Service Manual

Colour Television EURO 3HW Chassis

TX-W32D2F

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ORDER NO. SM-96048

Service Manual

TELEVISORE A COLORI
TX-W32D2F
TELAIO N. EURO-3HW

Caratteristiche

Alimentazione :	220 - 240 V AC, 50Hz	
Consumo :	173W	
Impedenza dell' antenna :	75W unbalanced, Coaxial Type	
Sistema di Ricezione:	PAL B/G, D/K, I, H, PAL - 60 SECAM B/G, D/K, L/L' M.NTSC, NTSC (Solo ingresso AV)	
Canali Ricezione:	VHF E2 - E12 VHF H1 - H2 (ITALY) VHF A - H (ITALY) VHF R1 - R2 VHF R3 - R5 VHF R6 - R12 UHF E21 - E69 CATV (S01 - S05) CATV S1 - S10 (M1 - M10) CATV S11 - S20 (U1 - U10) CATV S21 - S41 (HYPERBAND)	
Frequenze intermedie :		
Video	38.9MHz,34MHz	
Sound	32.9MHz,33.4MHz 33.16MHz,32.4MHz 40.4MHz,34.05MHz,33.05MHz	
Colore	34.65MHz,34.47MHz,34.5MHz	
Video / Audio Prese :		
AUDIO MONITOR USCITA	Audio (RCA x 2)	500 mV rms 1kW
AV1 INGRESSO	Video (21 pin) Audio (21 pin) RGB (21 pin)	1 Vp-p 75W 500 mV rms 10kW
AV1 USCITA	Video (21 pin) Audio (21 pin)	1 Vp-p 75W 500 mV rms 1kW
AV2 INGRESSO	Video (21 pin) Audio (21 pin) S-Video IN (21 pin)	1 Vp-p 75W 500 mV rms 10 kW Y : 1 Vp-p 75W C : 0.3 Vp-p 75W
AV2 USCITA	Video (21 pin) Audio (21 pin) Selectable output (21 pin)	1 Vp-p 75W 500 mV rms 1kW
AV3 INGRESSO	S-Video IN (4-pin) Audio (RCA x 2) Video (RCA x 1)	Y : 1 Vp-p 75W C : 0.3 Vp-p 75W 500 mV rms 10kW 1 Vp-p 75W
AV4 INGRESSO	Video (21 pin) Audio (21 pin)	1 Vp-p 75W 500 mV rms 10kW
AV4 USCITA	Video (21 pin) Audio (21 pin)	1 Vp-p 75W 500 mV rms 1kW
Tensione all' anodo :	30.5 kV "1kV	
Tubo catodico :	W76LFC185X05 82 cm 106_ deflection	
Potenza audio :		
Altoparlanti interni	2 x 20W (Sinistro/Destro) (Musicali) 26W (3D Bass) (Musicali) 8 W Impedance	
Cuffia	8 W Impedance	
Accessori :	Telecomando R6 (UM3) Batterie	
Dimensioni :	Altezza : Larghezza : Profondità :	553mm 862mm 555mm
Peso netto	52kg	

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

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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 istallati.
4. Quando il televisore non viene utilizzato per lunghi periodi, scollegarlo della rete.
5. Alta tensione (31.5kV) è presente quando il televisore é in funzione. Utilizare il televisore senza il pannello posteriore comporta il pericolo di scosse elettriche dai circuti 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.

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 4MW e 20MW ; 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 transformatore di isolamento per questo controllo.
2. Collagare una resistenza da 2KW 10W in serie con una parte metallica esterna del televisore e con un punto di terra (esempio: tubi dell'acqua).
3. Utilizzare un voltmetro AC con sensibilità 1000W/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'é pericolo di scossa eletrica e il televisore deve essere riparato e controllata prima di essere riconsegnato al proprietario.

Esempio di collegamento per la disper sione a caldo

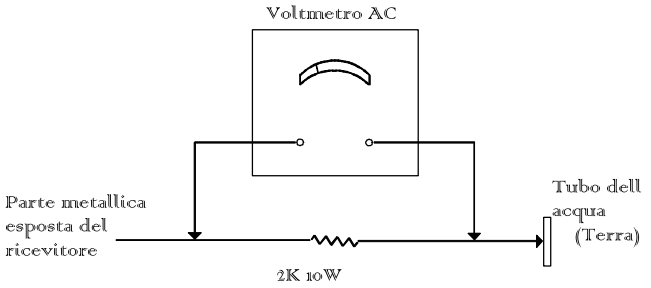


Fig.1

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 funzionalita 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 emmissione di raggi X, é indispensabile utilizzare il cinescopio specificato.

UBICAZIONE DEI CONTROLLI

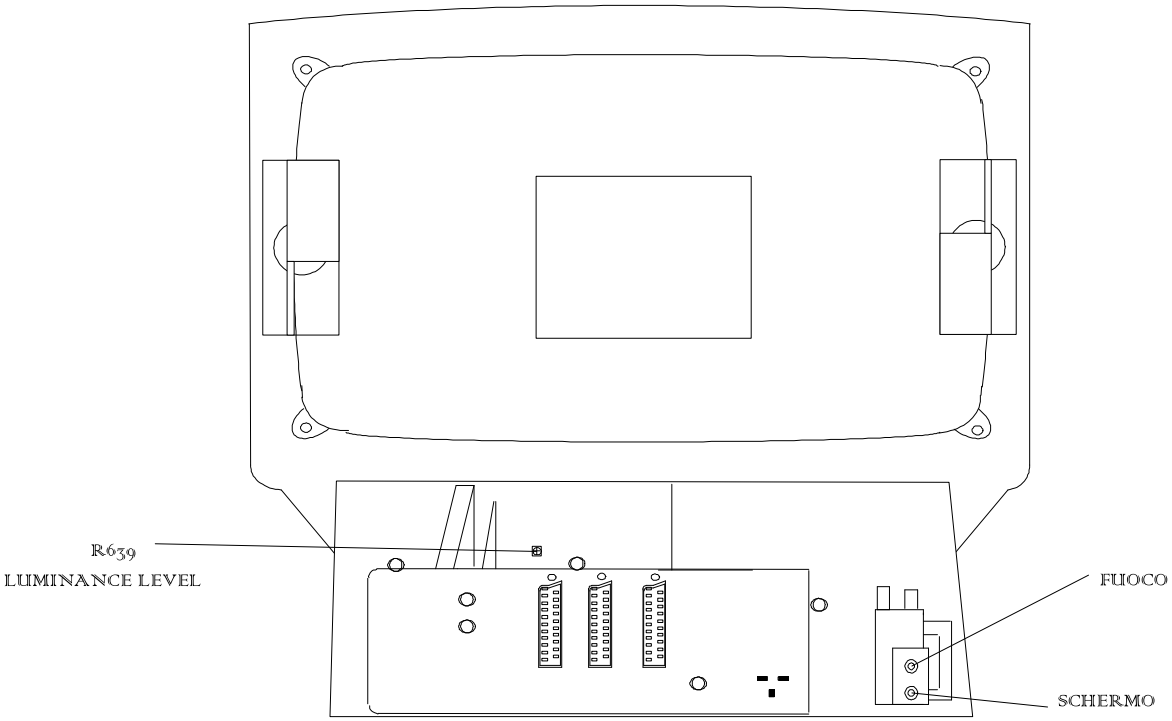


Fig.2

CONSIGLI PER L'ASSISTENZA

Come rimuovere il pannello posteriore

1. Rimuovere le 10 viti (A) come indicato in Fig.3/Fig.4

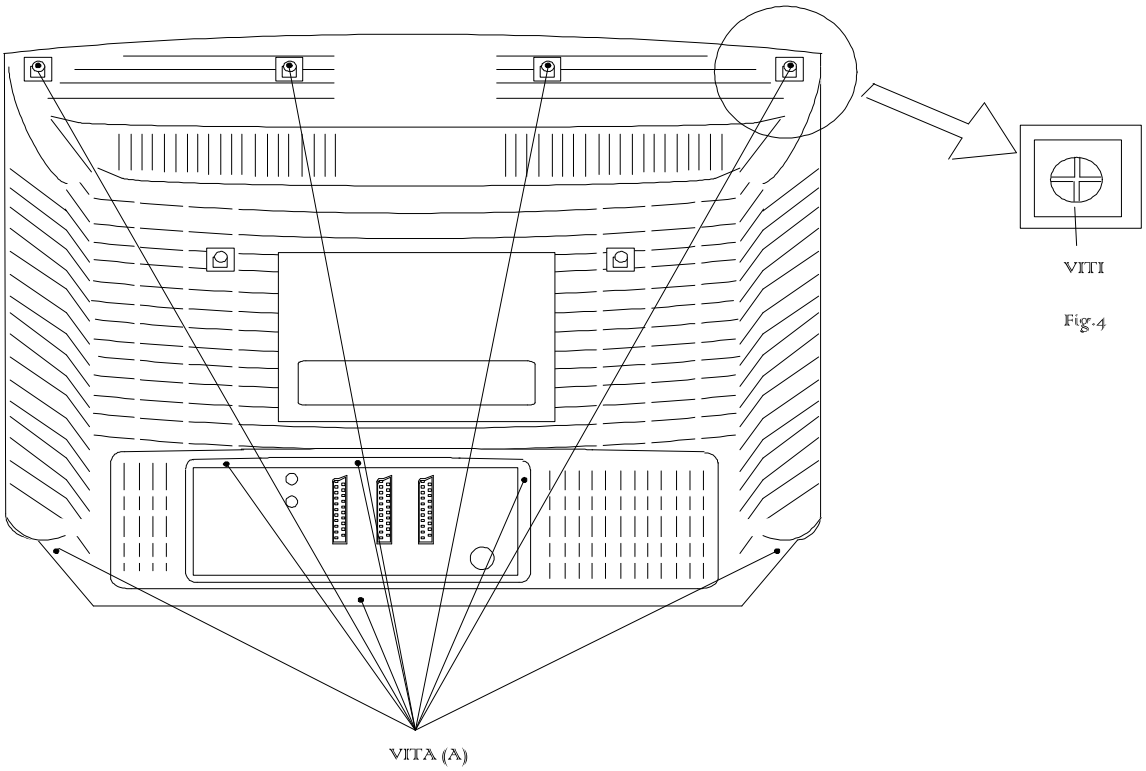


Fig.4

Fig.3.

Service Mode

Il telecomando serve anche per impostare e memorizzare le regolazoni 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 bassi al massimo, e gli Acuti al Minimo, premere il tasto REVEAL sul telecomando e contemporaneamente il tasto -/v posto nella tastiera del TV. (Con il TELECOMANDO SERVICE TZS2EK004 premere il tasto SERVICE e contemporaneamente il programma zero)
2. Premere i tasti ROSSO o VERDE per selezionare le Funzioni.
3. Premere i tasti GIALLO o BLU per modificare i valori
4. Premere i 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 puo ' 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 AV2 21pin,ed accendere il TV.
2. Entare 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 AV2 21pin,ed accendere il TV.
2. Entare 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 nel 'unita' di memoria vengono copiati nell 'TV' . Questa procedura richiede 2-3 minuti, ed al termine lo schermo visualizza:-

OK!

5. I dati di sintonizzazione prelevati dal '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".

VALORI DI ALLINEAMENTO, ESEMPI:

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

Funzione di compensazione		**Particcolarita della posizionatura /Valori di pos.**
Ampiezza vert	V-AMP 038	Posizione ottimale
Linearita vert	V-LIN 022	Posizione ottimale
Posizione verticale	V-POS 005	Posizione ottimale
Ampiezza orrizz	H-AMP 043	Posizione ottimale
posizione orrizz	H-POS 035	Posizione ottimale
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	Posizione ottimale
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

PROCEDURA DI TARATURA

Item/Preparation	Adjustments
REGOLAZIONE +B 1. Ricevere segnale a barre colori 2. Predisporre i controlli: Luminosita' minimo Contrasto minimo Volume minimo	1. Confermare le seguenti alimentazioni. **E PCB** **U5B** 5 _ 0.5V **U8B** 8 _ 0.5V **U8** 8 _ 0.5V **U9** 9 _ 0.5V **U12** 11.8 _ 0.5V **D PCB** **U5A** 5.1 _ 0.12/0.1V **U5SB** 5 _ 0.25V **U15** 15 _ 0.7V **U16** 16.1 _ 0.8V **U22** 22.5 _ 1V **U38** 38 _ 1V **U47** 47.5 _ 2.5V **U150** 150 _ 1V **U200** 204 _ 10V

SELF CHECK

Il "SELF CHECK" e'usato per testare le linee "BUS" tra la CPU e le altre sezioni del TV ad essa collegate. Se una di queste viene riconosciuta come "incorretta", due trattini meno (- -) verranno visualizzati al posto di "OK". Per accedervi premere sul telecomando il tasto di STATUS e contemporaneamente il tasto -/v nella tastiera del TV.
:-

0	—	ok	Tuner	8	—	--	Dolby Sub	16	—	ok	P SDA
1	—	ok	VIF	9	—	--	Dolby IC for L/R	17	—	ok	P
2	—	ok	EEPROM	10	—	--	Dolby IC for C/R	18	—	ok	P SCL3
3	—	ok	Sound AV switch1	11	—	ok	P S MODE	19	—	ok	P SCL4
4	—	ok	Video AV switch	12	—	ok	P TA0	20	—	ok	P SBLED
5	—	ok	VDP	13	—	ok	P TA1	21	—	ok	P OFF
6	—	ok	TPU	14	—	ok	P TA2	22	—	ok	P DEFL
7	—	ok	MSP	15	—	ok	P TA3	23	—	ok	P RAM

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

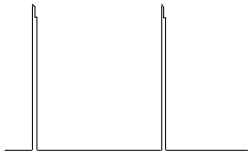
Hexadezimalcode

09
73
F7
1F
BB
FB
03

FORMA D' ONDA

IC 3501 PIN3

1mS



IC 3501 PIN4

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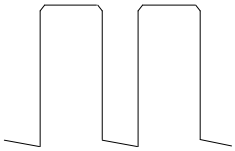
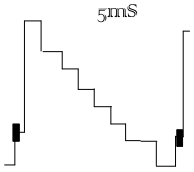


IC601 PIN25

5mS

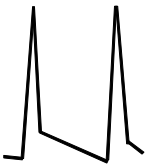
IC601 PIN26

5mS



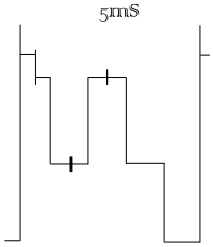
Q552 COLLECTOR

20mS



IC 603 PIN 20

5mS



IC 603 PIN 24

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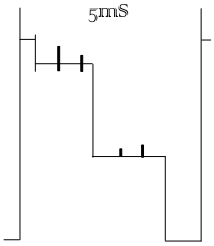

IC 603 PIN 22

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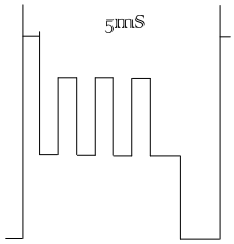
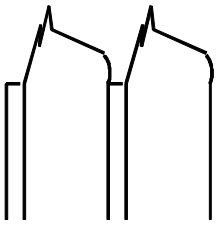


Q502 COLLECTOR

64mS



IC 1801 PIN 10

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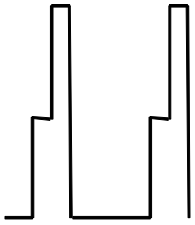

IC 1803 PIN 12

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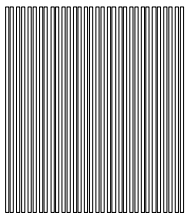

IC 1803 PIN 1

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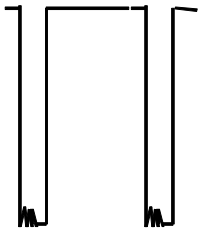

IC 1841 PIN 10

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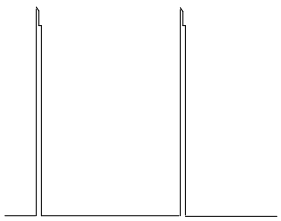

IC 1801 PIN 26

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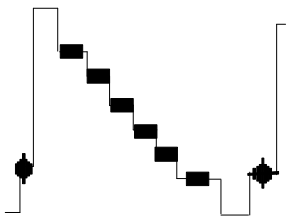

IC 371 PIN 3

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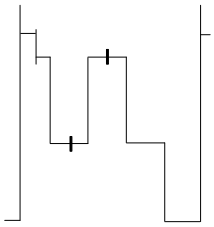

IC 351 PIN 3

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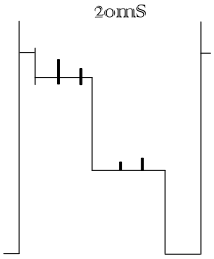

IC 361 PIN 3

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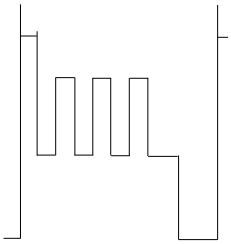
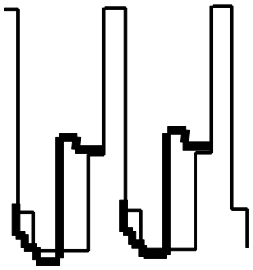


TPY1

5mS



TPY2

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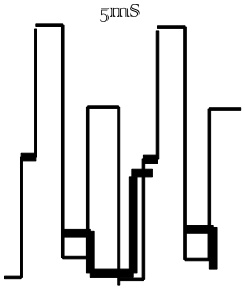

TPY3

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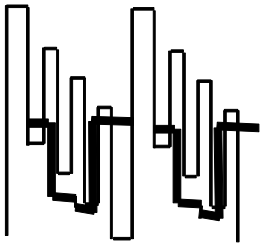
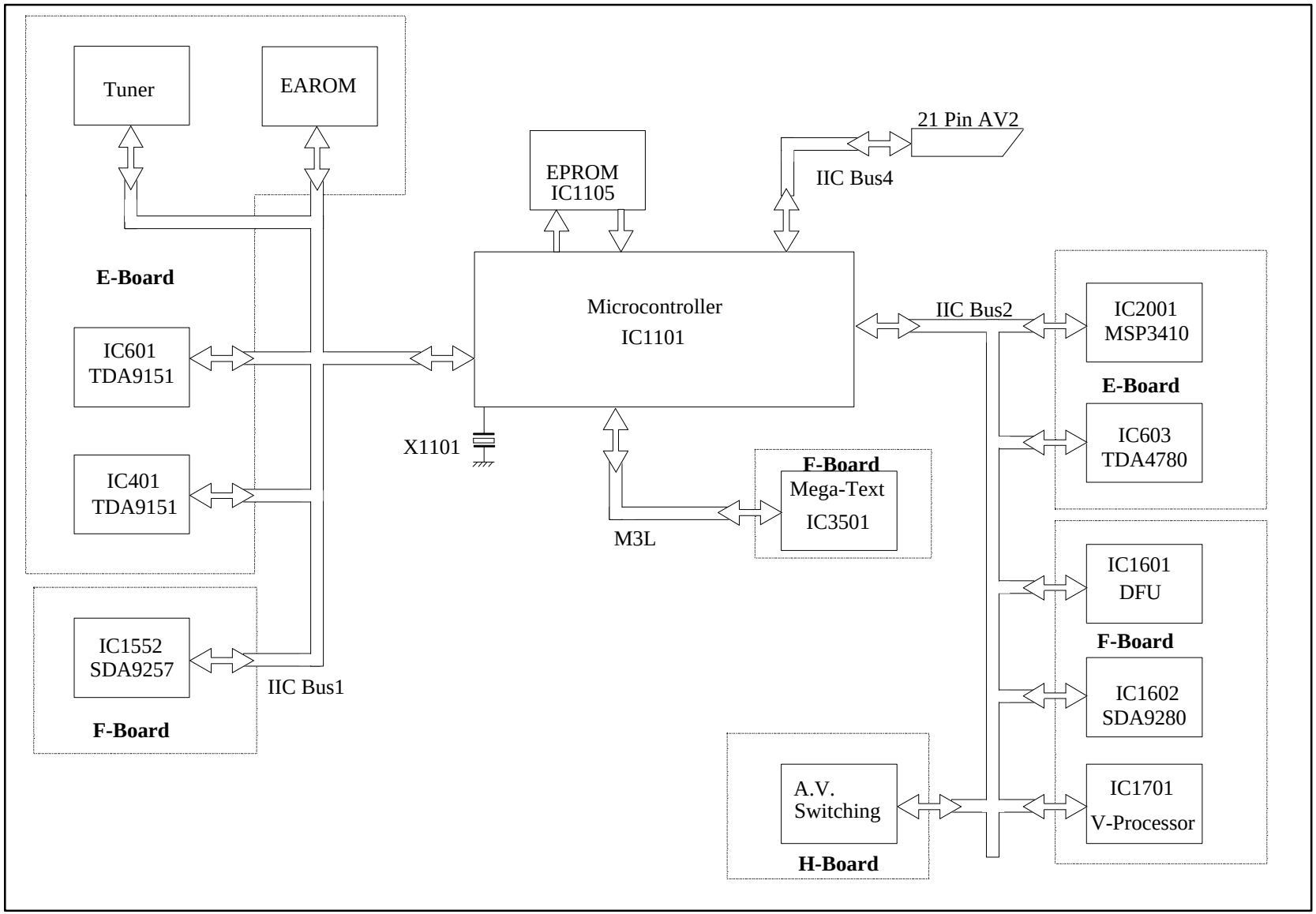
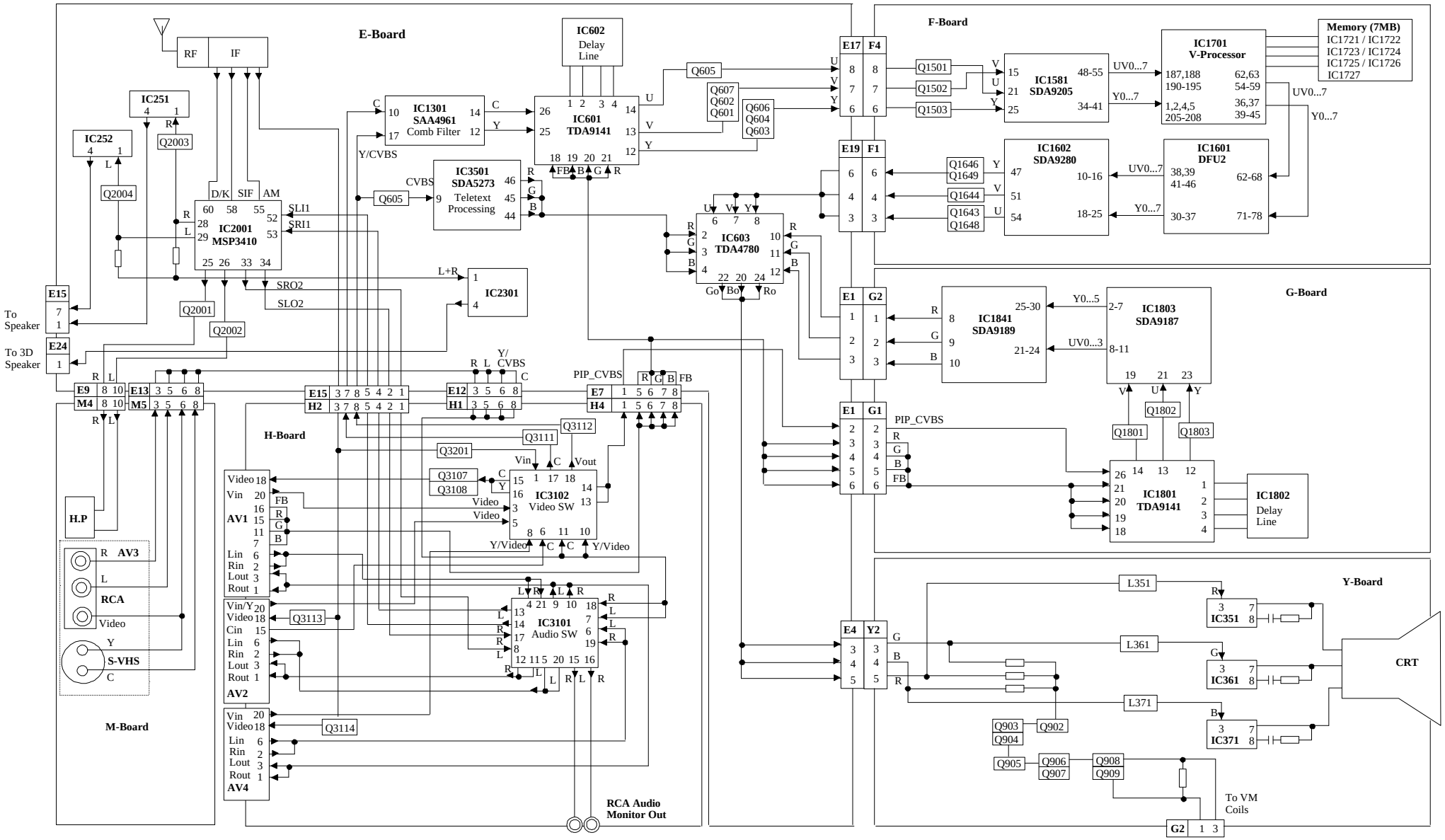


CONTROL BLOCK DIAGRAM



VIDEO AND AUDIO SIGNAL PROCESSING
BLOCK DIAGRAM



SCHEMA ELETTRICO
TX-W32D2F
(TELAIO EURO-3HW)

IMPORTANTE

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

Nota

1. RESISTENZE
   Tutte le resistenze sono al carbone da 1/8W se sono contrassegnate come segue:
   I valori sono esspressi in OHM W K=1,000 M=1,000,000.
2. CONDENSATORI
   Tutti i condensatori sono ceramici 50V, se non sono contrassegnatti come segue:
   I valori sono espressi i mF, se non diversamente specificato.
3. BOBINE
   I valori sono espressi in µH, se non diversamente specificato.
   Il contrassegno "L" sullo schema elettrico indica la polarità.
4. TEST POINT

   Posizione dei Test point

5. MASSA

   Massa Telaio (Freddo)

   Massa Linea (Caldo)

6. CONTROLLI DI TENSIONE
   Le tensioni sono misurati con voltmetro DC alle seguenti condizioni:

Tensione di rete	AC 220 - 240V nominale 50Hz
Segnale campione	segnale barre colore (RF)
Comandi esterni	al massimo

7. Indica il flusso di segnale principale

   Video

   Audio

   Verticale/orizzontale

8. Questo schema elettrico è soggetto a variazioni senza preavviso.

Precauzioni

a. Nell' intendo di prevenire possibili scosse elettriche evitaer conttemporaneamente le senzioni definite calde e fredde.

b. Un corto circuito fra le due senzione può provocare anomalie nei componenti.

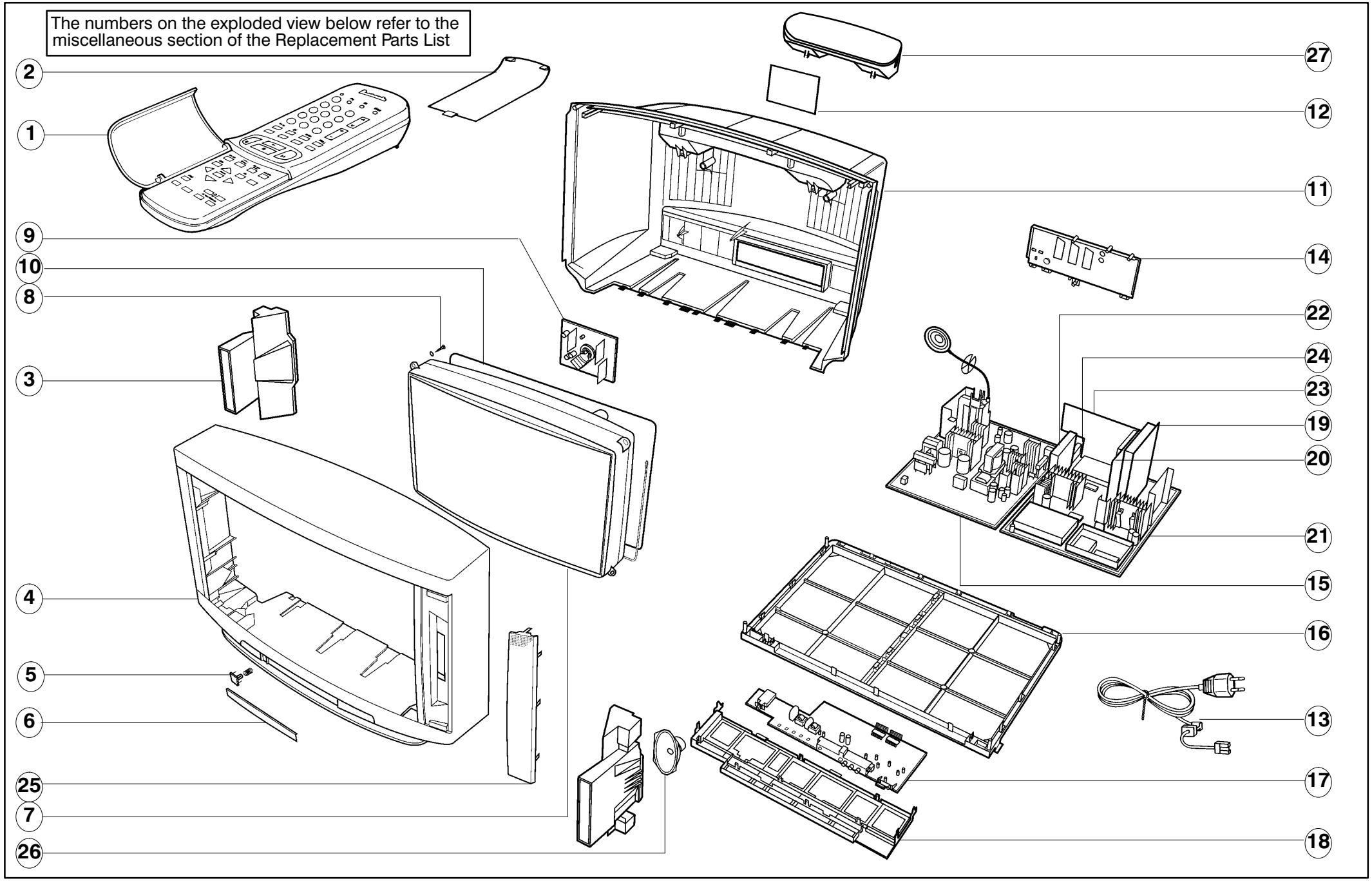
c. Nell' utilizzo di uno strumento di misura la massa dello stesso deve essere collegata alla massa del circuito da misurare.

d. Le resistenze sotto indicate sono componenti fusibili di sicurezza, e risultano differenziati per valore di corrente.

Nota :

9. Nel circuito di alimentazione è presente una sezione le cui tensioni risultano separata dalla massa generale del telaio.
   Sullo schema elettrico vengono define aree calda e fredda. Prestaer particolare attenzione.
   Tutti i circuiti escludono quella di alimentazione sono freddi.

PARTS LOCATION



ELENCO PARTI DI

Nota : Componenti contrassegnati ⚠ sono di sicurezza e devono essere solo con quelli

MISCELLANEOUS COMPONENTS

1)	EUR51922	REMOTE CONTROL	
2)	UR51EC780	BATTERY COVER (REMOTE)	
3)	TKK8E026	SPEAKER REFLECTOR	
4)	TKY8E110	CABINET	⚠
5)	TBX8E033	POWER BUTTON	
6)	TKP8E1149	LID	
7)	W76LFC185X05	CRT	⚠
8)	THT1062	CRT FIXING SCREW	
9)	TNPA0292AA	Y P.C.B.	⚠
10)	TLK8E05123	DEGAUSS COIL	⚠
11)	TKU8E00290	BACK COVER	⚠
12)	TBM8E1536	MODEL LABEL	
13)	TSX8E0020	POWER CORD	⚠
14)	TKP8E1153	AV COVER	
15)	TNPA0295AA	D P.C.B.	⚠
16)	TMX8E014	CHASSIS FRAME	
17)	TNPA0291AA	M P.C.B.	⚠
18)	TMW8E023	CONTROL BRACKET	
19)	TNPA0294AA	F P.C.B.	⚠
20)	TNPA0297AA	G P.C.B.	⚠
21)	TNPH0063AA	E P.C.B.	⚠
22)	TNPA0317AA	B P.C.B.	⚠
23)	TNPA0293AA	H P.C.B.	⚠
24)	ENV57D03G3	TUNER	⚠
25)	TKP8E1148	NET	
26)	EAGG1218F2	SPEAKER	
27)	EAB10102B2	3D SPEAKER	
	TLK8E05124	GEOMAGNETIC CORRECTION	
	TMX8E015	PCB SUPPORT BRACKET	
	832AG11D-ESL	I.C.SOCKET	
	TBM173052	PANASONIC BADGE	
	TBM8E1532-1	PRESET PANEL	
	TEK6940	LID CATCHER	
	TKP8E1150	FRONT PANEL (LEFT)	
	TKP8E1160	FRONT PANEL (RIGHT)	
	TQB8E2219A	GERMAN INST BOOK	⚠
	TQB8E2219B	DUTCH INST BOOK	⚠
	TQB8E2219C	ITALIAN INST BOOK	⚠
	TQB8E2219D	FRENCH INST BOOK	⚠
	TQB8E2219E	SPANISH INST BOOK	⚠
	TQB8E2219F	SWEDISH INST BOOK	⚠
	TQB8E2219G	NORWEGIAN INST BOOK	⚠
	TQB8E2219H	SUOMI INST BOOK	⚠
	TQB8E2219J	PORTUGUESE INST BOOK	⚠
	TQB8E2219K	DANISH INST BOOK	⚠
	TQA8E2023	SCHEMATIC DIAGRAM (ITALY)	⚠
	TQB8E2221	ALIGNMENT (ITALY)	⚠
	TMW8E017	L.E.D.HOLDER	
	TPC8E4538	OUTER CARTON	
	TPD8E621	TOP CUSHION	
	TPD8E622	BOTTOM CUSHION	
	ECKC1H103JB	CERAMIC 50V 10nF	
	ERC12GK825	SOLID 0.5W 10% 8M2W	
	PCS-068A-1	68 PIN I.C. SOCKET	
	UM-3DEP-2P	BATTERY	

CAPACITORS

C002	ECUV1H102JCX	S.M.CAP	50V	1nF
C003	ECA1HM101GB	ELECT	50V	100pF
C004	ECUV1H102JCX	S.M.CAP	50V	1nF
C005	ECUV1H102JCX	S.M.CAP	50V	1nF
C006	ECUV1H102JCX	S.M.CAP	50V	1nF
C007	ECUV1H102JCX	S.M.CAP	50V	1nF
C009	ECA1HMR22GB	ELECT	50V	0.22mF
C010	ECUV1H102KBX	S.M.CAP	50V	1nF
C014	ECUV1H103ZFX	S.M.CAP	50V	10nF
C015	ECUV1H390JCX	S.M.CAP	50V	39pF
C016	ECUV1H390JCX	S.M.CAP	50V	39pF
C017	ECA1CM470GB	ELECT	16V	47mF
C019	ECUV1H561JCX	S.M.CAP	50V	560pF
C020	ECUV1H103ZFX	S.M.CAP	50V	10nF
C022	ECUV1H103ZFX	S.M.CAP	50V	10nF
C023	ECUV1H681JCX	S.M.CAP	50V	680pF
C024	ECUV1H103ZFX	S.M.CAP	50V	10nF
C025	ECUV1H101JCX	S.M.CAP	50V	100pF
C026	ECUV1H681JCX	S.M.CAP	50V	680pF
C101	ECUV1H104ZFX	S.M.CAP	50V	100nF
C106	ECUV1H104ZFX	S.M.CAP	50V	100nF
C108	ECUV1H104ZFX	S.M.CAP	50V	100nF
C109	ECUV1H104ZFX	S.M.CAP	50V	100nF
C111	ECUV1H103ZFX	S.M.CAP	50V	10nF
C113	ECUV1H393KBX	S.M.CAP	50V	39nF
C115	ECUV1H104ZFX	S.M.CAP	50V	100nF
C116	ECUV1H030CPX	S.M.CAP	50V	30pF
C117	ECUV1H070DTX	S.M.CAP	50V	70pF
C118	ECEA1CKA100	ELECT	16V	10mF
C120	ECEA1HKA2R2	ELECT	50V	2.2mF
C121	ECEA1HKA2R2	ELECT	50V	2.2mF
C122	ECUV1C105ZFX	S.M.CAP	16V	1000nF
C123	ECEA1HKA2R2	ELECT	50V	2.2mF
C124	ECUV1H471JCX	S.M.CAP	50V	470pF
C125	ECUV1H104ZFX	S.M.CAP	50V	100nF
C126	ECUV1H104ZFX	S.M.CAP	50V	100nF
C127	ECEA1CKA100	ELECT	16V	10mF
C128	ECUV1H102KBX	S.M.CAP	50V	1nF
C129	ECEA1CKA100	ELECT	16V	10mF
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	10mF
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	10mF	
C151	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C152	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C153	ECUV1H080CCX	S.M.CAP	50V	80pF	
C251	ECQM1H474J	FILM	50V	470nF	
C252	ECUV1H222JCX	S.M.CAP	50V	2.2nF	
C254	ECUV1H103ZFX	S.M.CAP	50V	10nF	
C255	ECEA1CN100	ELECT	16V	10mF	
C256	ECA1HM330B	ELECT	50V	33pF	
C257	ECA1HM100GB	ELECT	50V	10pF	
C258	ECQM1H474J	FILM	50V	470nF	
C259	ECUV1H222JCX	S.M.CAP	50V	2.2nF	
C261	ECUV1H101JCX	S.M.CAP	50V	100pF	
C262	ECEA1CN100	ELECT	16V	10mF	
C263	ECA1HM330B	ELECT	50V	33pF	
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	0.18mF	
C276	ECUV1C184KBX	S.M.CAP	16V	0.18mF	
C277	ECEA1HU471	ELECT	50V	470mF	
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	0.22mF	
C353	ECUV1H103KBX	S.M.CAP	50V	10nF	
C354	ECKC2H103J	CERAMIC	50V	10nF	⚠
C355	ECKC2H102J	CERAMIC	500V	1nF	⚠
C362	ECUV1H224ZFX	S.M.CAP	50V	0.22mF	
C363	ECUV1H103KBX	S.M.CAP	50V	10nF	
C364	ECKC2H103J	CERAMIC	50V	10nF	⚠
C365	ECKC2H102J	CERAMIC	500V	1nF	⚠
C372	ECUV1H224ZFX	S.M.CAP	50V	0.22mF	
C373	ECUV1H103KBX	S.M.CAP	50V	10nF	
C374	ECKC2H103J	CERAMIC	50V	10nF	⚠
C375	ECKC2H102J	CERAMIC	500V	1nF	⚠
C381	ECA1HM101GB	ELECT	50V	100pF	
C382	ECA0JM471GB	ELECT	6.3V	470pF	
C383	ECUV1H103KBX	S.M.CAP	50V	10nF	
C384	ECQM2104KZ	FILM	250V	100nF	
C385	ECEA2EU220	ELECT	250V	22mF	
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	
C451	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C452	ECA1EM332E	ELECT	25V	3.3nF	
C453	ECEA1HU101	ELECT	50V	100mF	
C455	ECEA1HN100	ELECT	50V	10mF	
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	TAC4S6T102JC	CERAMIC	1500V	1nF	
C553	ECQP1223JZW	FILM	100V	22nF	
C555	TAC4R6T622JC	CERAMIC	1500V	6.2nF	
C556	ECEA2CNR47SB	ELECT	160V	R47mF	
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	200V	0.56mF	
C564	ECKC1H472J	CERAMIC	50V	4.7nF	
C565	ECQP1223JZW	FILM	100V	22nF	
C571	ECQV1H105JZ	FILM	50V	1mF	
C572	TAC4R6T682JC	CERAMIC	1500V	6.8nF	
C573	ECQF4153JZH	FILM	400V	15nF	
C574	TAC1114Z564A	CERAMIC	400V	0.56mF	
C575	TAC1114Z564A	CERAMIC	400V	0.56mF	
C577	TAC1114Z105A	CERAMIC	400V	1mF	
C580	ECKC1H103JB	CERAMIC	50V	10nF	
C581	ECQF4153JZH	FILM	400V	15nF	
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	0.47mF	
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	22mF	
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	ECA1AM221GB	ELECT	10V	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	47mF	
C645	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C646	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C647	ECEA1CN470	ELECT	16V	47mF	

C648	ECEA1CN470	ELECT	16V	47mF	
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	0.47mF	
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	0.47mF	
C804	222233510154			0.15mF	
C806	ECQE6104K	FILM	600V	100nF	⚠
C807	ECQB1H473K	FILM	50V	47nF	
C808	ECQB1H333J	FILM	50V	33nF	
C810	222233510154			0.15mF	
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	⚠
C819	ECOS2GA181DB	ELECT	400V	180pF	
C820	ECOS2GA181DB	ELECT	400V	180pF	
C821	ECQB1H222J	FILM	50V	2200pF	
C822	ECKC3D102J	CERAMIC	2KV	1nF	⚠
C823	EEUFA1V221B		35V	220pF	
C824	ECQB1H121KF3	FILM	50V	0pF	
C826	ECQB1H473K	FILM	50V	47nF	
C827	ECKCNS332J	CERAMIC	1.2KV	3.3nF	⚠
C830	ECQE4105JFW	FILM	400V	1mF	
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	1000mF	
C856	ECEA1HU471	ELECT	50V	470mF	
C857	ECA1EM471GB	ELECT	25V	470pF	
C858	ECOS2EA271BB	ELECT	250V	270pF	
C859	ECKC2H471J	CERAMIC	500V	470pF	⚠
C861	ECOS2EA221AB	ELECT	250V	220mF	
C863	ECA1EM222GB	ELECT	25V	2.2nF	
C864	ECA0JM102GB	ELECT	6.3V	1nF	
C866	ECA1HM101GB	ELECT	50V	100pF	
C867	ECA1CM222GB	ELECT	16V	2200mF	
C868	ECA1CM100GB	ELECT	16V	10pF	
C871	ECA0JM102GB	ELECT	6.3V	1nF	
C872	ECA1CM222GB	ELECT	16V	2200mF	
C901	ECUV1H030CCX	S.M.CAP	50V	30pF	
C902	ECA1VM101GB	ELECT	35V	100pF	
C903	ECA1CM470GB	ELECT	16V	47mF	
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	22mF	
C913	ECA1HM101GB	ELECT	50V	100pF	
C914	ECA1HM101GB	ELECT	50V	100pF	
C915	ECA1CM471GB	ELECT	16V	470pF	
C916	ECEA2EU220	ELECT	250V	22mF	
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	ECA0JM101G	ELECT	6.3V	100pF	
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	0.18mF	
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	47mF	
C1520	ECA1CM470GB	ELECT	16V	47mF	
C1521	ECUV1H390JCX	S.M.CAP	50V	39pF	
C1524	ECUV1H221JCX	S.M.CAP	50V	220pF	
C1525	ECUV1H391JCX	S.M.CAP	50V	390pF	
C1528	ECUV1H390JCX	S.M.CAP	50V	39pF	
C1529	ECUV1H221JCX	S.M.CAP	50V	220pF	
C1531	ECUV1H391JCX	S.M.CAP	50V	390pF	
C1532	ECUV1H151JCX	S.M.CAP	50V	150pF	
C1533	ECUV1H750JCX	S.M.CAP	50V	75pF	
C1534	ECUV1H391JCX	S.M.CAP	50V	390pF	
C1537	ECA0JM102GB	ELECT	6.3V	1nF	
C1552	ECUV1H104ZFX	S.M.CAP	50V	100nF	
C1554	ECUV1H104ZFX	S.M.CAP	50V	100nF	

C1555	ECA0JM331GB	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	ECA0JM331GB	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	47mF
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	47mF
C1590	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1591	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1592	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1593	ECA1CM470GB	ELECT	16V	47mF
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	47mF
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	47mF
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
C1615	ECUV1H101JCX	S.M.CAP	50V	100pF
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	47mF
C1622	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1625	ECA1CM470GB	ELECT	16V	47mF
C1641	ECA1CM470GB	ELECT	16V	47mF
C1642	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1701	ECA1CM470GB	ELECT	16V	47mF
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	47mF
C1722	ECA1CM470GB	ELECT	16V	47mF
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
C1801	ECUV1C104KBX	S.M.CAP	16V	0.10mF
C1802	ECUV1C104KBX	S.M.CAP	16V	0.10mF
C1803	ECUV1C104KBX	S.M.CAP	16V	0.10mF
C1804	ECUV1C104KBX	S.M.CAP	16V	0.10mF
C1805	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1806	ECUV1C104KBX	S.M.CAP	16V	0.10mF
C1807	ECUV1C104KBX	S.M.CAP	16V	0.10mF
C1808	ECUV1C104KBX	S.M.CAP	16V	0.10mF
C1809	ECUV1C104KBX	S.M.CAP	16V	0.10mF
C1810	ECUV1H103ZFX	S.M.CAP	50V	10nF
C1811	ECUV1C104KBX	S.M.CAP	16V	0.10mF
C1812	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1813	ECUV1H332KBX	S.M.CAP	50V	3.3nF
C1814	ECUV1C104KBX	S.M.CAP	16V	0.10mF
C1815	ECUV1H180JCX	S.M.CAP	50V	18pF
C1816	ECUV1H150JCX	S.M.CAP	50V	15pF
C1817	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1818	ECUV1H331JCX	S.M.CAP	50V	330pF
C1819	ECUV1H331JCX	S.M.CAP	50V	330pF
C1820	ECUV1H680JCX	S.M.CAP	50V	68pF
C1821	ECUV1H103KBX	S.M.CAP	50V	10nF
C1822	ECUV1H103KBX	S.M.CAP	50V	10nF
C1823	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1824	ECA1AM470GB	ELECT	10V	47pF
C1825	ECQB1H563K	FILM	50V	56nF
C1826	ECUV1H152KBX	S.M.CAP	50V	1.5pF
C1827	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1828	ECA1HM010GB	ELECT	50V	1pF
C1829	ECUV1C104KBX	S.M.CAP	16V	0.10mF
C1840	ECUV1C104KBX	S.M.CAP	16V	0.10mF
C1843	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1845	ECA1AM470GB	ELECT	10V	47pF
C1846	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1861	ECKC1H561J	CERAMIC	50V	560pF
C1862	ECKC1H561J	CERAMIC	50V	560pF
C1865	ECEA1CN470	ELECT	16V	47mF
C1881	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1882	ECA1AM470GB	ELECT	10V	47pF
C1887	ECA1HM101GB	ELECT	50V	100pF
C1888	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1891	ECUV1H332KBX	S.M.CAP	50V	3.3nF
C1892	ECUV1C104KBX	S.M.CAP	16V	0.10mF
C1894	ECA1AM470GB	ELECT	10V	47pF
C1895	ECA1AM470GB	ELECT	10V	47pF
C1896	ECUV1H104ZFX	S.M.CAP	50V	100nF
C1897	ECA1AM330GB	ELECT	10V	33pF
C1901	ECQM1H474J	FILM	50V	470nF
C1902	ECQM1H474J	FILM	50V	470nF
C1903	ECA1EM470GB	ELECT	25V	47pF
C1904	ECKC1H103JB	CERAMIC	50V	10nF
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	ECA1HM101GB	ELECT	50V	100pF
C2020	ECUV1H104ZFX	S.M.CAP	50V	100nF
C2021	ECUV1H104ZFX	S.M.CAP	50V	100nF
C2022	ECA1HM3R3GB	ELECT	50V	3.3mF
C2023	ECUV1H471JCX	S.M.CAP	50V	470pF
C2024	ECUV1H471JCX	S.M.CAP	50V	470pF
C2025	ECUV1H221JCX	S.M.CAP	50V	220pF
C2026	ECUV1H221JCX	S.M.CAP	50V	220pF
C2027	ECUV1H221JCX	S.M.CAP	50V	220pF
C2028	ECUV1H221JCX	S.M.CAP	50V	220pF
C2029	ECUV1H221JCX	S.M.CAP	50V	220pF
C2030	ECUV1H221JCX	S.M.CAP	50V	220pF
C2031	ECUV1H104ZFX	S.M.CAP	50V	100nF
C2032	ECA1CM100GB	ELECT	16V	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	ECUV1H030CPX	S.M.CAP	50V	30pF
C2045	ECUV1H030CCX	S.M.CAP	50V	30pF
C2050	ECUV1H103ZFX	S.M.CAP	50V	10nF
C2051	ECUV1H103ZFX	S.M.CAP	50V	10nF
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
C2061	ECUV1H223ZFX	S.M.CAP	50V	22nF
C2062	ECUV1H223ZFX	S.M.CAP	50V	22nF
C2301	ECQM1H474J	FILM	50V	470nF
C2302	ECUV1H224ZFX	S.M.CAP	50V	0.22mF
C2303	ECUV1H101JCX	S.M.CAP	50V	100pF
C2304	ECEA1HN010UB	ELECT	50V	1mF
C2305	ECA1HM220GB	ELECT	50V	22pF
C2306	ECUV1H223ZFX	S.M.CAP	50V	22nF
C2307	ECUV1H223ZFX	S.M.CAP	50V	22nF
C2308	ECA1HM010GB	ELECT	50V	1pF
C2309	ECUV1H393KBX	S.M.CAP	50V	39nF
C2310	ECUV1H393KBX	S.M.CAP	50V	39nF
C2311	ECA1HM101GB	ELECT	50V	100pF
C2312	ECUV1H393KBX	S.M.CAP	50V	39nF
C2313	ECUV1H393KBX	S.M.CAP	50V	39nF
C2314	ECA1HM100GB	ELECT	50V	10pF
C2315	ECUV1H562KBX	S.M.CAP	50V	5.6nF
C2316	ECA1HM010GB	ELECT	50V	1pF
C2317	ECA1HM010GB	ELECT	50V	1pF
C2318	ECUV1H050CCX	S.M.CAP	50V	5pF
C2319	ECUV1H103ZFX	S.M.CAP	50V	10nF
C2320	ECUV1H102KBX	S.M.CAP	50V	1nF
C2351	ECA1HM101GB	ELECT	50V	100pF
C2352	ECA1CM471GB	ELECT	16V	470pF
C2353	ECA1HM4R7GB	ELECT	50V	4.7mF
C2354	ECKC1H102J	CERAMIC	50V	1000pF
C2355	ECA1HM4R7GB	ELECT	50V	4.7mF
C2356	ECKC1H103JB	CERAMIC	50V	10nF
C2360	ECKC1H103JB	CERAMIC	50V	10nF
C2361	ECA1HM101GB	ELECT	50V	100pF
C2362	ECA1CM471GB	ELECT	16V	470pF
C2363	ECA1HM4R7GB	ELECT	50V	4.7mF
C2364	ECKC1H102J	CERAMIC	50V	1000pF
C2365	ECA1HM4R7GB	ELECT	50V	4.7mF
C2366	ECKC1H103JB	CERAMIC	50V	10nF
C3001	ECKC1H561J	CERAMIC	50V	560pF
C3002	ECKC1H561J	CERAMIC	50V	560pF
C3101	ECEA1HN4R7UB	ELECT	50V	4.7mF
C3102	ECA1HM470GB	ELECT	50V	47mF
C3103	ECA1CM470GB	ELECT	16V	47mF
C3106	ECUV1H561JCX	S.M.CAP	50V	560pF
C3107	ECA1HM470GB	ELECT	50V	47mF
C3108	ECA1CM470GB	ELECT	16V	47mF
C3110	ECUV1H561JCX	S.M.CAP	50V	560pF
C3111	ECUV1H102JCX	S.M.CAP	50V	1nF
C3112	ECA1HM470GB	ELECT	50V	47mF
C3113	ECA1HM470GB	ELECT	50V	47mF
C3114	ECA1CM470GB	ELECT	16V	47mF
C3115	ECEA1HNR47UB	ELECT	50V	0.47mF
C3116	ECA1HM470GB	ELECT	50V	47mF
C3117	ECEA1HN4R7UB	ELECT	50V	4.7mF
C3118	ECEA1HN4R7UB	ELECT	50V	4.7mF
C3119	ECA1HM470GB	ELECT	50V	47mF
C3120	ECA1CM470GB	ELECT	16V	47mF
C3122	ECUV1H561JCX	S.M.CAP	50V	560pF
C3123	ECEA1HN4R7UB	ELECT	50V	4.7mF
C3125	ECUV1H561JCX	S.M.CAP	50V	560pF
C3126	ECEA1HN4R7UB	ELECT	50V	4.7mF
C3127	ECEA1HN4R7UB	ELECT	50V	4.7mF
C3128	ECEA1HN4R7UB	ELECT	50V	4.7mF
C3129	ECUV1H102JCX	S.M.CAP	50V	1nF
C3130	ECEA1HN4R7UB	ELECT	50V	4.7mF
C3131	ECUV1H473KBX	S.M.CAP	50V	47nF
C3132	ECA1CM470GB	ELECT	16V	47mF
C3133	ECA1CM470GB	ELECT	16V	47mF
C3134	ECA1CM470GB	ELECT	16V	47mF
C3135	ECA1HMR47GB	ELECT	50V	0.47mF
C3136	ECA1CM470GB	ELECT	16V	47mF
C3137	ECA1HM470GB	ELECT	50V	47mF
C3138	ECA1HM470GB	ELECT	50V	47mF
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	4.7mF
C3150	ECA1HM4R7GB	ELECT	50V	4.7mF
C3152	ECUV1H561JCX	S.M.CAP	50V	560pF
C3153	ECUV1H104ZFX	S.M.CAP	50V	100nF
C3154	ECUV1H104ZFX	S.M.CAP	50V	100nF
C3155	ECA1CM470GB	ELECT	16V	47mF
C3156	ECA1CM470GB	ELECT	16V	47mF
C3158	ECUV1H102JCX	S.M.CAP	50V	1nF
C3159	ECUV1H121JCX	S.M.CAP	50V	120pF
C3160	ECUV1H104ZFX	S.M.CAP	50V	100nF
C3162	ECA1CM471GB	ELECT	16V	470pF
C3163	ECA1HMR47GB	ELECT	50V	0.47mF
C3164	ECUV1H104ZFX	S.M.CAP	50V	100nF
C3165	ECA1HM470GB	ELECT	50V	47mF
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	0.47mF
C3175	ECUV1H561JCX	S.M.CAP	50V	560pF
C3177	ECUV1H561JCX	S.M.CAP	50V	560pF
C3180	ECA1HMR47GB	ELECT	50V	0.47mF
C3181	ERJ6GEY0R00	S.M.CARB	0.1W	5% 0W
C3182	ECUV1H102JCX	S.M.CAP	50V	1nF
C3183	ERJ6GEY0R00	S.M.CARB	0.1W	5% 0W
C3184	ECUV1H473KBX	S.M.CAP	50V	47nF
C3185	ERJ6GEY0R00	S.M.CARB	0.1W	5% 0W
C3186	ECEA1HNR47UB	ELECT	50V	0.47mF
C3187	ECA1HM470GB	ELECT	50V	47mF
C3188	ECEA1CN470	ELECT	16V	47mF

C3189	ECEA1CN470	ELECT	16V	47mF
C3190	ECA1HMR47GB	ELECT	50V	0.47mF
C3191	ECA1HM470GB	ELECT	50V	47mF
C3192	ECUV1H473KBX	S.M.CAP	50V	47nF
C3193	ECUV1H473KBX	S.M.CAP	50V	47nF
C3194	ECA1HM470GB	ELECT	50V	47mF
C3195	ECUV1H391JCX	S.M.CAP	50V	390pF
C3196	ECEA1CN330	ELECT	16V	33mF
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	1mF
C3504	ECUV1H224ZFX	S.M.CAP	50V	0.22mF
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	ECA0JM331G	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
D401	MA167TA5	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
D532	1SS254T-77	DIODE
D533	1SS254T-77	DIODE
D551	EU02	DIODE
D556	AU02V0	DIODE
D557	ERC91-02J5	DIODE
D558	AU02V0	DIODE
D559	MTZJT-7736A	DIODE
D560	1SS252T-77	DIODE
D561	1SS254T-77	DIODE
D562	ERB0615	DIODE TYPD0753VAG
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
D848	EU02	DIODE
D849	FMGG26S	DIODE
D850	EU02	DIODE
D851	FMGG2CS	DIODE
D852	MA4091	DIODE
D853	1SS254T-77	DIODE
D854	1SS254T-77	DIODE
D855	D10SC6MRL	DIODE
D857	FML22SLF610	DIODE
D860	1SS254T-77	DIODE
D861	MTZJT-7713B	DIODE
D901	1SS254T-77	DIODE
D902	1SS254T-77	DIODE
D903	1SS254T-77	DIODE
D1051	LN81RPHL	DIODE
D1052	AU01V0	DIODE
D1053	AU01V0	DIODE
D1054	AU01V0	DIODE
D1055	AU01V0	DIODE
D1056	AU01V0	DIODE
D1057	AU01V0	DIODE
D1102	MA4051	DIODE
D1107	MTZJT-775.6A	DIODE
D1108	1SS254T-77	DIODE
D1109	1SS254T-77	DIODE
D1113	MA4051	DIODE
D1552	1SS355TE-17	DIODE
D1824	MA4051	DIODE
D2005	MA723TA5	DIODE
D2006	MA723TA5	DIODE
D2301	MA165TA5	DIODE 1SS133T-77
D2302	MA165TA5	DIODE 1SS133T-77
D2303	MA165TA5	DIODE 1SS133T-77
D2304	MA165TA5	DIODE 1SS133T-77
D3101	UDZTE-1712B	DIODE
D3102	UDZTE-1712B	DIODE
D3103	UDZTE-1712B	DIODE
D3104	UDZTE-1712B	DIODE
D3105	UDZTE-1712B	DIODE
D3107	UDZTE-1712B	DIODE
D3108	UDZTE-1712B	DIODE
D3109	UDZTE-1712B	DIODE

D3110	UDZTE-1712B	DIODE
D3111	UDZTE-1712B	DIODE
D3112	UDZTE-1712B	DIODE
D3115	UDZTE-1712B	DIODE
D3117	UDZTE-1712B	DIODE
D3120	1SS355TE-17	DIODE
D3121	1SS355TE-17	DIODE
D3351	1SS254T-77	DIODE
D3501	MA4030	DIODE
D3801	MA4043	DIODE
D3802	MA4075	DIODE
D3803	ERA81004V3	DIODE
D3805	MA4091	DIODE
D3806	MA165TA5	DIODE 1SS133T-77
D3807	MA165TA5	DIODE 1SS133T-77

FUSES

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

INTEGRATED CIRCUITS

IC101	TDA9814TV3	VIF
IC1051	RPM-637CBRS1	LED RECEIVER
IC1101	SDA30C164-2	MICRO PROCESSOR
IC1102	S-80745AL-Z	RESET
IC1103	MN1280R	RESET
IC1104	X24C160301QU	EAROM
IC1105	27C2001C01AA	EPROM
IC1301	SAA4961	COMB FILTER
IC1551	SN74F04DR	CLOCK BUFFER
IC1552	SDA9257	CLOCK GENERATOR
IC1581	SDA9205-2GEG	A/D CONVERTER
IC1601	UPD93213GF	DFU
IC1602	SDA9280GEG	VISUAL PROCESSOR
IC1701	MB87D202A	VIDEO PROCESSOR
IC1721	SDA9251-2XGE	RAM
IC1722	SDA9251-2XGE	RAM
IC1723	SDA9251-2XGE	RAM
IC1724	SDA9251-2XGE	RAM
IC1725	SDA9251-2XGE	RAM
IC1726	SDA9251-2XGE	RAM
IC1727	SDA9251-2XGE	RAM
IC1801	TDA9143-N1	COLOUR DECODER
IC1802	TDA4665-V4	DELAY LINE
IC1803	SDA9187-2XGE	A/D CONVERTER
IC1841	SDA9189XGEG	PIP PROCESSOR
IC1901	LA6515	EARTH CORRECTION
IC2001	MSP3410BPPF7	AUDIO PROCESSOR
IC2301	TDA2030AV	AUDIO AMPLIFIER
IC2302	BA15218	DIODE
IC251	TDA2030AV	AUDIO AMPLIFIER
IC252	TDA2030AV	AUDIO AMPLIFIER
IC3101	TEA6420	AUDIO SWITCH
IC3102	TEA6415C	VIDEO SWITCH
IC3501	SDA5273S	MEGA TEXT
IC3502	M514256B70RS	DRAM
IC351	TDA6111	RED OUTPUT
IC361	TDA6111	GREEN OUTPUT
IC371	TDA6111	BLUE OUTPUT
IC3801	AN7808LB	8V REGULATOR
IC3803	AN7805LB	5V REGULATOR
IC3804	AN7809FLB	9V REGULATOR
IC3805	AN78L08TA	8V REGULATOR
IC401	TDA9151-B	DEFLECTION CONTROL
IC451	TDA8350Q-N4	VERTICAL OUTPUT
IC601	TDA9143-N1	COLOUR DECODER
IC602	TDA4665-V4	DELAY LINE
IC603	TDA4780	RGB VIDEO PROCESSOR
IC801	AN8029	POWER SUPPLY
IC845	SE140N	ERROR AMPLIFIER
IC851	TL431ACLPM	COIL
IC852	TL431ACLPM	COIL

TERMINALS AND LINKS

JA1	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JA2	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JA3	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JA5	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JA6	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JA7	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JA8	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JA9	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JK3001	TJB16656	A.V.TERMINAL			
JSB3	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSE010	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSE011	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSE012	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSE015	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSE018	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSE019	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSE02	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSE020	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSE021	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSE022	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSE023	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSE024	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSE025	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSE028	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSE042	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSE050	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSE056	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSE057	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSE058	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSE062	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSE064	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSE09	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSF001	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSF002	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSF004	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSF005	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSF015	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSF026	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSF038	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSF040	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSF041	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSF045	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSF046	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSF049	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSF050	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSF054	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSF056	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSF059	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSF061	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSF062	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSG001	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSG002	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSG011	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSG024	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSG025	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSG026	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSG027	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSG028	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W

JSG071	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSG073	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSG075	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSH004	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSH005	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSH01	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSH010	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
JSH02	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W

COILS

LC1503	ELKTR391CA	DELAY LINE			
LC1507	EXCEMT103DTM	COIL			
LC1508	EXCEMT103DTM	COIL			
LC1509	EXCEMT103DTM	COIL			
LC1510	EXCEMT103DTM	COIL			
LC1601	ELKTR391CA	DELAY LINE			
LC1602	ELKTR391CA	DELAY LINE			
LC1603	ELKTR391CA	DELAY LINE			
LC1609	ELKTR560BA	DELAY LINE			
LC1854	ELKTR391CA	DELAY LINE			
L002	TLT047K991R	COIL			
L004	TLT047K991R	COIL			
L005	TLT047K991R	COIL			
L102	TLT056K991R	COIL			
L103	EQV7EN203B	COIL			
L105	ELESNR22MA	COIL			
L106	TLT102K991R	COIL			
L107	ELESNR22MA	COIL			
L108	ELESNR22MA	COIL			
L109	EIL7EN015Q	COIL			
L110	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	EXCELDR35C	COIL			
L451	EXCELDR35V	COIL			
L552	EXCELSA35T	COIL			
L553	EXCELSA35T	COIL			
L554	EXCELDR35V	COIL			
L555	EXCELDR35C	COIL			
L571	ELC18B801L	COIL			
L572	ELHKLB025B	COIL			
L573	ELHKLB028B	COIL			
L575	ELC18B331E	COIL			
L576	ELC08D101E	COIL			
L601	TLT047K991R	COIL			
L602	TLT047K991R	COIL			
L603	TLT047K991R	COIL			
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	ELEIE150KA	COIL			
L856	EXCELSA35T	COIL			
L859	EXCELSA35T	COIL			
L860	EXCELSA35T	COIL			
L861	EXCELSA35T	COIL			
L862	EXCELSA35T	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	10%	0W
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			
L1604	TLT100K991R	COIL			
L1605	TLT100K991R	COIL			
L1606	TLT100K991R	COIL			
L1607	EXCELDR35V	COIL			
L1641	EXCELDR35V	COIL			
L1701	EXCELDR35V	COIL			
L1721	EXCELDR35V	COIL			
L1722	EXCELDR35V	COIL			
L1801	TLT150K991R	COIL			
L1802	TLT150K991R	COIL			
L1803	ERDS2TY0T	CARBON	0.25W	10%	0W
L1804	EXCELDR35V	COIL			
L1810	TLT470K991R	COIL			
L1812	TLT150K991R	COIL			
L1841	TLT150K991R	COIL			
L1901	EXCELDR25V	COIL			
L2001	TLT047K991R	COIL			
L2002	TLT100K991R	COIL			
L2003	EXCELDR35V	COIL			
L2004	TLT068K991R	COIL			
L2005	TLT068K991R	COIL			
L2303	EXCELDR35V	COIL			
L2319	TLS159054E	COIL			
L2320	TLS159054E	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	BF370-126	TRANSISTOR
Q107	BC847B	TRANSISTOR OR 2SD601ATX
Q108	BC847B	TRANSISTOR OR 2SD601ATX
Q109	BC860B	TRANSISTOR
Q251	BC847B	TRANSISTOR OR 2SD601ATX
Q252	BC847B	TRANSISTOR OR 2SD601ATX
Q401	BC847B	TRANSISTOR OR 2SD601ATX
Q502	2SC2925STA	TRANSISTOR
Q531	BC547B	TRANSISTOR
Q532	BC547B	TRANSISTOR
Q533	BC547B	TRANSISTOR
Q535	BC547B	TRANSISTOR
Q551	BC547B	TRANSISTOR
Q552	2SC5144LBMA1	TRANSISTOR
Q553	2SC1473-RN	TRANSISTOR
Q554	2SC1473-RN	TRANSISTOR
Q572	BC547B	TRANSISTOR
Q573	BC557B	TRANSISTOR
Q574	2SD1265AOPLB	TRANSISTOR
Q601	BC847B	TRANSISTOR OR 2SD601ATX
Q602	BC857B	TRANSISTOR OR 2SB709ATX
Q603	BC847B	TRANSISTOR OR 2SD601ATX
Q604	BC857B	TRANSISTOR OR 2SB709ATX
Q605	BC857B	TRANSISTOR OR 2SB709ATX
Q607	BC847B	TRANSISTOR OR 2SD601ATX
Q608	BC847B	TRANSISTOR OR 2SD601ATX
Q609	BC847B	TRANSISTOR OR 2SD601ATX
Q610	BC847B	TRANSISTOR OR 2SD601ATX
Q611	BC847B	TRANSISTOR OR 2SD601ATX
Q612	BC847B	TRANSISTOR OR 2SD601ATX
Q801	2SK1489MAT	TRANSISTOR
Q803	2SD965-R	TRANSISTOR
Q804	2SA719-TA	TRANSISTOR
Q845	2SA684R	TRANSISTOR
Q846	BC547B	TRANSISTOR
Q847	BC557B	TRANSISTOR
Q848	BC547B	TRANSISTOR
Q849	2SA1018QTA	TRANSISTOR
Q850	2SD1474PLB	TRANSISTOR
Q851	BC547B	TRANSISTOR
Q852	BC547B	TRANSISTOR
Q901	BC847B	TRANSISTOR OR 2SD601ATX
Q902	BC847B	TRANSISTOR OR 2SD601ATX
Q903	BC847B	TRANSISTOR OR 2SD601ATX
Q904	BC857B	TRANSISTOR OR 2SB709ATX
Q905	BC847B	TRANSISTOR OR 2SD601ATX
Q906	BC847B	TRANSISTOR OR 2SD601ATX
Q907	BC857B	TRANSISTOR OR 2SB709ATX
Q908	2SA1535ARLB	TRANSISTOR
Q909	2SC3944ARLB	TRANSISTOR
Q1052	BC557B	TRANSISTOR
Q1101	BC847B	TRANSISTOR OR 2SD601ATX
Q1102	BC847B	TRANSISTOR OR 2SD601ATX
Q1103	BC847B	TRANSISTOR OR 2SD601ATX
Q1106	BC847B	TRANSISTOR OR 2SD601ATX
Q1107	BC847B	TRANSISTOR OR 2SD601ATX
Q1108	BC847B	TRANSISTOR OR 2SD601ATX
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
Q1803	BC847B	TRANSISTOR OR 2SD601ATX
Q1879	BC857B	TRANSISTOR OR 2SB709ATX
Q1880	BC857B	TRANSISTOR OR 2SB709ATX
Q1881	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
Q2301	BC847B	TRANSISTOR OR 2SD601ATX
Q2302	BC857B	TRANSISTOR OR 2SB709ATX
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
Q3109	BC847B	TRANSISTOR OR 2SD601ATX
Q3110	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	TRANSISTOR			
R003	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KW
R006	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39KW
R011	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R012	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R101	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW
R102	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R103	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW
R104	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
R105	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330W

R106	ERJ6GEYJ680	S.M.CARB	0.1W	5%	68W	
R107	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12KW	
R109	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
R110	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	
R111	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330W	
R113	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R115	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120W	
R117	ERJ6GEYJ683	S.M.CARB	0.1W	5%	68KW	
R118	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150W	
R119	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R120	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KW	
R121	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330W	
R122	EVNDXAA03B24	CONTROL			20KW	
R123	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW	
R124	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KW	
R125	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R126	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KW	
R127	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KW	
R128	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180W	
R130	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R132	ERJ6GEYJ122	S.M.CARB	0.1W	5%	1K2W	
R133	ERJ6GEYJ122	S.M.CARB	0.1W	5%	1K2W	
R134	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	
R135	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	
R136	ERJ6GEYJ122	S.M.CARB	0.1W	5%	1K2W	
R137	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW	
R138	ERJ6GEYJ122	S.M.CARB	0.1W	5%	1K2W	
R139	ERJ6GEYJ154	S.M.CARB	0.1W	5%	150KW	
R140	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270W	
R141	ERJ6GEYJ330	S.M.CARB	0.1W	5%	33W	
R143	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12KW	
R144	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5W	
R145	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330W	
R146	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW	
R147	ERJ6GEYJ122	S.M.CARB	0.1W	5%	1K2W	
R148	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18KW	
R149	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8W	
R150	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220W	
R151	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W	
R152	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	
R154	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R156	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R157	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R159	ERD25TJ153	CARBON	0.25W	5%	15KW	
R251	ERJ6GEYJ2R2	SM.CARB	0.125W	5%	2R2W	
R252	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KW	
R253	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12KW	
R254	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KW	
R255	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330W	
R256	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW	
R257	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
R258	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W	
R259	ERG3SJ102	METAL	3W	5%	1.0KW	⚠
R260	ERJ6GEYJ2R2	SM.CARB	0.125W	5%	2R2W	
R261	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KW	
R262	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KW	
R263	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330W	
R264	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW	
R265	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W	
R266	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
R267	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390W	
R268	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390W	
R269	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12KW	
R270	ERG3SJ102	METAL	3W	5%	1.0KW	⚠
R351	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
R352	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
R354	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
R355	ERG2FJ823	METAL	2W	5%	82KW	⚠
R356	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R357	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2W	
R358	ERDS1TJ821	CARBON	0.5W	5%	820W	
R359	ERJ6GEYJ334	S.M.CARB	0.1W	5%	330KW	
R360	ERDS1TJ103	CARBON	0.5W	5%	10KW	
R361	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
R362	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
R364	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
R365	ERG2FJ823	METAL	2W	5%	82KW	⚠
R366	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R367	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2W	
R368	ERDS1TJ821	CARBON	0.5W	5%	820W	
R369	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R370	ERQ1CJP1R0	FUSIBLE	1W	5%	1RW	⚠
R371	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
R372	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
R374	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
R375	ERG2FJ823	METAL	2W	5%	82KW	⚠
R376	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R377	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2W	
R378	ERDS1TJ821	CARBON	0.5W	5%	820W	
R379	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R380	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W	
R381	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560W	
R383	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6W	
R384	ERQ12HJ101	FUSIBLE	0.5W	5%	100W	⚠
R390	ERDS1TJ184	CARBON	0.5W	5%	180K	
R401	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KW	
R402	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3W	
R403	ERJ6GEYJ392	S.M.CARB	0.1W	5%	3K9W	
R406	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39KW	
R407	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R408	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R409	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
R410	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10W	
R411	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12KW	
R412	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	
R451	ERJ6GEYJ302	S.M.CARB	0.1W	5%	3KW	
R452	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56KW	
R453	ERG2FJ121	METAL	2W	5%	120W	⚠
R454	ERX12SJ1R0	RESISTOR	12W	5%	1RW	
R455	ERX12SJ1R2	RESISTOR	12W	5%	1R2W	
R456	ERDS1TJ220	CARBON	0.5W	5%	22W	
R457	ERDS1TJ223	CARBON	0.5W	5%	22KW	
R458	ERDS1TJ392	CARBON	0.5W	5%	3K9W	
R459	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39KW	
R460	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW	
R461	ERJ6GEYJ184	S.M.CARB	0.1W	5%	180KW	
R504	ERD25TJ271	CARBON	0.25W	5%	270W	
R505	ERG3SJS330	METAL	3W	5%	33W	⚠
R506	ERDS1TJ152	CARBON	0.5W	5%	1K5W	
R507	ERDS1TJ152	CARBON	0.5W	5%	1K5W	
R531	ERD25TJ103	CARBON	0.25W	5%	10KW	
R532	ERD25TJ103	CARBON	0.25W	5%	10KW	
R533	ERD25TJ683	CARBON	0.25W	5%	68KW	
R534	ERD25TJ473	CARBON	0.25W	5%	47KW	
R535	ERD25TJ472	CARBON	0.25W	5%	4K7W	
R536	ERD25TJ103	CARBON	0.25W	5%	10KW	
R539	ERD25TJ103	CARBON	0.25W	5%	10KW	
R540	ERD25TJ183	CARBON	0.25W	5%	18KW	
R541	ERD25TJ102	CARBON	0.25W	5%	1KW	
R542	ERD25TJ103	CARBON	0.25W	5%	10KW	
R543	ERD25TJ222	CARBON	0.25W	5%	2K2W	
R547	ERD25TJ103	CARBON	0.25W	5%	10KW	
R551	ERD25TJ103	CARBON	0.25W	5%	10KW	
R552	ERD25TJ473	CARBON	0.25W	5%	47KW	
R553	ERD25TJ103	CARBON	0.25W	5%	10KW	
R554	ERX3SJSR27H	RESISTOR	3W	5%	R27W	
R555	ERO25CKF2802	METAL	25W	1%	28KW	⚠
R556	ERO50PKF2802	METAL	50W	1%	28KW	⚠
R557	ERO25CKF6492	METAL	25W	1%	65KW	⚠
R558	ERO50PKF4532	METAL	50W	1%	45KW	⚠
R559	ERO25CKF1002	METAL	0.25W	1%	10KW	⚠
R560	ERD25TJ222	CARBON	0.25W	5%	2K2W	

R562	ERD25TJ473	CARBON	0.25W	5%	47KW	
R564	ERDS1TJ394	CARBON	0.5W	5%	390KW	
R565	ERQ14AJW2R2	FUSIBLE	14W	5%	2R2W	⚠
R566	ERDS1TJ183	CARBON	0.5W	5%	18KW	
R567	ERG2ANJ223	METAL	2W	5%	22KW	
R568	ERQ12HJ330	METAL	0.5W	5%	33W	⚠
R569	ERDS1TJ120	CARBON	0.5W	5%	12W	
R570	ERD25TJ103	CARBON	0.25W	5%	10KW	
R571	ERX3FJ2R7H	RESISTOR	3W	5%	2R7W	
R572	ERG3FJ821	METAL	3W	5%	820W	⚠
R574	ERG3FJ151	METAL	3W	5%	150W	⚠
R577	ERD25TJ683	CARBON	0.25W	5%	68KW	
R578	ERD25TJ153	CARBON	0.25W	5%	15KW	
R579	ERD25TJ274	CARBON	0.25W	5%	270KW	
R580	ERD25TJ563	CARBON	0.25W	5%	56KW	
R581	ERD25TJ104	CARBON	0.25W	5%	100KW	
R582	ERD25TJ225	CARBON	0.25W	5%	2M2W	
R583	ERD25TJ225	CARBON	0.25W	5%	2M2W	
R584	ERD25TJ152	CARBON	0.25W	5%	1K5W	
R585	TSF19201	FS LINK				⚠
R587	ERD25TJ222	CARBON	0.25W	5%	2K2W	
R588	ERD25TJ222	CARBON	0.25W	5%	2K2W	
R589	ERDS1TJ100	CARBON	0.5W	5%	10W	
R591	ERF2AKR15	WIRE	2W	10%	R15W	
R601	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R602	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R603	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
R604	ERJ6GEYJ750V	S.M.CARB	0.1W	5%	75W	
R605	ERJ6GEYJ750V	S.M.CARB	0.1W	5%	75W	
R606	ERJ6GEYJ750V	S.M.CARB	0.1W	5%	75W	
R609	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KW	
R610	ERJ6GEYJ823	S.M.CARB	0.1W	55	82KW	
R612	ERJ6GEYJ392	S.M.CARB	0.1W	5%	3K9W	
R613	ERJ6GEYJ392	S.M.CARB	0.1W	5%	3K9W	
R615	ERJ6GEYJ823	S.M.CARB	0.1W	55	82KW	
R616	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R617	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R618	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10W	
R619	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R620	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R621	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R624	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150W	
R625	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39KW	
R626	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KW	
R627	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680W	
R628	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150W	
R629	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R630	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56W	
R632	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39KW	
R633	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KW	
R634	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680W	
R635	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150W	
R636	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R637	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330W	
R639	EVNDXAA03B32	CONTROL			300W	
R640	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R643	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R644	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
R645	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270W	
R646	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R647	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150W	
R648	ERJ6GEYJ150	S.M.CARB	0.1W	5%	15W	
R649	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R651	ERJ6GEYJ225	SM.CARB	0.125W	5%	2.2MW	
R652	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	
R653	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	
R654	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	
R655	ERJ6GEYJ243	SM.CARB	0.125W	5%	24KW	
R656	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	
R657	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	
R658	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	
R659	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
R660	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
R661	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
R662	ERJ8GEY0R00	S.M.CAR	.125W	5%	0W	
R664	ERC14GJ206	SOLID	14W	5%	20MW	
R665	ERC14GJ206	SOLID	14W	5%	20MW	
R711	ERJ6GEYJ224	S.M.CARB	0.1W	5%	220KW	
R712	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KW	
R714	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8W	
R715	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W	
R716	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R717	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KW	
R718	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W	
R753	ERD25TJ333	CARBON	0.25W	5%	33KW	
R805	232266296706	THERMISTOR				
R806	ERD25TJ101	CARBON	0.25W	5%	100W	
R807	ERD25TJ104	CARBON	0.25W	5%	100KW	
R809	ERF10ZK4R7	WOUND	10W	5%	4R7W	⚠
R810	ERD25TJ223	CARBON	0.25W	5%	22KW	
R811	ERD25TJ102	CARBON	0.25W	5%	1KW	
R812	ERD25TJ681	CARBON	0.25W	5%	680W	
R814	ERD25TJ332	CARBON	0.25W	5%	3K3W	
R815	ERD25TJ150	CARBON	0.25W	5%	15W	
R816	ERDS1TJ470	CARBON	0.5W	5%	47W	
R818	ERD25TJ331	CARBON	0.25W	5%	330W	
R820	ERG3FJ223	METAL	3W	5%	22KW	⚠
R821	ERG3FJ223	METAL	3W	5%	22KW	⚠
R822	ERD25TJ391	CARBON	0.25W	5%	390W	
R823	ERX2SJR22	RESISTOR	2W	5%	R22W	
R824	ERX2SJR22	RESISTOR	2W	5%	R22W	
R825	ERX2SJR22	RESISTOR	2W	5%	R22W	
R827	ERDS1FJ100	CARBON	0.5W	5%	10W	
R828	ERD25TJ103	CARBON	0.25W	5%	10KW	
R829	ERD25TJ471	CARBON	0.25W	5%	470W	
R831	ERD75TAJ825	CARBON	0.75W	5%	8M2W	⚠
R832	ERG1SJ331	METAL	1W	5%	330W	⚠
R835	ERD25TJ220	CARBON	0.25W	5%	22W	
R836	ERD25TJ100	CARBON	0.25W	5%	10W	
R837	ERD25TJ153	CARBON	0.25W	5%	15KW	
R838	ERD25TJ102	CARBON	0.25W	5%	1KW	
R847	ERQ1CKPR68	FUSIBLE	1W	5%	R68W	⚠
R853	ERO25CKF1002	METAL	0.25W	1%	10KW	⚠
R854	ERDS1TJ153	CARBON	0.5W	5%	15KW	
R855	ERD25TJ472	CARBON	0.25W	5%	4K7W	
R856	ERD25TJ473	CARBON	0.25W	5%	47KW	
R858	ERO25CKF1002	METAL	0.25W	1%	10KW	⚠
R862	ERD25TJ472	CARBON	0.25W	5%	4K7W	
R863	ERG3FJ470	METAL	3W	5%	47W	⚠
R864	ERDS1TJ103	CARBON	0.5W	5%	10KW	
R865	ERG3FJ470	METAL	3W	5%	47W	⚠
R867	ERD25TJ102	CARBON	0.25W	5%	1KW	
R870	ERD25TJ101	CARBON	0.25W	5%	100W	
R873	ERDS1TJ2R2	CARBON	0.5W	5%	2.2W	
R876	ERD25TJ562	CARBON	0.25W	5%	5K6W	
R877	ERO25CKF1022	METAL	25W	1%	10KW	⚠
R878	ERO25CKF1002	METAL	0.25W	1%	10KW	⚠
R883	ERD25TJ103	CARBON	0.25W	5%	10KW	
R885	ERD25TJ103	CARBON	0.25W	5%	10KW	
R886	ERF10ZK4R7	WOUND	10W	5%	4R7W	⚠
R888	ERDS1TJ393	CARBON	0.5W	5%	39KW	
R889	ERD25TJ392	CARBON	0.25W	5%	3K9W	
R890	ERX3SJR56	RESISTOR	3W	5%	R56W	
R891	ERD25TJ103	CARBON	0.25W	5%	10KW	
R892	ERD25TJ222	CARBON	0.25W	5%	2K2W	
R894	ERD25TJ101	CARBON	0.25W	5%	100W	
R905	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680W	
R906	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56KW	
R907	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2W	
R908	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W	
R909	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W	
R910	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	

R911	ERD25TJ561	CARBON	0.25W	5%	560W	
R913	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18KW	
R914	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W	
R915	ERJ6GEYJ182	S.M.CARB	0.1W	5%	1K8W	
R916	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220W	
R918	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R919	ERQ14AJW390	FUSIBLE	14W	5%	39W	⚠
R920	ERQ14AJW390	FUSIBLE	14W	5%	39W	⚠
R922	ERD25TJ683	CARBON	0.25W	5%	68KW	
R923	ERD25TJ683	CARBON	0.25W	5%	68KW	
R924	ERDS1FYJ390	CARBON	0.5W	5%	39W	⚠
R925	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R926	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R927	ERD25TJ122	CARBON	0.25W	5%	1K2W	
R928	ERD25TJ2R7	CARBON	0.25W	5%	2R7W	
R929	ERDS1FYJ471	CARBON	0.5W	5%	470W	⚠
R930	ERD25TJ2R7	CARBON	0.25W	5%	2R7W	
R931	ERDS1FYJ390	CARBON	0.5W	5%	39W	⚠
R932	ERDS1FYJ101	CARBON	0.5W	5%	100W	⚠
R933	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W	
R934	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W	
R935	ERQ14AJW3R9	FUSIBLE	14W	5%	3R9W	⚠
R936	ERQ1CJP102	METAL	1W	5%	1KW	⚠
R937	ERQ14AJW100	METAL	0.25W	5%	10W	⚠
R938	ERD25TJ122	CARBON	0.25W	5%	1K2W	
R940	ERD25TJ3R3	CARBON	0.25W	5%	3R3W	
R941	ERD25TJ3R3	CARBON	0.25W	5%	3R3W	
R1054	ERD25TJ101	CARBON	0.25W	5%	100W	
R1057	ERD25TJ101	CARBON	0.25W	5%	100W	
R1058	ERD25TJ471	CARBON	0.25W	5%	470W	
R1059	ERD25TJ103	CARBON	0.25W	5%	10KW	
R1061	ERD25TJ103	CARBON	0.25W	5%	10KW	
R1062	ERD25TJ222	CARBON	0.25W	5%	2K2W	
R1063	ERD25TJ222	CARBON	0.25W	5%	2K2W	
R1064	ERD25TJ332	CARBON	0.25W	5%	3K3W	
R1065	ERD25TJ512	CARBON	0.25W	5%	5K1W	
R1066	ERD25TJ912	CARBON	0.25W	5%	9K1W	
R1101	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W	
R1102	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W	
R1103	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W	
R1104	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W	
R1105	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W	
R1106	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W	
R1107	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W	
R1108	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W	
R1111	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R1112	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R1113	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R1116	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R1117	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R1118	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R1119	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R1120	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R1121	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R1122	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R1123	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W	
R1124	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	
R1125	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	
R1126	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R1127	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R1128	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10W	
R1129	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10W	
R1133	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	
R1134	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	
R1135	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R1136	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220W	
R1137	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560W	
R1138	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	
R1142	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	
R1143	ERJ6GEYJ392	S.M.CARB	0.1W	5%	3K9W	
R1144	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
R1145	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W	
R1149	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KW	
R1150	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W	
R1151	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W	
R1152	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W	
R1153	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W	
R1154	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W	
R1156	ERJ6GEYJ182	S.M.CARB	0.1W	5%	1K8W	
R1163	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5W	
R1164	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R1169	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
R1170	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3W	
R1171	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8W	
R1172	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560W	
R1174	ERDS1TJ561	CARBON	0.5W	5%	560W	
R1182	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W	
R1183	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W	
R1184	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W	
R1185	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R1186	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	
R1188	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W	
R1190	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R1191	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW	
R1192	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW	
R1193	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	
R1194	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R1301	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
R1302	ERJ6GEYJ392	S.M.CARB	0.1W	5%	3K9W	
R1305	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56W	
R1306	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R1307	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6W	
R1308	ERJ6GEYJ105	S.M.CARB	0.1W	5%	1MW	
R1313	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R1315	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R1317	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180W	
R1318	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180W	
R1319	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R1320	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W	
R1321	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W	
R1322	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	
R1323	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	
R1324	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W	
R1325	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R1326	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R1327	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47W	
R1328	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
R1329	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R1337	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6W	
R1340	ERD25TJ272	CARBON	0.25W	5%	2K7W	
R1501	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56W	
R1502	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56W	
R1504	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120W	
R1507	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7W	
R1508	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120W	
R1510	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R1511	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7W	
R1513	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7W	
R1515	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
R1516	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
R1517	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
R1518	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R1519	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R1520	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R1523	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R1550	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220W	
R1551	ERJ6GEYJ180	S.M.CARB	0.1W	5%	18W	
R1552	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56W	
R1554	ERJ6GEYJ180	S.M.CARB	0.1W	5%	18W	
R1555	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330W	
R1560	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R1561	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	

R1562	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R1563	ERJ6GEYJ180	S.M.CARB	0.1W	5%	18W
R1568	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220W
R1570	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330W
R1572	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560W
R1575	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390W
R1576	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820W
R1577	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75W
R1578	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10W
R1581	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W
R1605	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R1606	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R1608	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W
R1620	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W
R1621	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R1622	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R1624	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
R1625	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270W
R1626	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390W
R1627	ERJ6GEYJ182	S.M.CARB	0.1W	5%	1K8W
R1628	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150W
R1629	ERJ6GEYJ201	S.M.CARB	0.1W	5%	200W
R1630	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180W
R1631	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW
R1632	ERJ6GEYJ133	SM.CARB	0.125W	5%	13KW
R1633	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150W
R1634	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
R1641	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56W
R1643	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW
R1644	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56W
R1646	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330W
R1647	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150W
R1648	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56W
R1649	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56W
R1650	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56W
R1652	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW
R1653	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56W
R1654	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56W
R1656	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW
R1659	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56W
R1662	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56W
R1666	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
R1667	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56W
R1668	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56W
R1679	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KW
R1680	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KW
R1681	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
R1682	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150W
R1683	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150W
R1688	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560W
R1701	ERJ6GEYJ180	S.M.CARB	0.1W	5%	18W
R1703	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R1704	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R1705	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KW
R1706	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KW
R1707	ERJ6GEYJ180	S.M.CARB	0.1W	5%	18W
R1710	ERJ6GEYJ180	S.M.CARB	0.1W	5%	18W
R1713	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W
R1716	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
R1724	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270W
R1730	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390W
R1777	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270W
R1778	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390W
R1801	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
R1802	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
R1803	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
R1804	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KW
R1805	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560W
R1806	ERJ6GEYJ823	S.M.CARB	0.1W	55	82KW
R1807	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10W
R1808	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10W
R1809	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390W
R1810	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390W
R1811	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220W
R1814	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
R1815	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6W
R1816	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5W
R1817	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W
R1818	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
R1819	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
R1820	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
R1821	ERQ14AJ221	FUSIBLE	14W	5%	220W ⚠
R1823	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56KW
R1833	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R1834	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R1835	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W
R1839	ERJ6GEYJ225	SM.CARB	0.125W	5%	2.2MW
R1841	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8W
R1842	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120W
R1843	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120W
R1844	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120W
R1860	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R1861	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R1862	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390W
R1863	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390W
R1864	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390W
R1866	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W
R1867	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680W
R1868	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
R1870	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
R1873	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
R1874	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
R1875	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
R1877	ERC14GJ206	SOLID	14W	5%	20MW
R1878	ERC14GJ206	SOLID	14W	5%	20MW
R1879	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W
R1880	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W
R1881	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W
R1882	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W
R1883	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W
R1884	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W
R1896	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
R1897	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
R1898	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
R1899	ERJ6GEYJ122	S.M.CARB	0.1W	5%	1K2W
R1901	ERD25TJ110	CARBON	0.25W	5%	11W
R1902	ERD25TJ110	CARBON	0.25W	5%	11W
R1903	ERD25TJ154	CARBON	0.25W	5%	150KW
R1904	ERD25TJ154	CARBON	0.25W	5%	150KW
R1905	ERD25TJ154	CARBON	0.25W	5%	150KW
R1906	ERD25TJ753	CARBON	0.25W	5%	75KW
R1908	ERD25TJ682	CARBON	0.25W	5%	6K8W
R1909	ERD25TJ362	CARBON	0.25W	5%	3.6KW
R2001	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47KW
R2004	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW
R2005	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R2006	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R2007	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18KW
R2008	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
R2009	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
R2010	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R2011	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W
R2012	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R2013	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W
R2014	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W
R2015	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W
R2016	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W
R2017	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W
R2018	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W
R2019	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W
R2020	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6W
R2021	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW

R2022	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W	
R2023	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R2025	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12KW	
R2026	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6W	
R2027	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
R2038	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R2039	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W	
R2044	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W	
R2045	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W	
R2301	ERJ6GEYJ2R2	SM.CARB	0.125W	5%	2R2W	
R2302	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18KW	
R2303	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KW	
R2304	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220W	
R2305	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	
R2306	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
R2307	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W	
R2308	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KW	
R2309	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW	
R2310	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KW	
R2311	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56KW	
R2312	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56KW	
R2313	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KW	
R2314	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW	
R2315	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW	
R2316	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KW	
R2317	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KW	
R2318	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W	
R2319	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW	
R2320	ERJ6GEYJ223	S.M.CARB	0.1W	5%	22KW	
R2322	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W	
R2351	ERQ14AJW100	METAL	0.25W	5%	10W	⚠
R2352	ERD25TJ101	CARBON	0.25W	5%	100W	
R2353	ERD25TJ101	CARBON	0.25W	5%	100W	
R2354	ERD25TJ473	CARBON	0.25W	5%	47KW	
R2355	ERD25TJ102	CARBON	0.25W	5%	1KW	
R2356	ERD25TJ102	CARBON	0.25W	5%	1KW	
R2357	ERD25TJ102	CARBON	0.25W	5%	1KW	
R2358	ERD25TJ102	CARBON	0.25W	5%	1KW	
R2359	ERD25TJ103	CARBON	0.25W	5%	10KW	
R2360	ERD25TJ183	CARBON	0.25W	5%	18KW	
R2361	ERD25TJ100	CARBON	0.25W	5%	10W	
R2371	ERQ14AJW100	METAL	0.25W	5%	10W	⚠
R2372	ERD25TJ101	CARBON	0.25W	5%	100W	
R2373	ERD25TJ101	CARBON	0.25W	5%	100W	
R2374	ERD25TJ473	CARBON	0.25W	5%	47KW	
R2375	ERD25TJ102	CARBON	0.25W	5%	1KW	
R2376	ERD25TJ102	CARBON	0.25W	5%	1KW	
R2377	ERD25TJ102	CARBON	0.25W	5%	1KW	
R2378	ERD25TJ102	CARBON	0.25W	5%	1KW	
R2379	ERD25TJ103	CARBON	0.25W	5%	10KW	
R2380	ERD25TJ183	CARBON	0.25W	5%	18KW	
R2381	ERD25TJ100	CARBON	0.25W	5%	10W	
R3006	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75W	
R3101	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
R3102	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
R3107	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW	
R3108	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW	
R3109	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680W	
R3110	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680W	
R3111	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
R3112	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
R3114	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680W	
R3115	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW	
R3117	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW	
R3118	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680W	
R3119	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KW	
R3120	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R3121	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R3122	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KW	
R3123	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KW	
R3124	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75W	
R3125	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47W	
R3126	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
R3127	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW	
R3128	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW	
R3129	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW	
R3130	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680W	
R3131	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680W	
R3132	ERD2FCVG100T	CARBON	2W	2%	10W	
R3133	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R3134	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R3135	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R3136	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R3137	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75W	
R3138	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47W	
R3139	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R3140	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R3141	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R3142	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R3143	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KW	
R3144	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R3145	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R3146	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KW	
R3147	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KW	
R3148	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75W	
R3149	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75W	
R3150	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47W	
R3151	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75W	
R3152	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R3153	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R3154	ERD2FCVG100T	CARBON	2W	2%	10W	
R3156	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W	
R3157	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220W	
R3158	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47W	
R3159	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680W	
R3160	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56KW	
R3161	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120W	
R3162	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R3163	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KW	
R3164	ERJ6GEYJ182	S.M.CARB	0.1W	5%	1K8W	
R3165	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	
R3166	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2W	
R3167	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW	
R3168	ERD2FCVG100T	CARBON	2W	2%	10W	
R3169	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R3170	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2W	
R3171	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12KW	
R3172	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5W	
R3173	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560W	
R3174	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5W	
R3175	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6W	
R3178	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R3180	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R3182	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R3184	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R3185	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KW	
R3186	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R3187	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KW	
R3188	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W	
R3192	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R3193	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W	
R3194	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75W	
R3195	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75W	
R3196	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47W	
R3197	ERD2FCVG100T	CARBON	2W	2%	10W	
R3198	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47W	
R3199	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47W	
R3200	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW	
R3201	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3W	
R3202	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3W	
R3205	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW	
R3206	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW	

R3207	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW
R3208	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R3209	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R3210	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5W
R3211	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5W
R3212	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12KW
R3213	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R3214	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KW
R3215	ERD2FCVG100T	CARBON	2W	2%	10W
R3216	ERJ6GEYJ680	S.M.CARB	0.1W	5%	68W
R3217	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW
R3218	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75W
R3219	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12KW
R3220	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R3221	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KW
R3222	ERJ6GEYJ680	S.M.CARB	0.1W	5%	68W
R3223	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW
R3224	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75W
R3225	ERD2FCVG100T	CARBON	2W	2%	10W
R3226	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KW
R3227	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
R3228	ERJ6GEYJ680	S.M.CARB	0.1W	5%	68W
R3229	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R3230	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW
R3231	ERD2FCVG100T	CARBON	2W	2%	10W
R3232	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7W
R3233	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330W
R3236	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW
R3237	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10KW
R3238	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KW
R3239	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15KW
R3240	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100KW
R3351	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W
R3352	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W
R3353	ERJ6GEYJ474	S.M.CARB	0.1W	5%	470KW
R3354	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW
R3355	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390W
R3501	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10W
R3502	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
R3503	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W
R3505	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10W
R3506	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10W
R3507	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W
R3508	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150W
R3509	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW
R3513	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W
R3514	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W
R3515	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470W
R3516	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7W
R3517	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1KW
R3518	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
R3520	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220W
R3521	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
R3522	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
R3523	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0W
R3526	ERD25TC0T	CARBON	0.25W	10%	0W
R3531	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220W
R3532	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390W
R3534	ERD25TJ181	CARBON	0.25W	5%	180W
R3802	ERG3FJ100	METAL	3W	5%	10W ⚠
R3803	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220W
R3804	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100W

SWITCHES

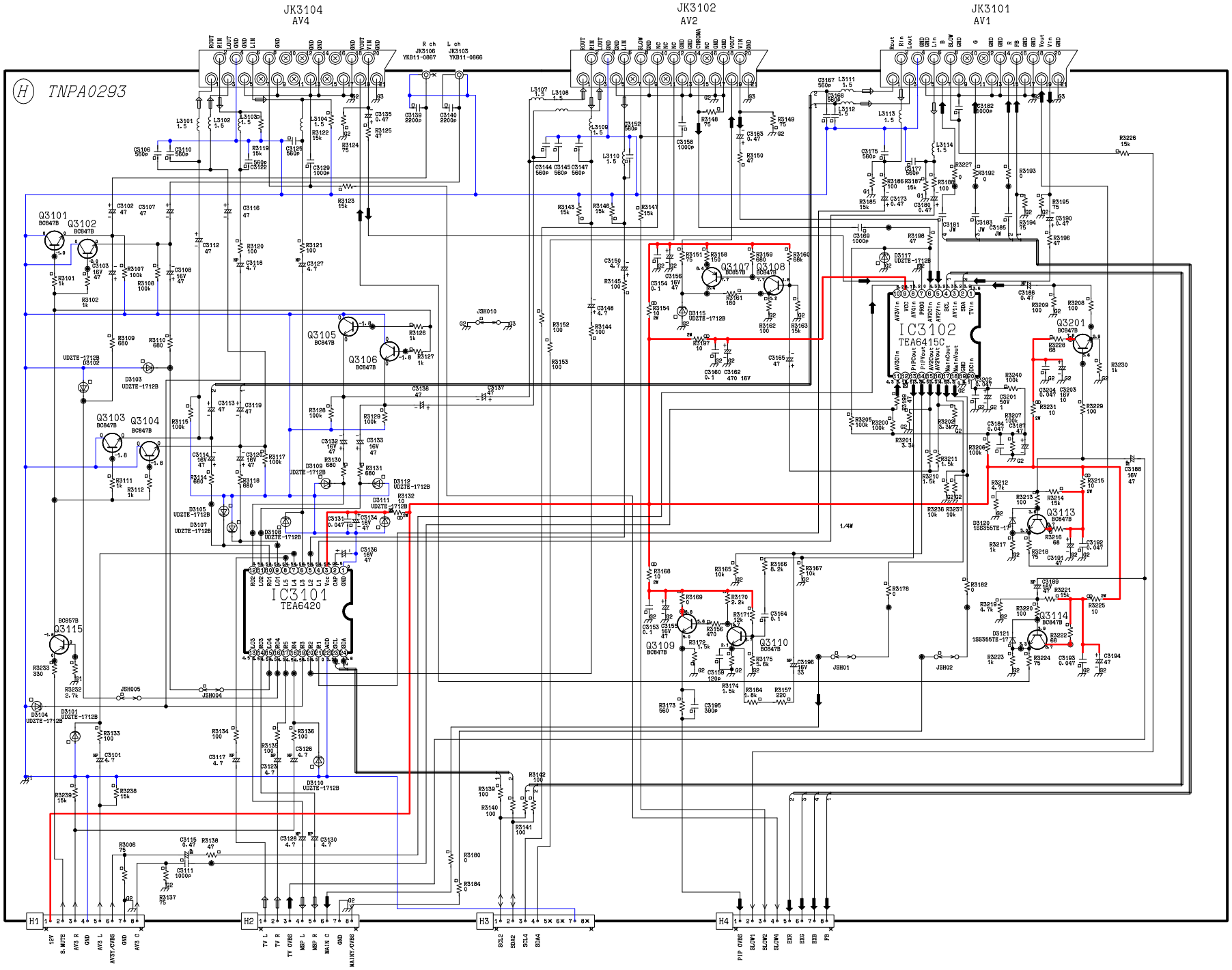
S801	ESB91232A	SWITCH	⚠
S1051	EVQ23405R	SWITCH	
S1052	EVQ23405R	SWITCH	
S1053	EVQ23405R	SWITCH	
S1054	EVQ23405R	SWITCH	
S1055	EVQ23405R	SWITCH	

TRANSFORMERS

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

FILTERS

X101	EFCT6504BF	FILTER
X102	EFCS5M7MW3	CERAMIC FILTER
X103	EFCS6R0MW5	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
X1815	TSSA024	CRYSTAL
X1816	TSSA025	CRYSTAL
X1841	TSSA009	CRYSTAL
X2001	TSS4004-B	CRYSTAL
X3501	TSSA009	CRYSTAL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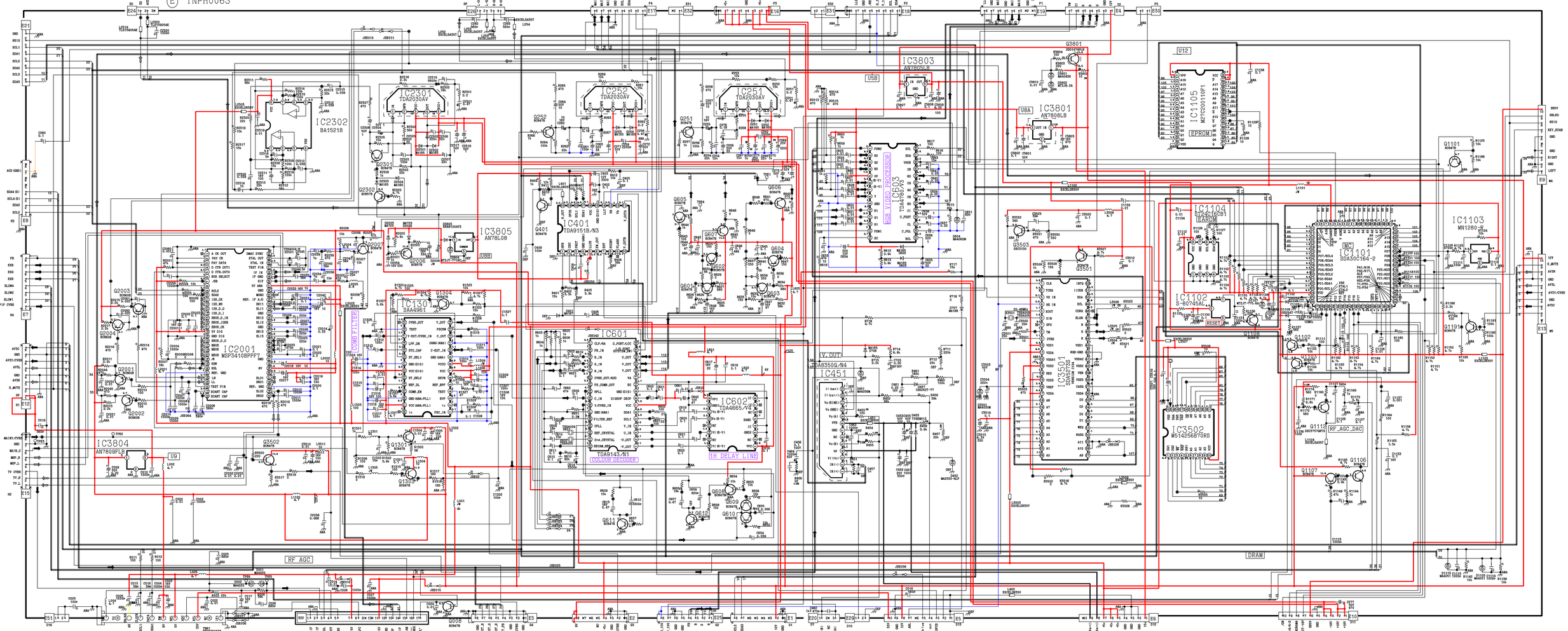
AV4
JK3102
AV2
JK3101
AV1
R ch
JK3106
YKB11-0867
L ch
JK3103
YKB11-0866
TNPA0293
IC3101
TEA6420
IC3102
TEA6415C
H1
H2
H3
H4
12V
S.MUTE
AV3 R
GND
AV3 L
AV3V.CVBS
GND
AV3 C
TV L
TV R
TV CVBS
MSP L
MSP R
MAIN C
GND
MAINV.CVBS
SCL2
SDA2
SCL4
SDA4
P1P CVBS
SLOW1
SLOW2
SLOW4
EXR
EXG
EXB
FB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BA15218
IC2301
TDA2030AV
IC252
TDA2030AV
IC251
TDA2030AV
IC3803
AN78DLB
IC3801
AN78DLB
IC1105
M27C2001F1
EPROM
IC401
TDA9151B/N3
IC603
TDA9178/P/3
RGB VIDEO PROCESSOR
IC3805
AN78L08
IC2001
MSP3410BPPF7
IC1501
SAA4961
CONF FILTER
IC601
TDA9143/N1
COLOUR DECODER
IC602
DA4665/N2
1H DELAY LINE
IC3804
AN7808FLB
IC1104
S1240LBCB1
EARCOM
IC1101
SDA30C164-2
IC1102
S-80745AL
RESET
IC1103
MN1280
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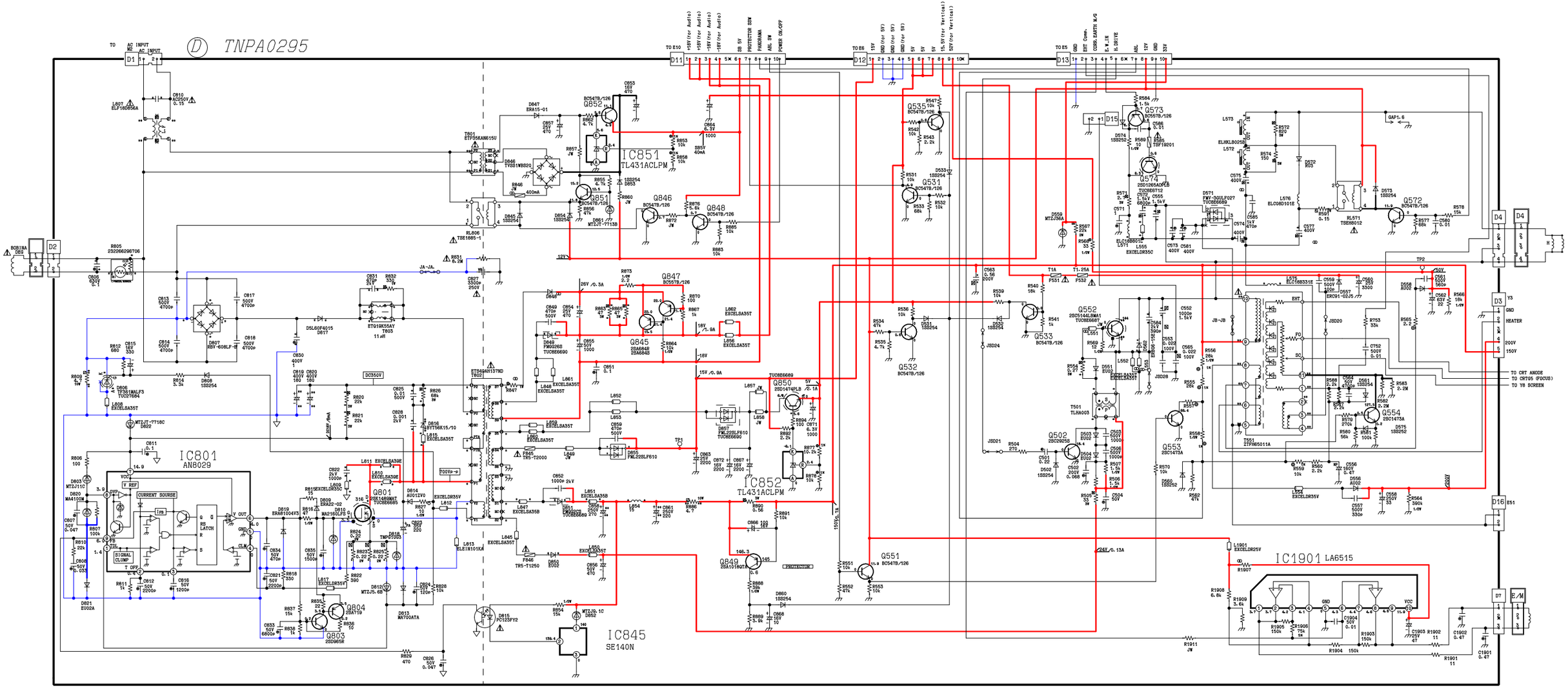
IC3504
SDA5708
IC451
DA83502/N4
V.OUT
RF_AGC_DAC
RF AGC
DRAM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IC851
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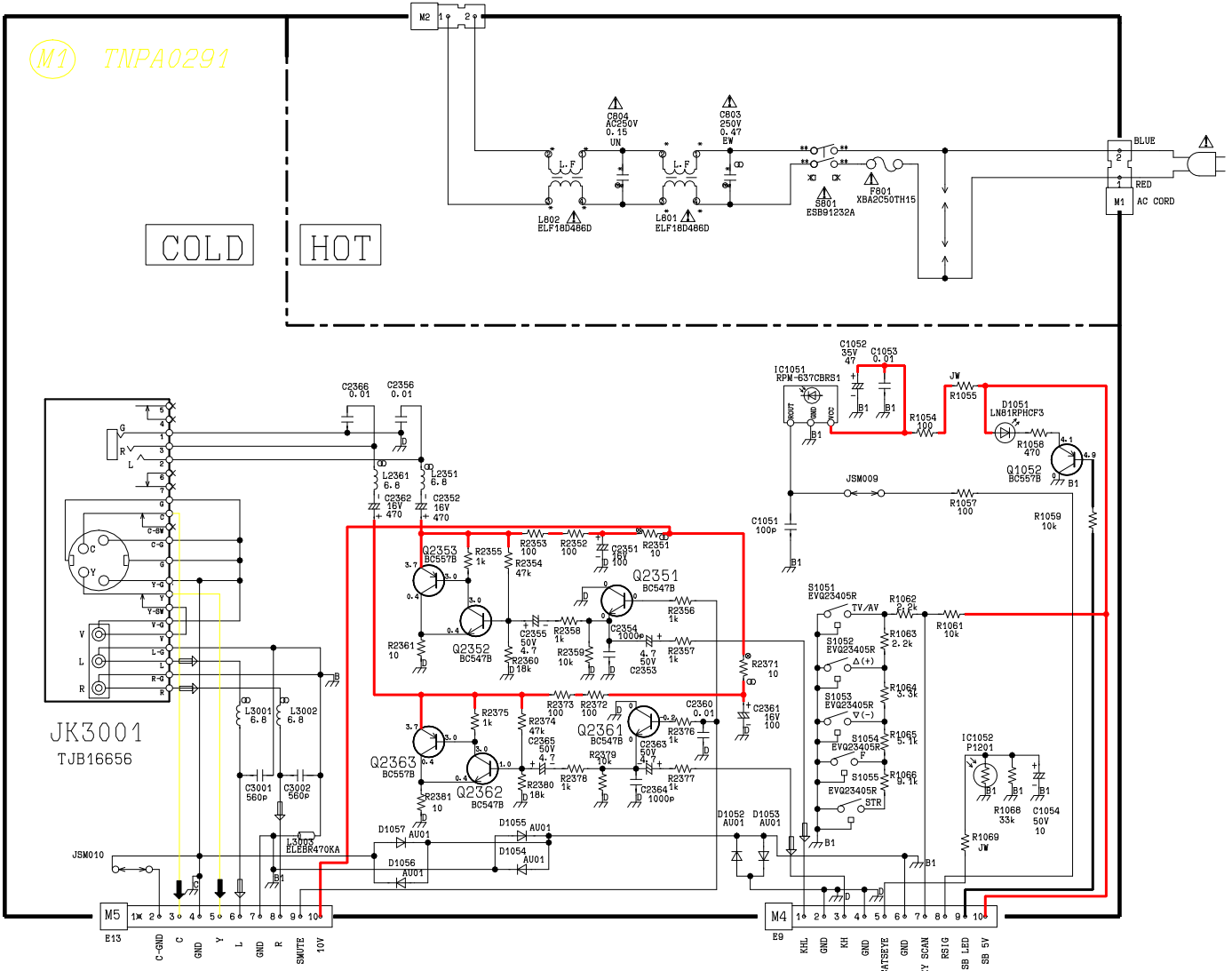
IC852
TL431ACLPM
IC845
SE140N
IC1901
LA6515
Q801
2SK1460MAT
Q803
2SD965R
Q804
2SA719
Q845
2SA684S
2SA684S
Q846
Q847
Q848
Q849
2SA1018UT
Q850
2SD1474PLB
Q851
Q852
Q531
Q532
Q533
Q551
Q552
2SC5144LBNA1
Q553
2SC1473A
Q554
2SC1473A
Q572
Q573
Q574
2SD1265AOPLB
Q502
2SC2625
TO AC INPUT
TO CRT ANODE
TO CRT05 (FOCUS)
TO Y8 SCREEN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M2
C804 AC250V 0.15 UN
C803 250V 0.47 EW
L802 ELF18D486D
L601 ELF18D486D
S801 ESB91232A
F801 XBA2C50TH15
BLUE
RED
M1 AC CORD
COLD
HOT
JK3001
TJB16656
M5
E13
C-GND
C
GND
Y
L
GND
R
SMUTE
10V
M4
E9
KHL
GND
KH
GND
CATSEYE
GND
KEY SCAN
RSIG
SB LED
SB 5V
IC1051 RPM-637CBRS1
D1051 LN81RPHCF3
Q1052 BC557B
Q2351 BC547B
Q2352 BC547B
Q2353 BC557B
Q2361 BC547B
Q2362 BC547B
Q2363 BC557B
IC1052 P1201
S1051 EVQ23405R
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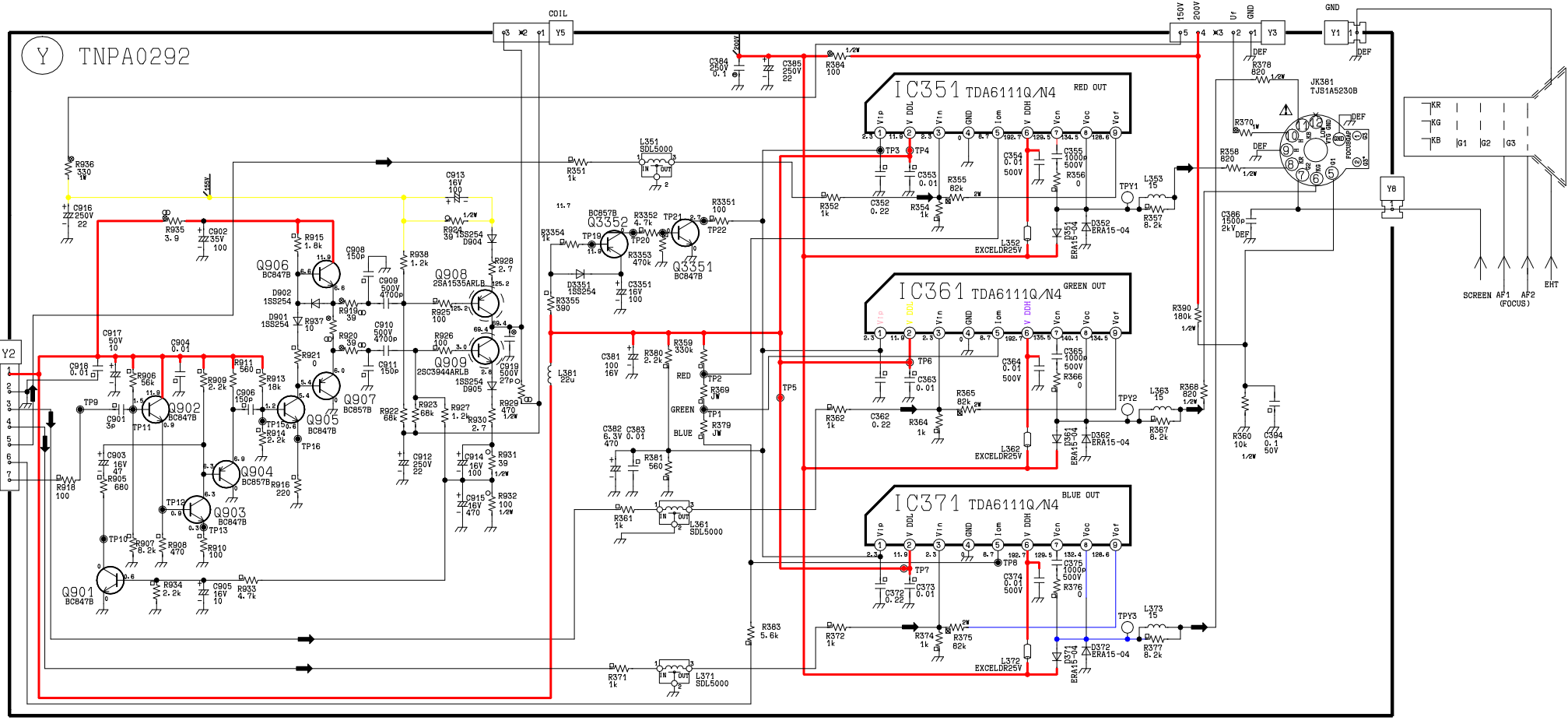
L3003 ELEBR470KA
JSM009
JSM010


Y
TNPA0292
COIL
Y5
Y2
E4
12V
GND
G
B
R
C.O.
IC351 TDA6111Q/N4
RED OUT
IC361 TDA6111Q/N4
GREEN OUT
IC371 TDA6111Q/N4
BLUE OUT
Y3
Y1
JK381
TJ81A5230B
Y8
KR
KG
KB
G1
G2
G3
SCREEN
AF1
AF2
(FOCUS)
EHT
Q906
BC847B
Q908
2SA1535ARLB
Q909
2SC3944ARLB
Q907
BC857B
Q905
BC847B
Q902
BC847B
Q904
BC857B
Q903
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Q901
BC847B
Q3352
BC857B
Q3351
BC847B
L351
SDL5000
L361
SDL5000
L371
SDL5000
L352
EXCELDR25V
L362
EXCELDR25V
L372
EXCELDR25V
D352
ERA15-04
D362
ERA15-04
D372
ERA15-04
D351
ERA15-04
D361
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D371
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D904
1SS254
D905
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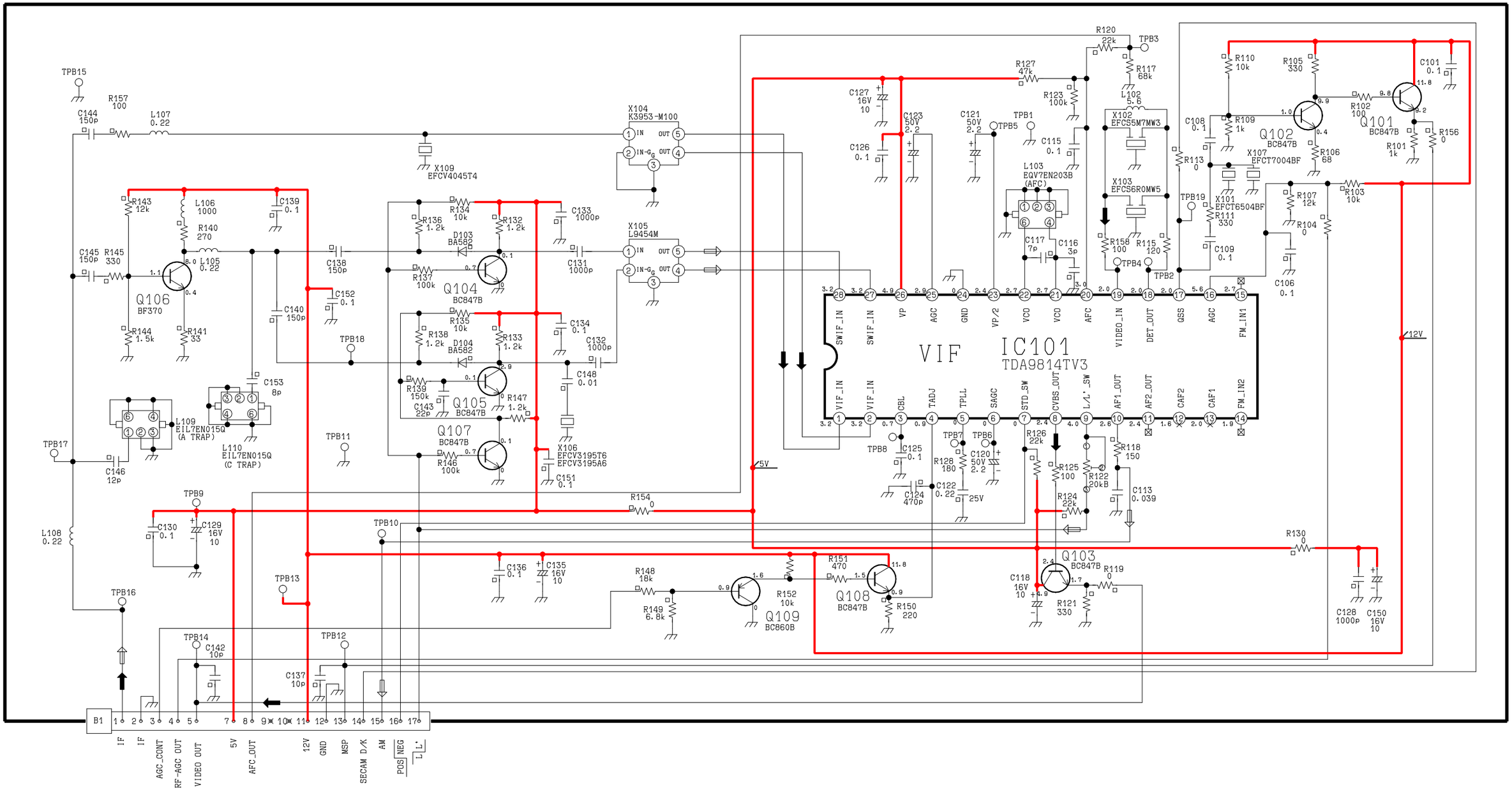
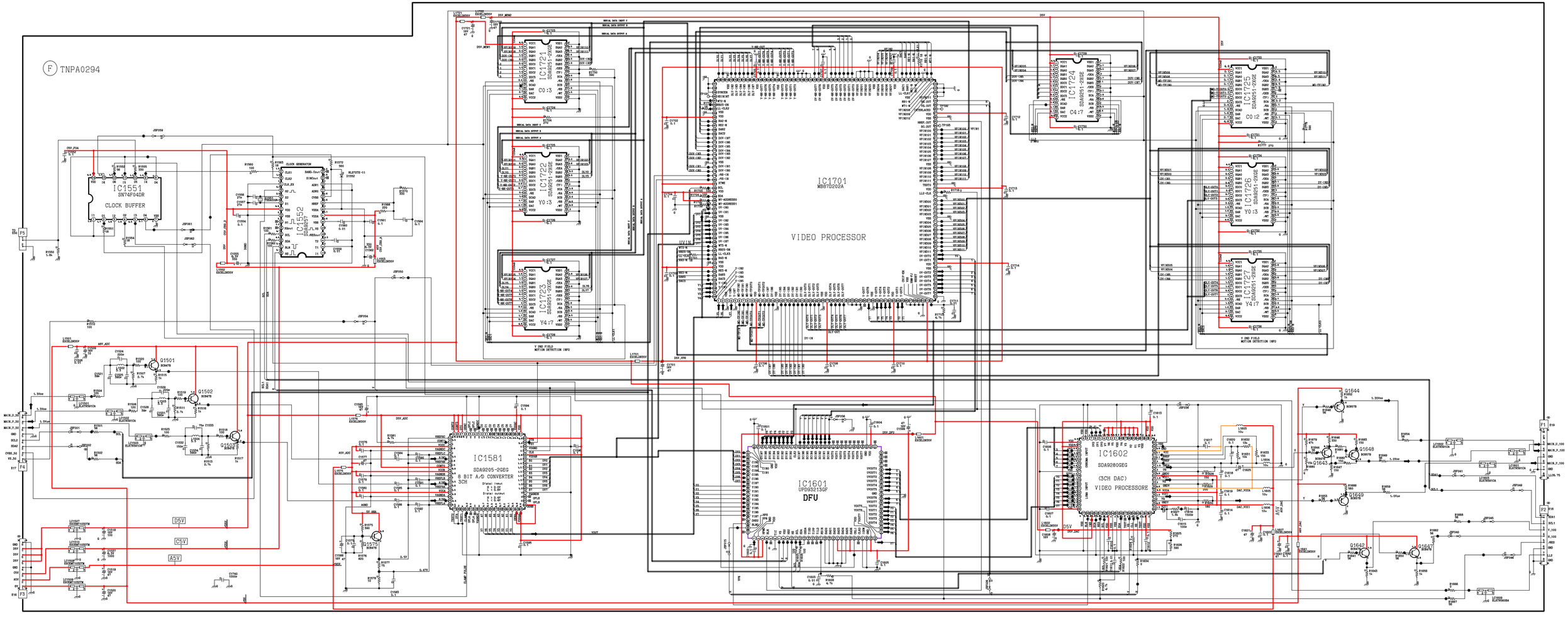
TPY1
TPY2
TPY3
RED
GREEN
BLUE


VIF IC101
TDA9814TV3
SWIF_IN
VP
AGC
GND
VP/2
VCO
AFC
VIDEO_IN
DET_OUT
QSS
FM_IN1
VIF_IN
CBL
TADJ
TPLL
SAGC
STD_SW
CVBS_OUT
L/L'_SW
AF1_OUT
AF2_OUT
CAF2
CAF1
FM_IN2
X104
K3953-M100
X105
L9454M
X109
EFCV4045T4
X106
EFCV3195T6
EFCV3195A6
X102
EFCS5M7MW3
X103
EFCS6R0MW5
X107
EFCT7004BF
X101
EFCT6504BF
L103
EQV7EN203B
(AFC)
L109
EIL7EN015Q
(A TRAP)
L110
EIL7EN015Q
(C TRAP)
Q106
BF370
Q104
BC847B
Q105
BC847B
Q107
BC847B
Q108
BC847B
Q109
BC860B
Q102
BC847B
Q101
BC847B
Q103
BC847B
12V
5V
B1
IF
IF
AGC_CONT
RF-AGC OUT
VIDEO OUT
5V
AFC_OUT
12V
GND
MSP
SECAM D/K
AM
POS NEG
L/L'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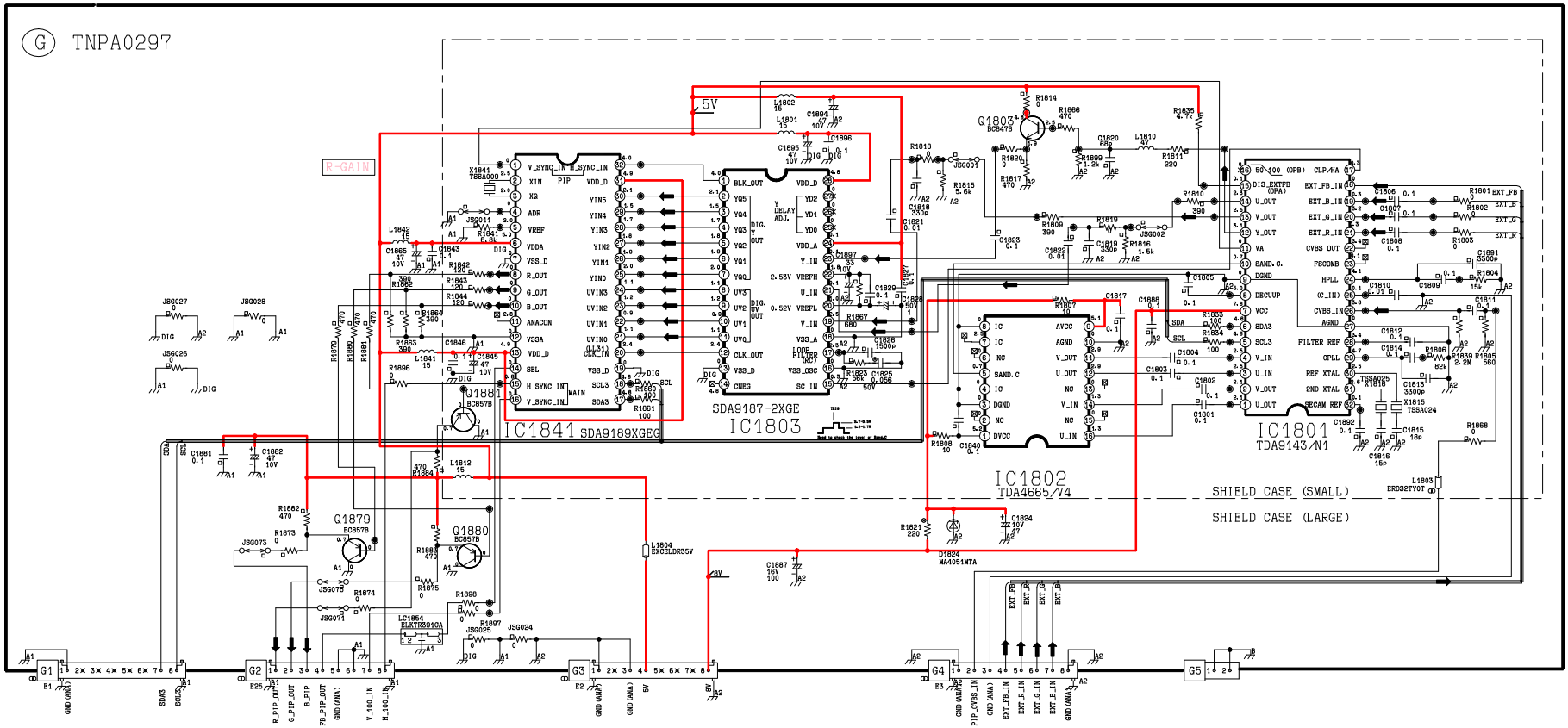
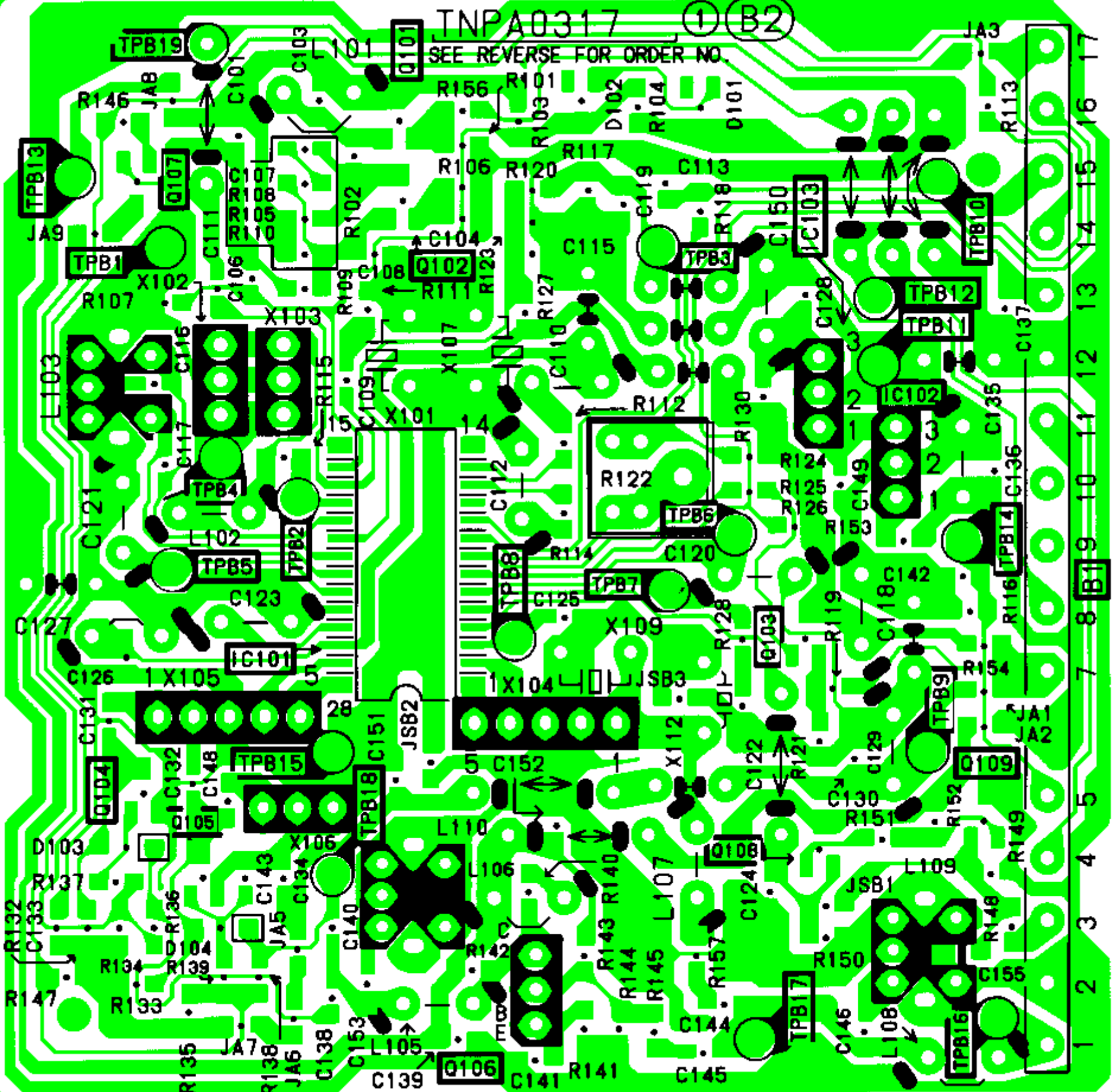
SN74F04DR
CLOCK BUFFER
IC1552
SDA9257
CLOCK GENERATOR
IC1721
SDA9251-2XGE
C0:3
IC1722
SDA9251-2XGE
Y0:3
IC1723
SDA9251-2XGE
Y4:7
Y 2ND FIELD
MOTION DETECTION INFO
IC1724
SDA9251-2XGE
C4:7
IC1725
SDA9251-2XGE
C0:2
IC1726
SDA9251-2XGE
Y0:3
IC1727
SDA9251-2XGE
Y4:7
Y 2ND FIELD
MOTION DETECTION INFO
IC1701
MB87D202A
VIDEO PROCESSOR
IC1581
SDA9205-2GEG
8 BIT A/D CONVERTER
3CH
IC1601
UPD93213GF
DFU
IC1602
SDA9280GEG
(3CH DAC)
VIDEO PROCESSORE
Q1501
Q1502
Q1503
Q1575
Q1642
Q1643
Q1644
Q1645
Q1646
Q1647
Q1648
Q1649
D5V
C5V
A5V

G TNPA0297


5V
R-GAIN
IC1841 SDA9189XGEG
SDA9187-2XGE
IC1803
IC1801
TDA9143/N1
IC1802
TDA4665/V4
Q1803
BC847B
Q1881
BC857B
Q1879
BC857B
Q1880
BC857B
SHIELD CASE (SMALL)
SHIELD CASE (LARGE)
L1804
EXCELDR35V
D1824
MA4051WTA
G1
G2
G3
G4
G5


TNPA0317 ① B2
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TPB1
TPB4
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TPB2
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TPB7
TPB6
TPB3
TPB10
TPB12
TPB11
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TPB9
TPB15
TPB18
TPB17
TPB16
Q101
Q102
Q103
Q104
Q105
Q106
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Q108
Q109
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IC102
IC103
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X102
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X104
X105
X106
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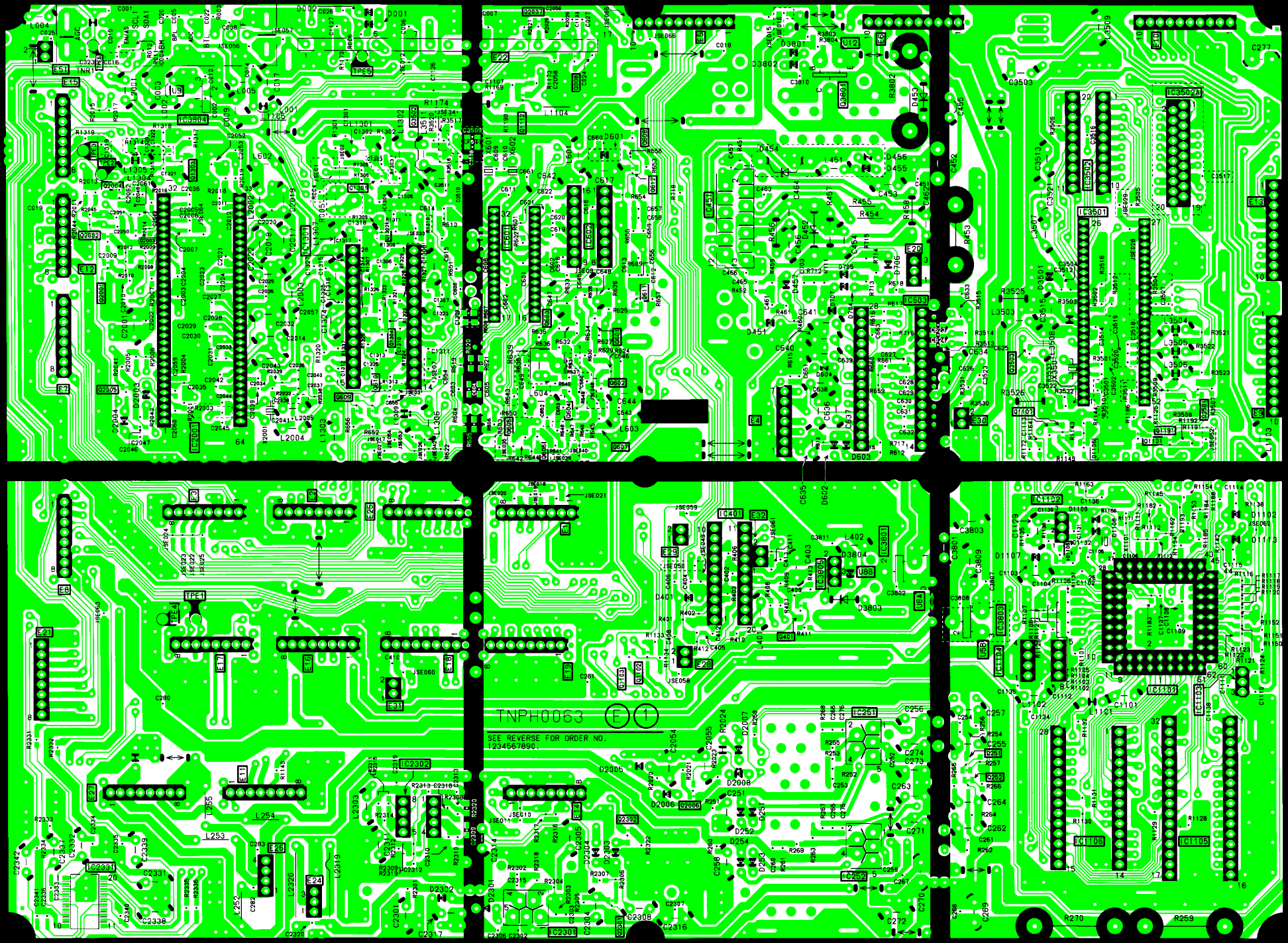
JA6
JA7
JA8
JA9
B1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SEE REVERSE FOR ORDER NO.
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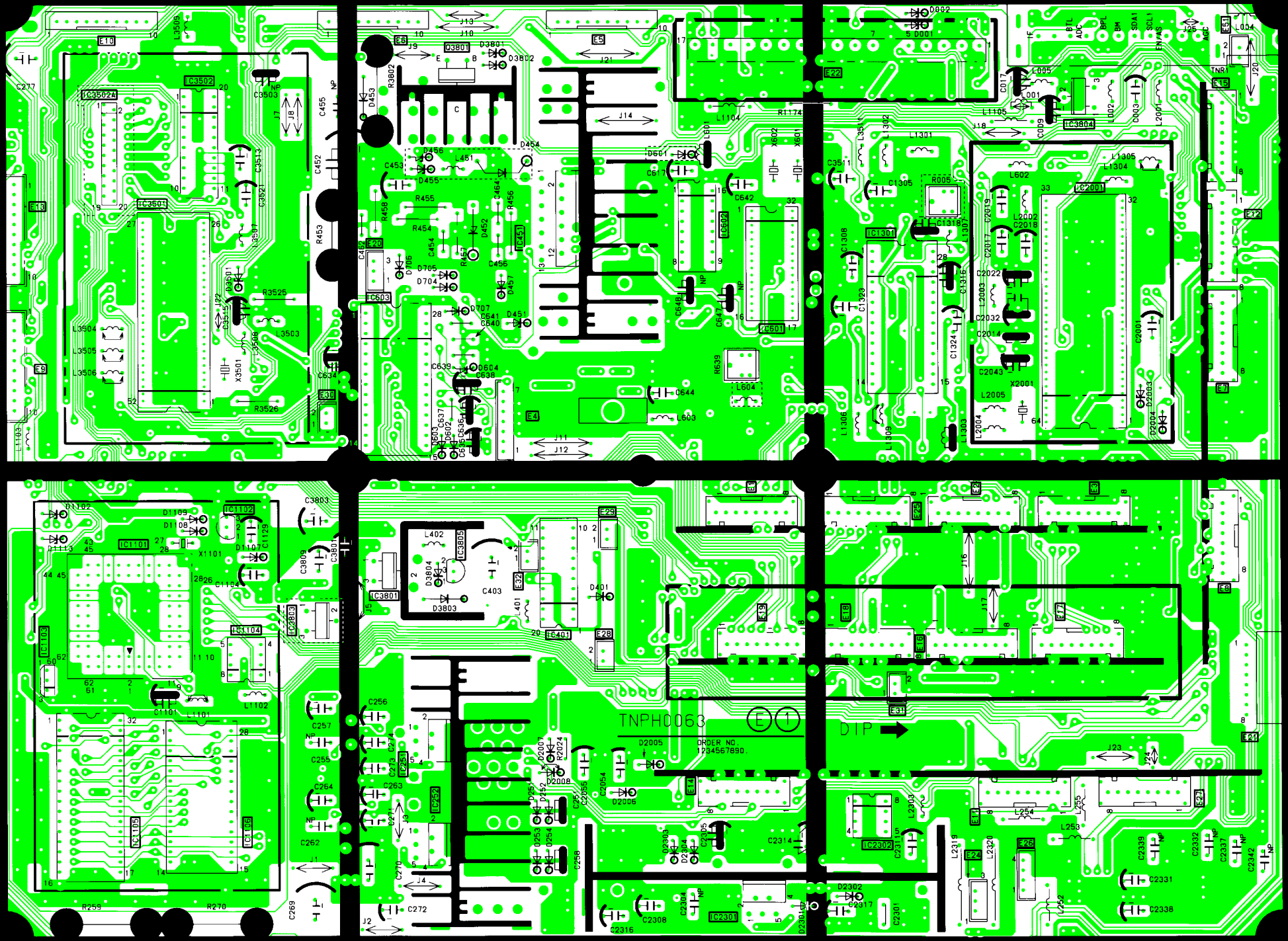
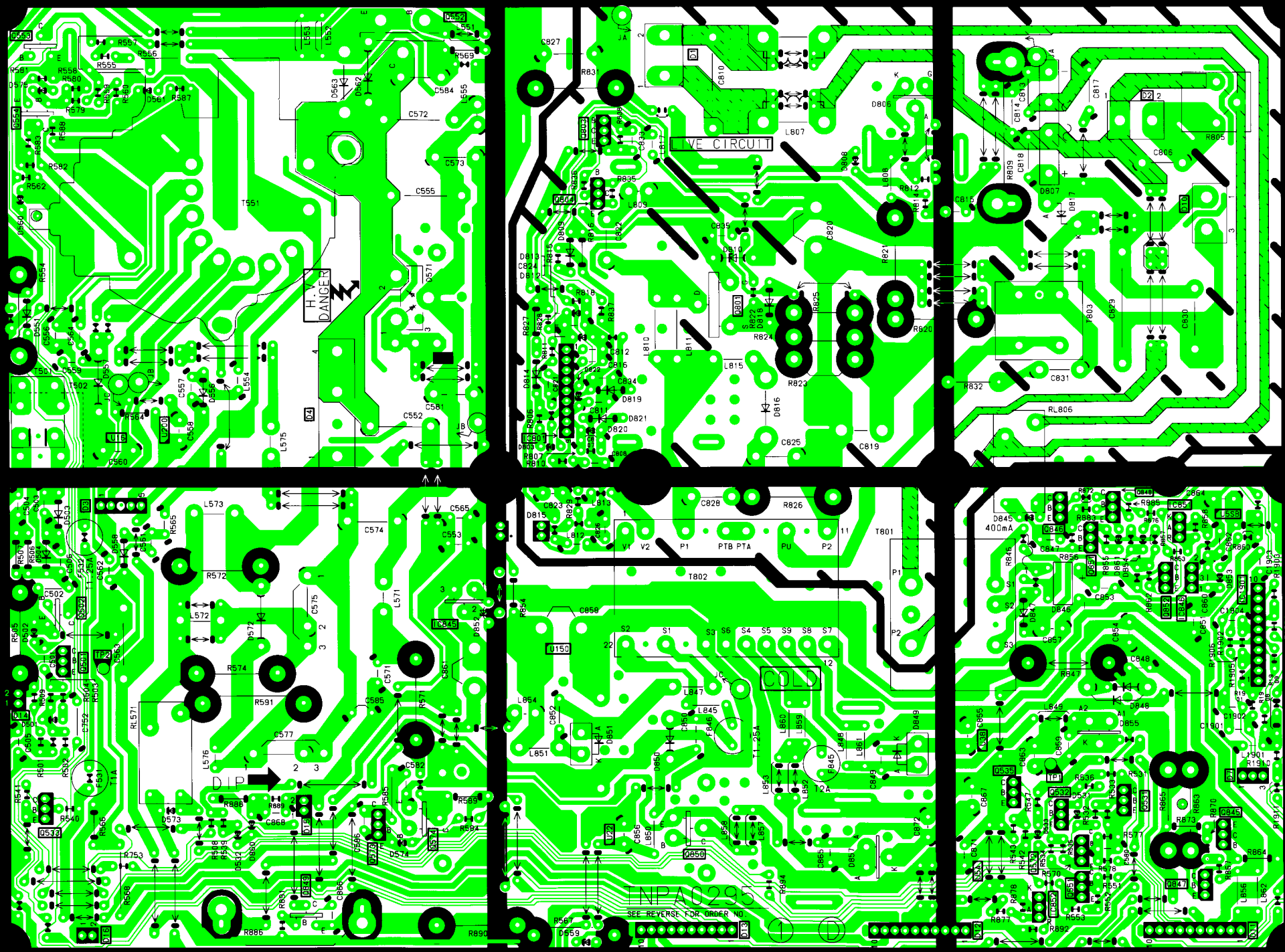
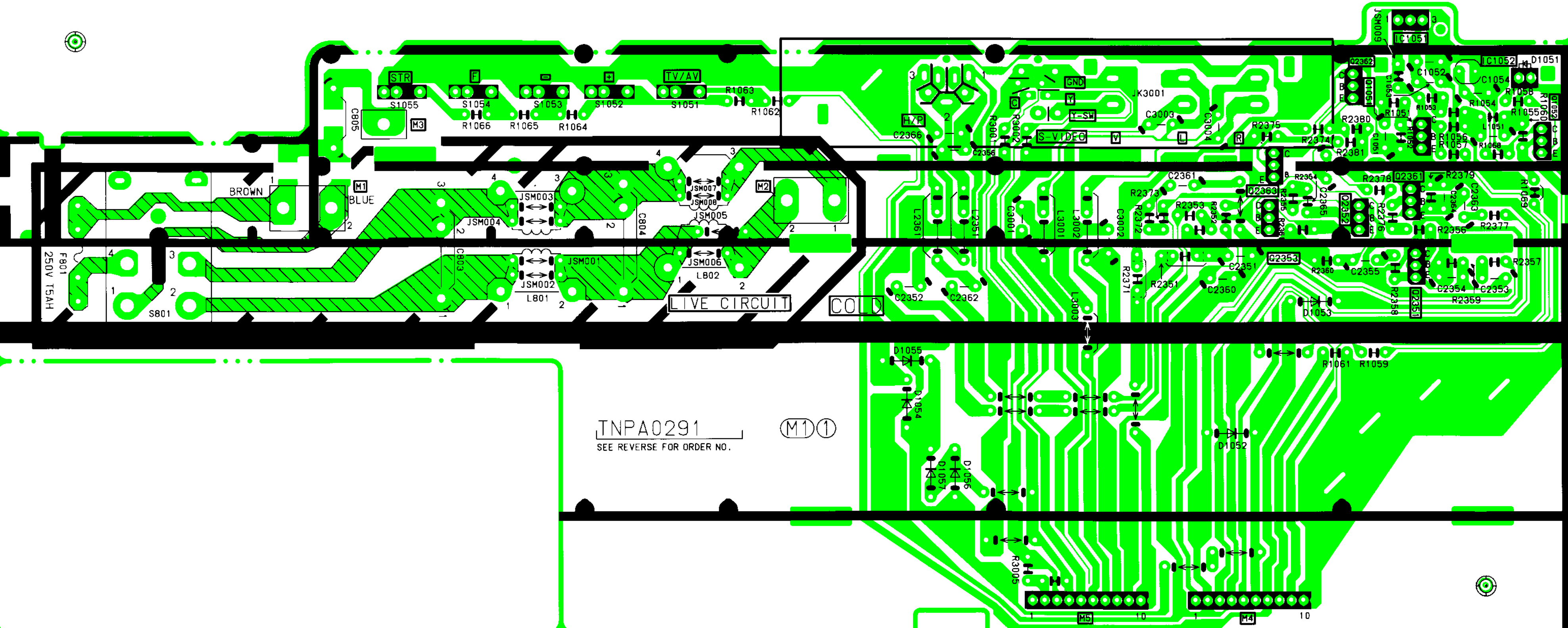
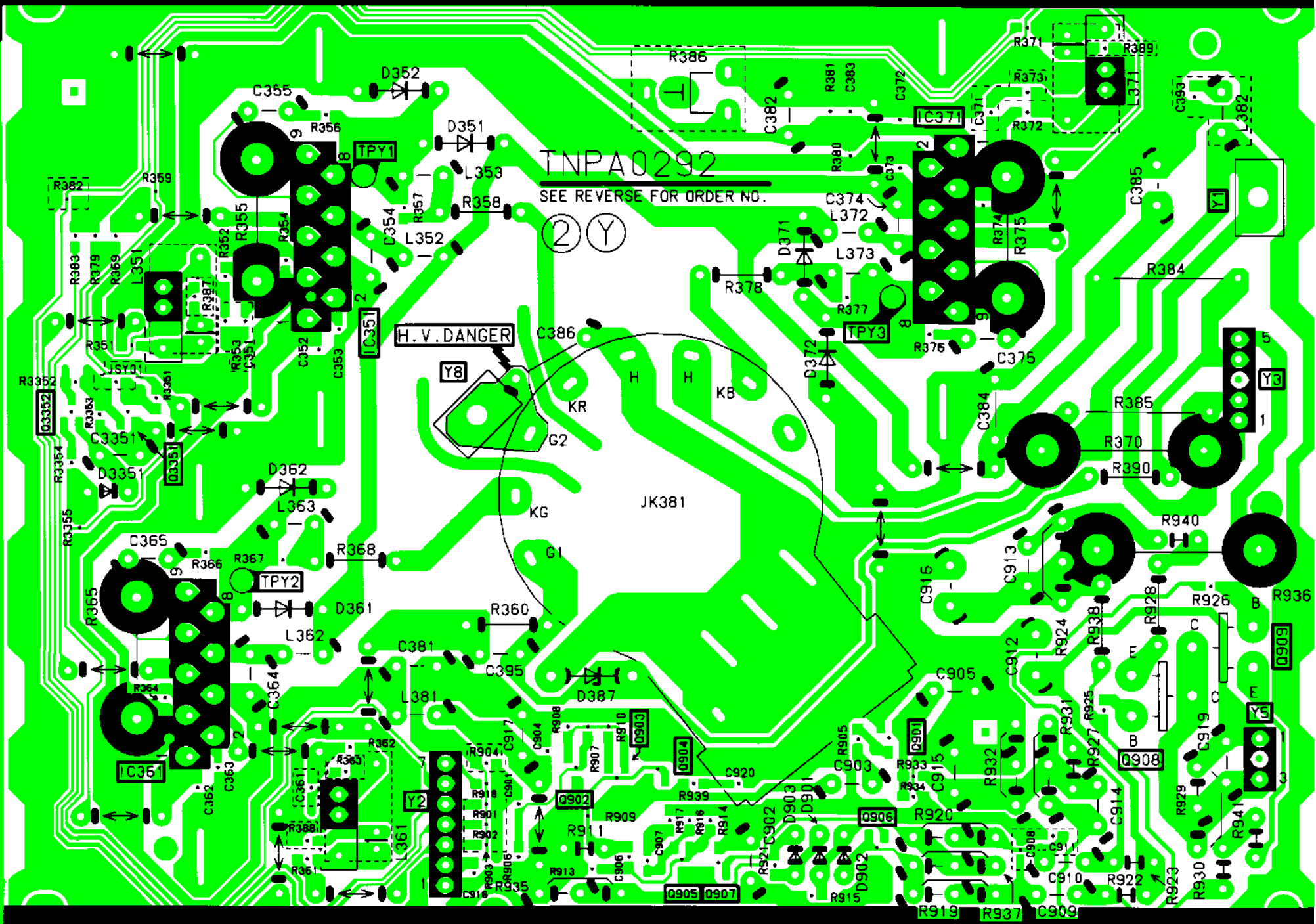

TNPH0063
ORDER NO.
1234567890.
DIP


H.V.
DANGER
LIVE CIRCUIT
COLD
INPA0295
SEE REVERSE FOR ORDER NO
400mA



STR
S1055
S1054
S1053
S1052
TV/AV
S1051
R1066
R1065
R1064
R1063
R1062
C805
M3
BROWN
M1
BLUE
JSM003
JSM004
JSM007
JSM008
JSM005
M2
C804
C803
JSM001
JSM002
JSM006
L801
L802
F801
250V T5AH
S801
LIVE CIRCUIT
COLD
H/P
C2366
C2356
R3001
R3002
GND
Y
Y-SW
S-VIDEO
V
L
R
JK3001
C3003
C3004
L2361
L2351
C3001
L3001
L3002
C3002
L3003
C2352
C2362
C2361
R2373
R2372
R2353
R2352
R2371
R2351
C2351
C2360
Q2353
Q2363
Q2352
Q2362
Q2361
Q2351
R2375
R2374
R2354
R2355
C2365
R2380
R2381
R2378
R2379
R2376
R2356
R2377
C2364
C2363
R2360
C2355
R2358
C2354
C2353
R2359
R2357
R1069
D1053
JSM009
IC1051
IC1052
D1051
C1052
C1053
C1054
Q1051
Q1052
R1051
R1052
R1053
R1054
R1055
R1056
R1057
R1058
R1060
R1068
L1051
C1051
D1055
D1054
D1057
D1056
D1052
R1061
R1059
R3005
M5
M4
TNPA0291
SEE REVERSE FOR ORDER NO.
M1 1


TNPA0292
SEE REVERSE FOR ORDER NO.
2 Y
H.V.DANGER
Y8
KR
G2
KG
G1
H
H
KB
JK381
TPY1
TPY2
TPY3
IC351
IC361
IC371
IC351
Y1
Y2
Y3
Y5
Q352
Q351
Q903
Q904
Q902
Q906
Q905
Q907
Q901
Q908
Q909
R386
R371
R389
R373
R372
R382
R359
R356
R355
R354
R357
R358
R352
R383
R379
R369
R387
R351
R353
R361
R3352
R3353
R3354
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R3364
R3365
R366
R367
R368
R360
R362
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R378
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R376
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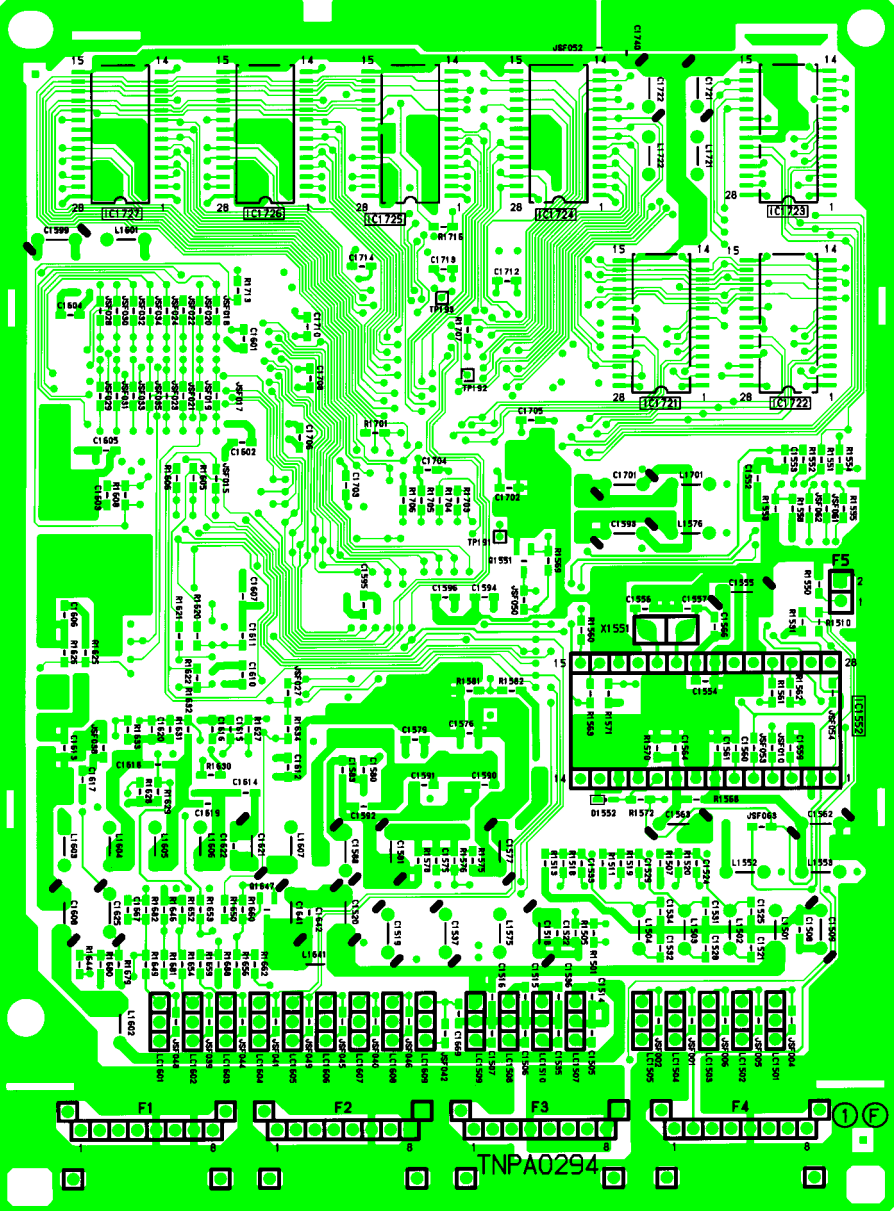
R914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IC1723
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IC1552
X1551
F5
F1
F2
F3
F4
TNPA0294

AV1
AV2
AV4
JK3101
JK3102
JK3104
JK3103
JK3105
R3215
R3154
R3225
R3197
C3188
C3186
C3203
C3194
C3189
C3165
C3162
C3156
C3190
C3163
C3135
C3180
C3191
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C3114
C3134
C3120
C3136
C3107
C3108
C3103
C3102
R3231
IC3102
C3200
C3187
C3155
C3196
R3168
R3176
C3171
L3114
L3112
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L3109
L3107
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L3101
R3132
IC3101
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C3112
C3115
C3130
C3128
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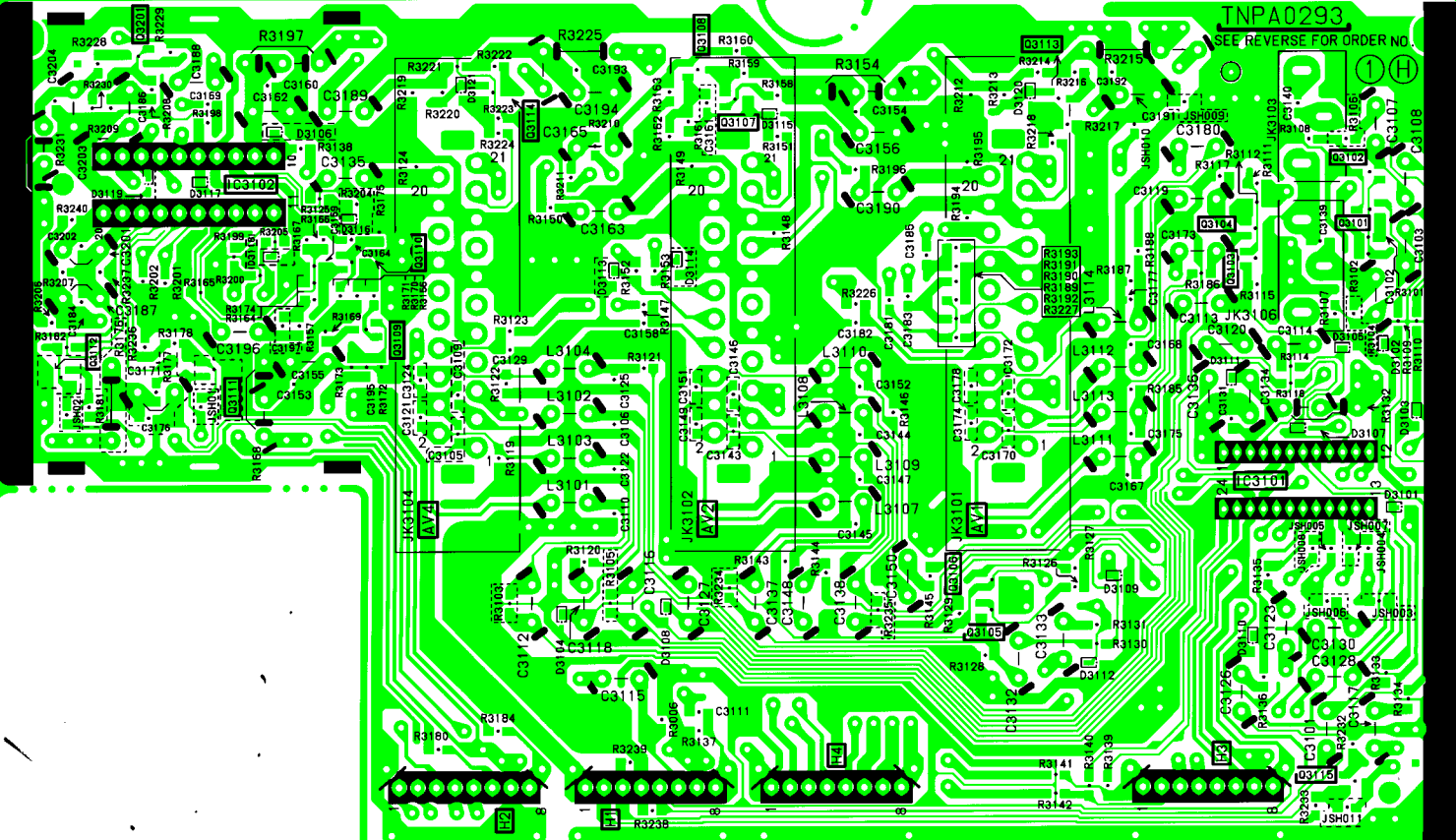
INPA0293
ORDER NO.
DIP
H1
H2
H3
H4

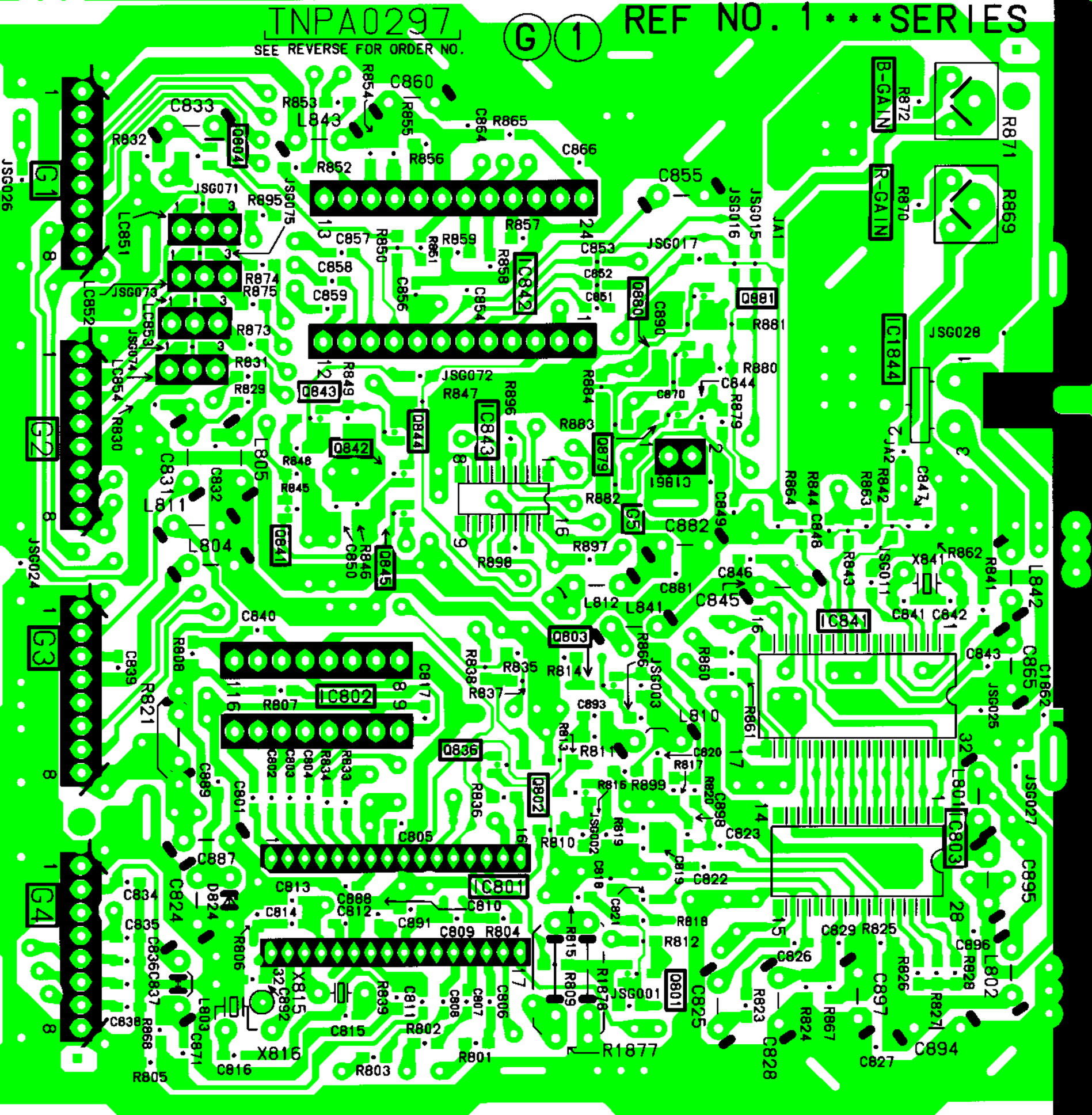

TNPA0293
SEE REVERSE FOR ORDER NO.
1
H
IC3102
IC3101
JK3104
JK3102
JK3101
JK3106
AV4
AV2
AV1
H1
H2
H3
H4

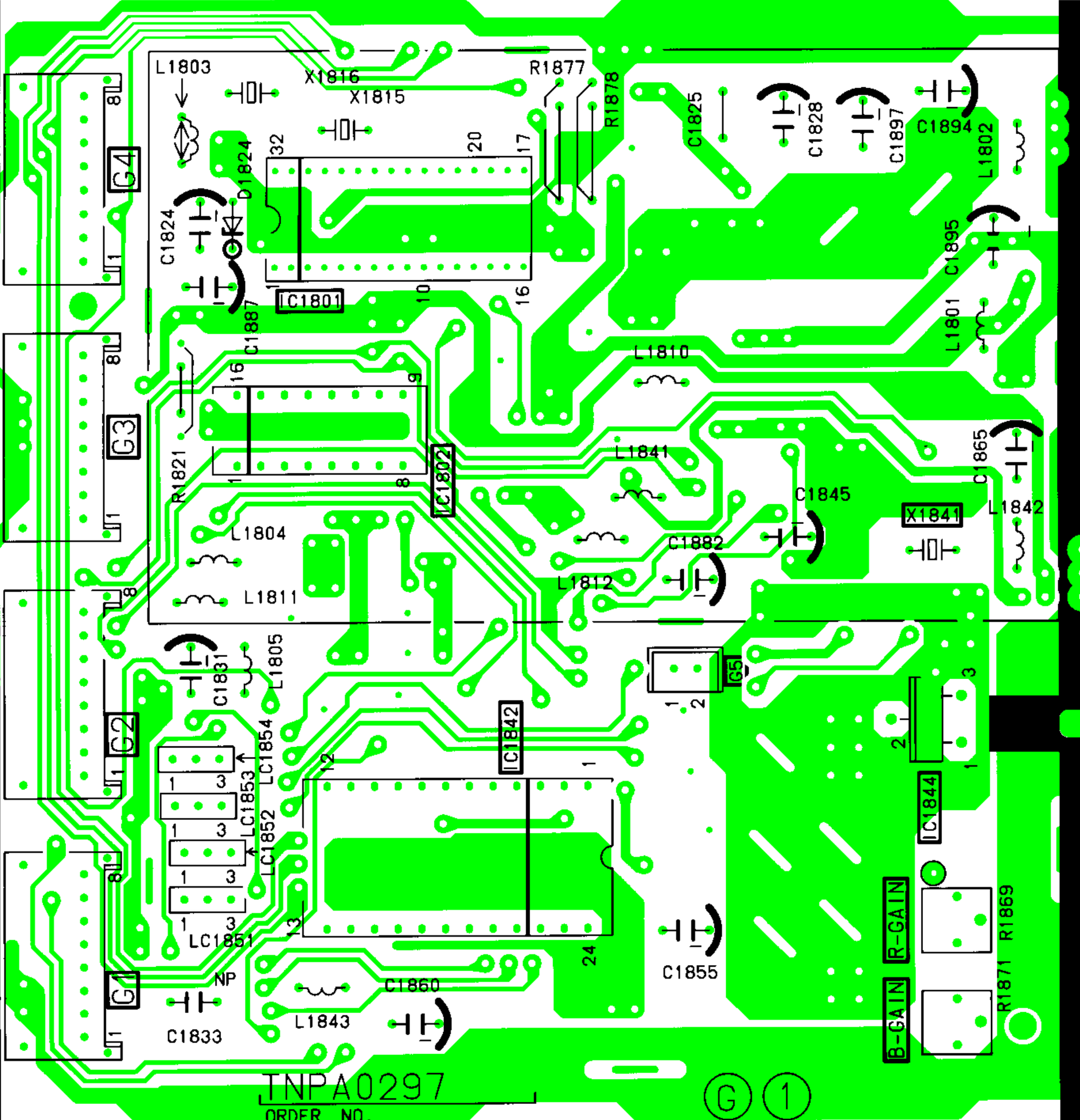
TNPA0297

SEE REVERSE FOR ORDER NO.

G 1

REF NO. 1***SERIES

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L1802
C1895
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C1865
L1842
X1841
C1845
C1882
L1812
L1841
L1810
L1804
L1811
R1821
C1824
D1824
C1887
IC1801
IC1802
IC1842
IC1844
C1831
L1805
LC1854
LC1853
LC1852
LC1851
NP
C1833
L1843
C1860
C1855
R-GAIN
B-GAIN
R1871
R1869
G1
G2
G3
G4
G5
TNPA0297
ORDER NO.
G 1