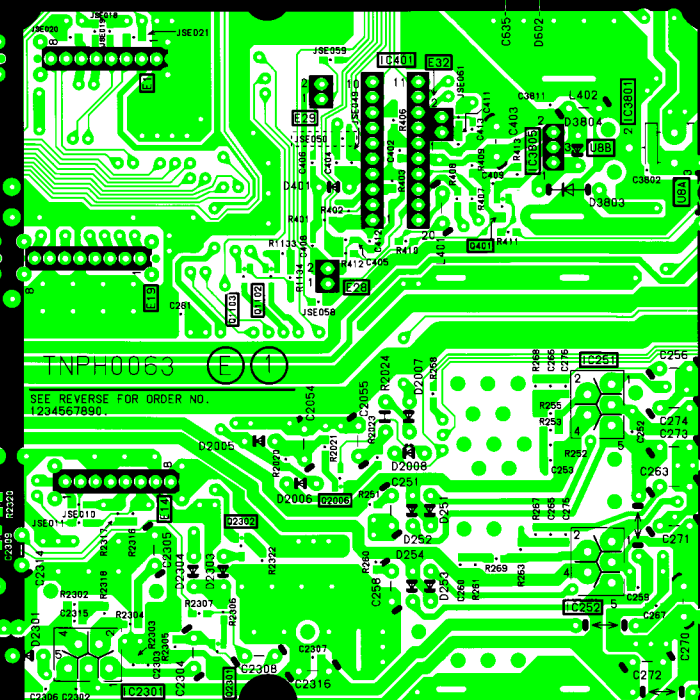
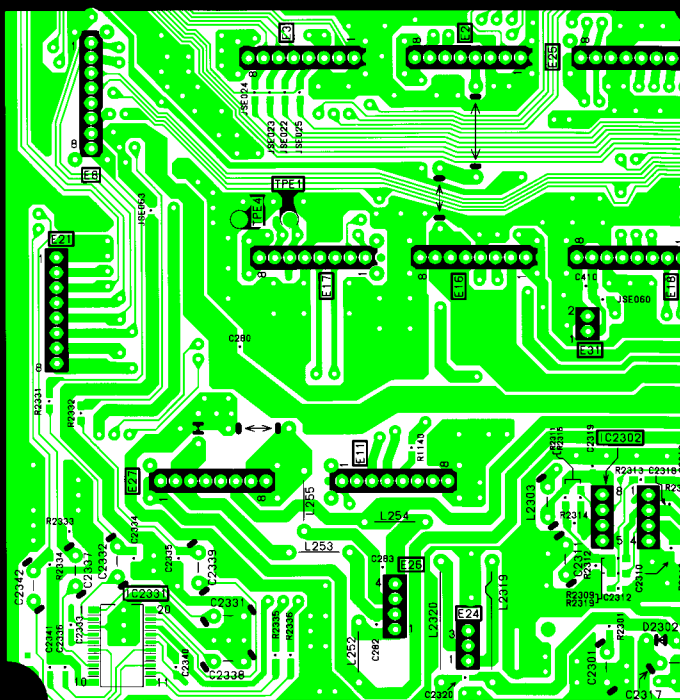
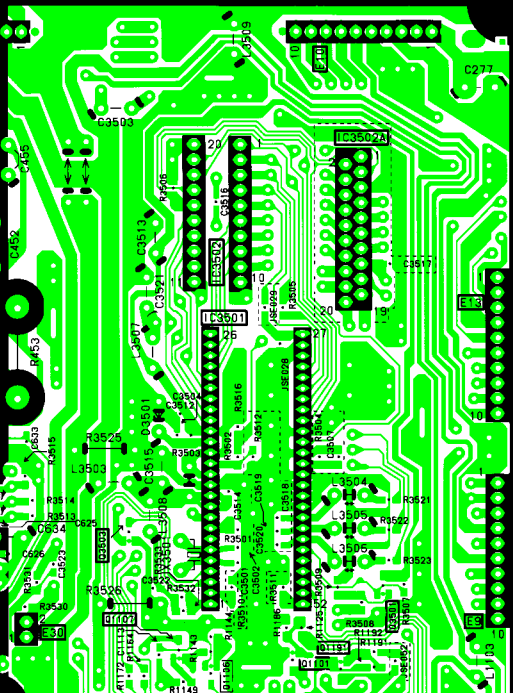
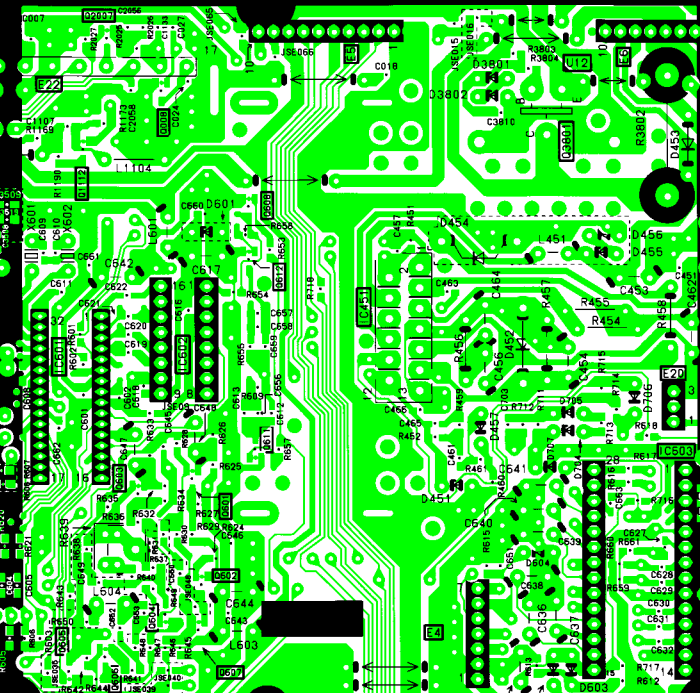
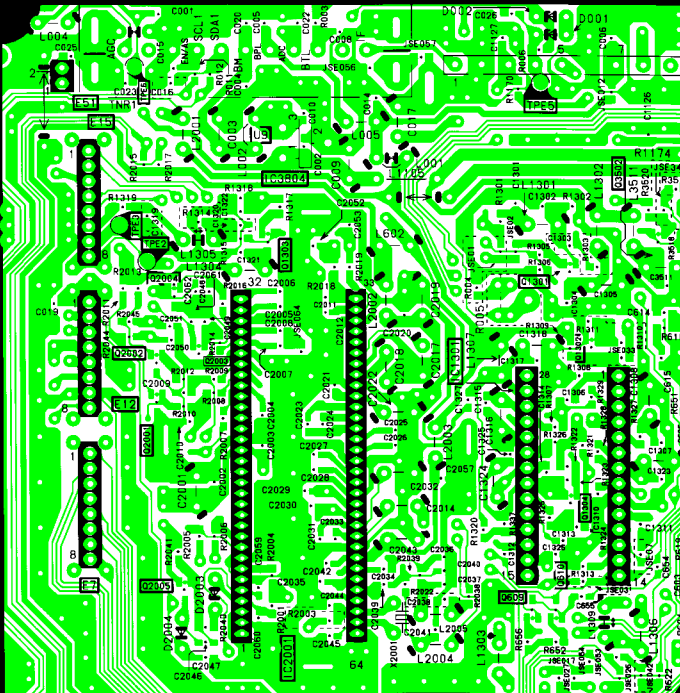
SEE REVERSE FOR ORDER NO.

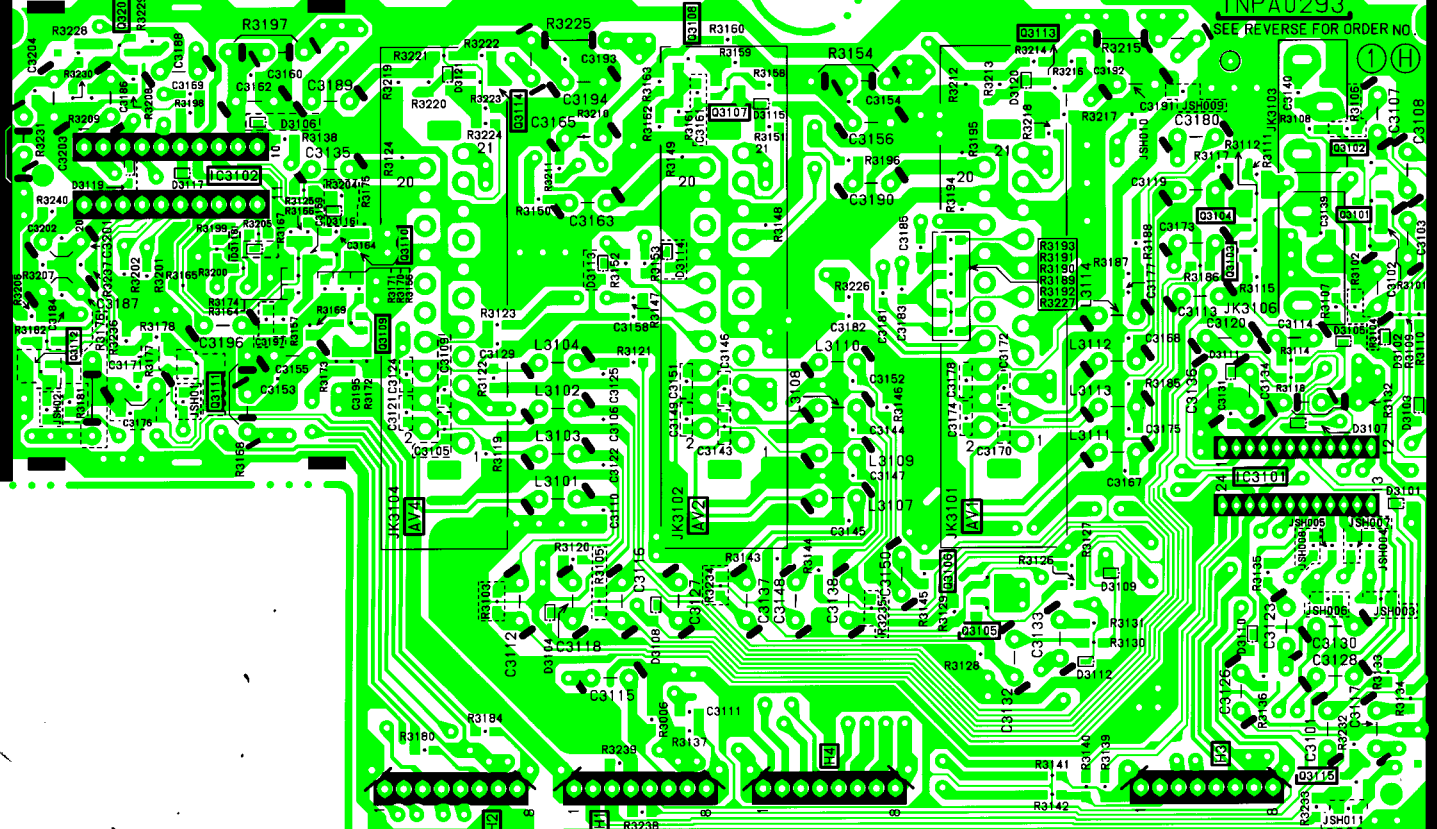


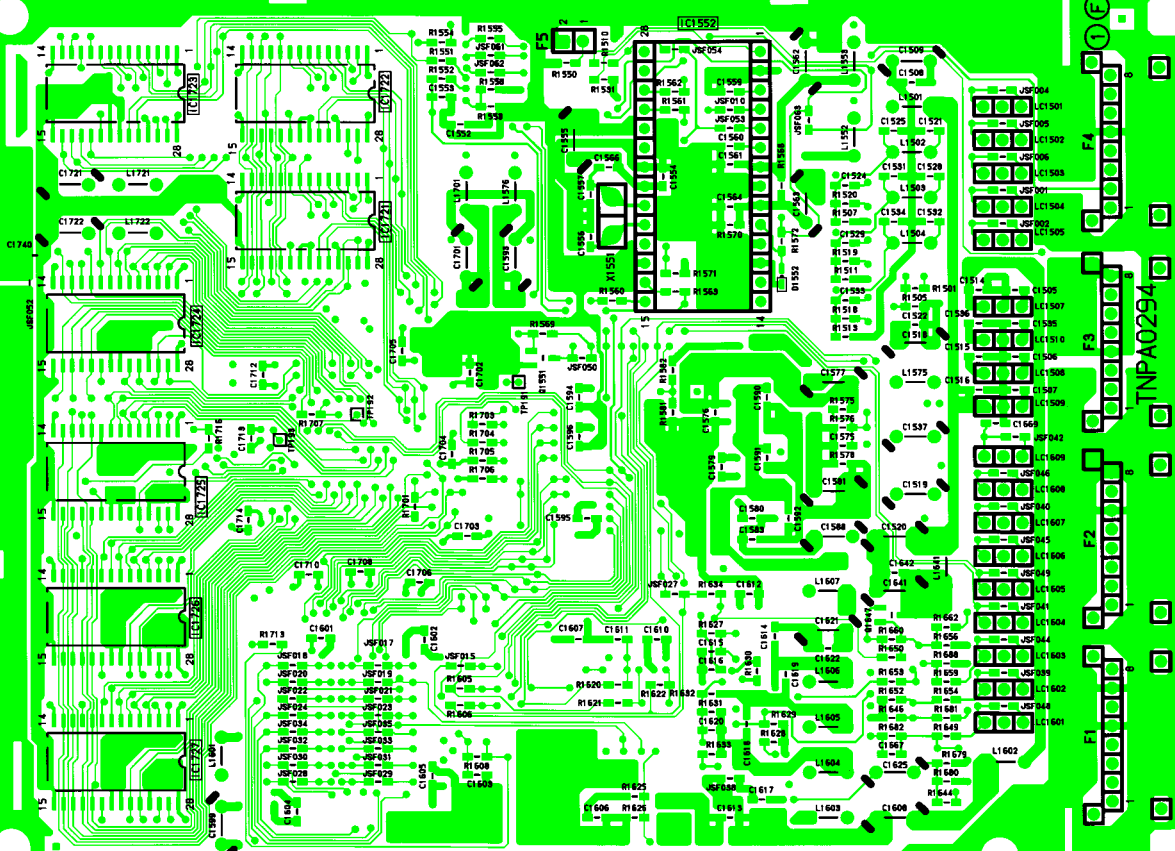


SEE REVERSE FOR ORDER NO.



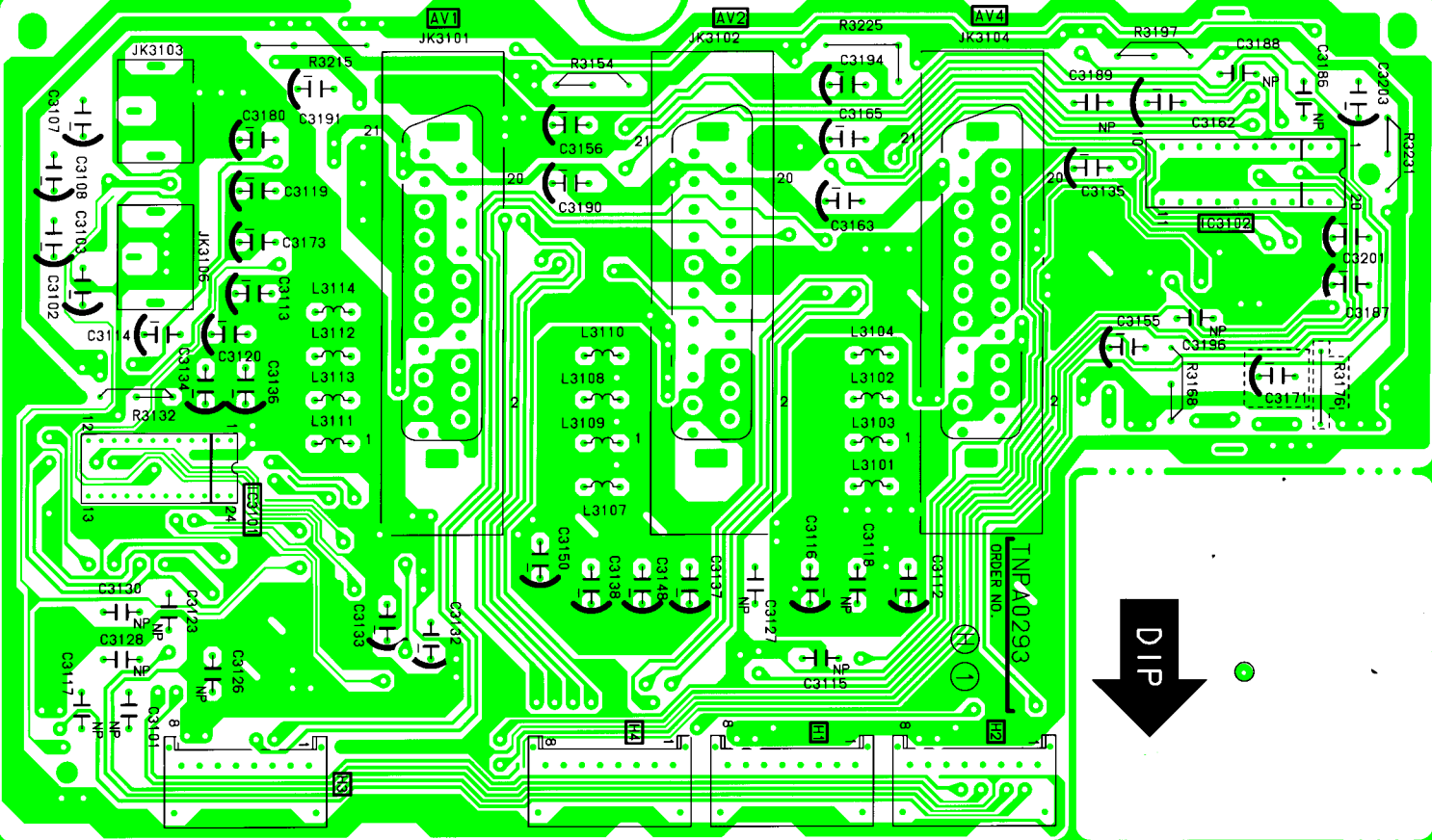






TNPA0294





DIP

INPA0293

ORDER NO.

AV1

AV2

AV4

JK3103

R3215

JK3101

R3154

JK3102

R3225

JK3104

R3197

C3188

C3186

C3203

R3231

C3107  
C3108  
C3109  
C3102

C3180  
C3191

21

C3156  
C3190

21

C3194  
C3165

21

C3189  
NP

C3182  
NP

C3135

C3187

C3201

C3187

C3104  
C3105  
C3106  
C3102

C3119  
C3173

L3114  
L3112  
L3113  
L3111

1

L3110  
L3108  
L3109

1

L3104  
L3102  
L3103

1

C3155  
NP

C3156  
NP

C3171

R3176

R3132

C3136  
C3137

2

C3150  
C3138  
C3148  
C3149

1

C3116  
C3118  
NP

1

C3175  
NP

R3168  
NP

C3187

C3201

C3130  
C3128  
C3117

C3123  
NP

C3133

C3137  
NP

1

C3127  
NP

1

C3112

C3113

C3187

C3201

C3126  
NP

C3126  
NP

C3133

C3137  
NP

1

C3127  
NP

1

C3112

C3113

C3187

C3201

C3126  
NP

C3126  
NP

C3133

C3137  
NP

1

C3127  
NP

1

C3112

C3113

C3187

C3201

C3126  
NP

C3126  
NP

C3133

C3137  
NP

1

C3127  
NP

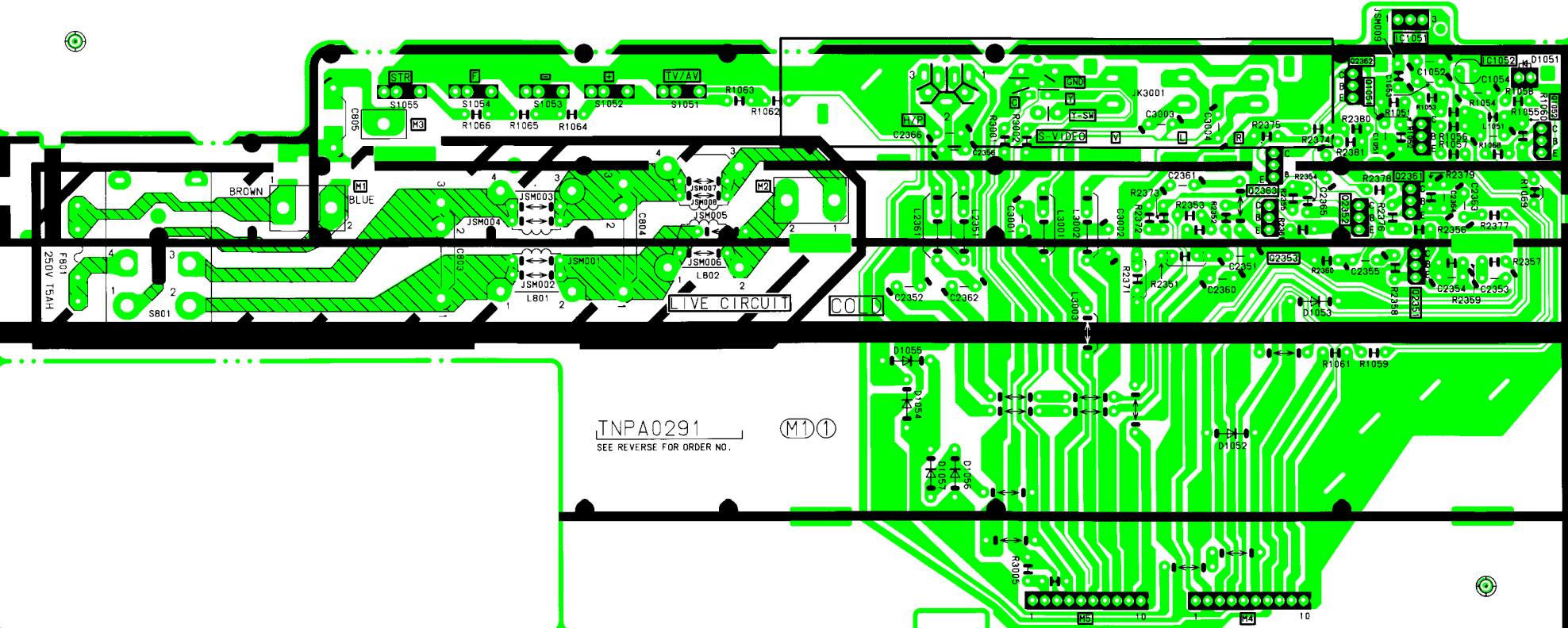
1

C3112

C3113

C3187

C3201



TNPA0292

SEE REVERSE FOR ORDER NO.

(2) (Y)

H.V. DANGER

JK381

