TOSHIBA

FILE NO. 030-200206

SERVICE MANUAL

COLOUR TELEVISION

ZD26 Chassis

32ZD26P

PUBLISHED IN JAPAN Mar. 2002 So

TOSHIBA

FILE NO. 033-200211

SERVICE MANUAL

COLOUR TELEVISION

ZD26 Chassis

36ZD26P

– SUMMARY –

36ZD26P is the same as 32ZD26P except for the parts tabled on back of this sheet.
Use this service manual together with the original service manual of 32ZD26P (File No. 030-200206).

PUBLISHED IN JAPAN, Apr., 2002 (So)

REPLACEMENT PARTS LIST DIFFERENCES

Location No.	Part No.	Description
A201S	23530290	Front Cover
A236	23527222	Grille
A401	23530295	Back Cover
A701	23064844	Carton
A702	23946377	Packing, Bottom
A703	23946378	Packing, Top
CA14	24212103	CD, 0.01μF, ±10%
CA95	24794100	EL, 10μF, ±20%, 16V
DJ01	23118859	Diode, 1SS133
DJ02	23316726	Diode, Zener, MTZJ15C
⚠L901	23200491	Coil, Degaussing, TSB-2405CM
LJ901	23200488	Coil, Degaussing, TSB-2418AM
QA14	23314791	Transistor, 2PA1015Y
QJ02	23314794	Transistor, 2PC1815Y
QJ03	23314912	Transistor, 2SC4793
QJ04	23314794	Transistor, 2PC1815Y
R211	24366473	CF, 47k ohm
R219	24366473	CF, 47k ohm
R227	24366223	CF, 22k ohm
RA34	24366103	CF, 10k ohm
RA91	24011103	Chip, 10k ohm, 1/20W
RA92	24011102	Chip, 1k ohm, 1/20W
RA97	24011102	Chip, 1k ohm, 1/20W
RA98	24011103	Chip, 10k ohm, 1/20W
RJ01	24366103	CF, 10k ohm
RJ02	24366102	CF, 1k ohm
RJ04	24366102	CF, 1k ohm
RJ05	24323479	MF, 4.7 ohm, 2W
RJ06	24366103	CF, 10k ohm
RJ10	24552560	OMF, 56 ohm, 1/2W
SJ01	23146958	Relay, DC12V
⚠T461	23236745	Transformer, Flyback, TFB4187AD
✻U901	23787337	CRT-D Board, PD0491B
✻U902	23787338	SIGNAL Board, PD0492B
✻U903A	23787339	POWER Board, PD0493B-1
✻U903B	23787600	CONT-2 Board, PD0493B-2
✻U903C	23787599	INDICATOR Board, PD0493B-3
✻U904	23787340	DEF Board, PD0494B
⚠V901	23312965	Picture Tube, W86LTQ350X97

TOSHIBA CORPORATION

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TOSHIBA

FILE NO. 033-200303

SERVICE MANUAL

COLOUR TELEVISION

ZD36 Chassis

36ZD36P, 32ZD36P

– SUMMARY –

36ZD36P, 32ZD36P are the same as 32ZD26P except for the parts tabled on back of this sheet. Use this service manual together with the original service manual of 32ZD26P (File No. 030-200206).

PUBLISHED IN JAPAN, May, 2003 So

REPLACEMENT PARTS LIST DIFFERENCES

Location No.	Part No.	Description
A201S	23532101	Front Cover for Service (36ZD36P)
A201S	23532035	Front Cover for Service (32ZD36P)
A236	23527222	Grille, Speaker Grille (36ZD26P)
⚠A401	23530295	Back Cover Assey (36ZD36P)
A701	23064844	Carton (36ZD26P)
A702	23946377	Packing, Bottom (36ZD26P)
A703	23946378	Packing, Top (36ZD26P)
A709	23845450	Joint (36ZD26P)
C309	24590102	PF, 1000pF
C313	24082280	PF, 0.22μF, 100V
C361	24503045	PF, 0.22μF, 63V (36ZD26P)
C361	24591222	PF, 2200pF (32ZD36P)
C366	24082275	PF, 8200pF, 100V
C430	24820103	PF, 0.01μF, 630V
C432	24590103	PF, 0.01μF
C441	24503291	PF, 0.62μF, 400V
C442	24082637	PF, 0.1μF, 400V
C443	24082637	PF, 0.1μF, 400V
⚠C444	24503195	PF, 5100pF, ±20%, 1800V (36ZD26P)
C447	24829273	PF, 0.027μF, 400V
C448	24073118	EL, 33μF, ±20%, 160V
C460	24679220	EL, 22μF, ±20%, 250V
C462	24666101	EL, 100μF, ±20%, 16V
C465	24590183	PF, 0.018μF
⚠C467	24503253	PF, 0.01μF, ±20%, 1250V
C478	24503038	PF, 0.056μF, 63V
C481	24590103	PF, 0.01μF
C489	24590393	PF, 0.039μF
C498	24590821	PF, 820pF
C501	24092730	Chip, 0.1μF, ±10%, 16V
C502	24092730	Chip, 0.1μF, ±10%, 16V
C514	24763221	EL, 220μF, ±20%, 16V
C516	24105110	Chip, 11pF
C565	24797478	EL, 0.47μF, ±20%, 50V
C575	24092730	Chip, 0.1μF, ±10%, 16V
C580	24100104	Chip, 0.1μF, +80%, -20%, 25V
C664	24794100	EL, 10μF, ±20%, 16V
C665	24669010	EL, 1μF, ±20%, 50V
C666	24669010	EL, 1μF, ±20%, 50V
C670	24590272	PF, 2700pF
C672	24590272	PF, 2700pF
C673	24669470	EL, 47μF, ±20%, 50V
C684	24666470	EL, 47μF, ±20%, 16V
C696	24667470	EL, 47μF, ±20%, 25V
C704	24590822	PF, 8200pF
C838	24794470	EL, 47μF, ±20%, 16V
C912	24763222	EL, 2200μF, ±20%, 16V (36ZD26P)
C2102	24105560	Chip, 56pF
C2103	24105560	Chip, 56pF
C2104	24105560	Chip, 56pF
C4000	24590102	PF, 1000pF
C4412	24100104	Chip, 0.1μF, +80%, -20%, 25V
⚠C4490	24503190	PF, 0.12μF, 400V
⚠C4491	24503190	PF, 0.12μF, 400V
C4601	24503040	PF, 0.082μF, 63V
C4690	24503041	PF, 0.1μF, 63V
C4699	24073058	EL, 2200μF, ±20%, 25V
CA14	24212103	CD, 0.01μF, ±10% (36ZD26P)
CA33	24793470	EL, 47μF, ±20%, 10V
CA95	24794100	EL, 10μF, ±20%, 16V (36ZD26P)

Location No.	Part No.	Description
CC24	24109103	Chip, 0.01μF, ±10%
CC25	24109103	Chip, 0.01μF, ±10%
CC64	24109102	Chip, 1000pF, ±10%
CC65	24109102	Chip, 1000pF, ±10%
CC68	24109223	Chip, 0.022μF, ±10%, 25V
CC71	24109223	Chip, 0.022μF, ±10%, 25V
CF01	24793101	EL, 100μF, ±20%, 10V
CF02	24100104	Chip, 0.1μF, +80%, -20%, 25V
CF03	24100104	Chip, 0.1μF, +80%, -20%, 25V
CF04	24100104	Chip, 0.1μF, +80%, -20%, 25V
CF05	24100104	Chip, 0.1μF, +80%, -20%, 25V
CF06	24793101	EL, 100μF, ±20%, 10V
CF08	24794100	EL, 10μF, ±20%, 16V
CF09	24109102	Chip, 1000pF, ±10%
CF10	24794100	EL, 10μF, ±20%, 16V
CF11	24109102	Chip, 1000pF, ±10%
CF12	24100104	Chip, 0.1μF, +80%, -20%, 25V
CF13	24100104	Chip, 0.1μF, +80%, -20%, 25V
CF14	24100104	Chip, 0.1μF, +80%, -20%, 25V
CF15	24100104	Chip, 0.1μF, +80%, -20%, 25V
CF16	24793101	EL, 100μF, ±20%, 10V
CF17	24100104	Chip, 0.1μF, +80%, -20%, 25V
CF18	24794100	EL, 10μF, ±20%, 16V
CF19	24109102	Chip, 1000pF, ±10%
CF20	24105220	Chip, 22pF
CF21	24105220	Chip, 22pF
CF22	24100104	Chip, 0.1μF, +80%, -20%, 25V
CF23	24100104	Chip, 0.1μF, +80%, -20%, 25V
CF24	24100104	Chip, 0.1μF, +80%, -20%, 25V
CF25	24794100	EL, 10μF, ±20%, 16V
CF26	24109102	Chip, 1000pF, ±10%
CF27	24100104	Chip, 0.1μF, +80%, -20%, 25V
CF28	24100104	Chip, 0.1μF, +80%, -20%, 25V
CF29	24100104	Chip, 0.1μF, +80%, -20%, 25V
CF30	24100104	Chip, 0.1μF, +80%, -20%, 25V
CF31	24100104	Chip, 0.1μF, +80%, -20%, 25V
CF32	24794100	EL, 10μF, ±20%, 16V
CF33	24105330	Chip, 33pF
CF34	24092538	Chip, 1μF, +80%, -20%, 10V
CF38	24794100	EL, 10μF, ±20%, 16V
CF39	24109103	Chip, 0.01μF, ±10%
CF40	24100104	Chip, 0.1μF, +80%, -20%, 25V
CF41	24100104	Chip, 0.1μF, +80%, -20%, 25V
CF42	24100104	Chip, 0.1μF, +80%, -20%, 25V
CF43	24100104	Chip, 0.1μF, +80%, -20%, 25V
CF44	24100104	Chip, 0.1μF, +80%, -20%, 25V
CF45	24100104	Chip, 0.1μF, +80%, -20%, 25V
CF46	24100104	Chip, 0.1μF, +80%, -20%, 25V
CF48	24100104	Chip, 0.1μF, +80%, -20%, 25V
CF49	24000445	Chip, Jumper, 1608 type
CF50	24794100	EL, 10μF, ±20%, 16V
CF51	24109102	Chip, 1000pF, ±10%
CF52	24100104	Chip, 0.1μF, +80%, -20%, 25V
CF55	24100104	Chip, 0.1μF, +80%, -20%, 25V
CS24	24797229	EL, 2.2μF, ±20%, 50V
CS25	24797229	EL, 2.2μF, ±20%, 50V
CV02	24092538	Chip, 1μF, +80%, -20%, 10V
CV09	24092538	Chip, 1μF, +80%, -20%, 10V
CV15	24092743	Chip, 0.47μF, +80%, -20%, 10V
CV36	24100104	Chip, 0.1μF, +80%, -20%, 25V
CV41	24100104	Chip, 0.1μF, +80%, -20%, 25V
CV42	24092538	Chip, 1μF, +80%, -20%, 10V
CV45	24100104	Chip, 0.1μF, +80%, -20%, 25V
CV46	24794101	EL, 100μF, ±20%, 16V

Location No.	Part No.	Description
CV48	24503041	PF, 0.1μF, 63V (36ZD26P)
CZ03	24100104	Chip, 0.1μF, +80%, -20%, 25V
CZ04	24100104	Chip, 0.1μF, +80%, -20%, 25V
CZ46	24109103	Chip, 0.01μF, ±10%
CZ47	24794101	EL, 100μF, ±20%, 16V
D399	23316754	Diode, Zener, MTZJ33B
D462	23316725	Diode, Zener, MTZJ15B
D498	23316687	Diode, Zener, MTZJ9.1B
D499	23115599	Diode, 1N4148
DJ01	23115599	Diode, 1N4148 (36ZD26P)
DJ02	23316726	Diode, Zener, MTZJ15C (36ZD26P)
G484	24590152	PF, 1500pF
G675	24000445	Chip Jumper, 1680 Type
G4699	23357366	Diode, FR105-FL
GA02	23103828	Chip (Ferrite Bead), TEM2121M
GA10	23103828	Chip (Ferrite Bead), TEM2121M
GA39	23103828	Chip (Ferrite Bead), TEM2121M
GA40	23103828	Chip (Ferrite Bead), TEM2121M
GA41	23103828	Chip (Ferrite Bead), TEM2121M
GC20	24000445	Chip Jumper, 1680 Type
GJ23	24000445	Chip Jumper, 1680 Type
GJ24	24000445	Chip Jumper, 1680 Type
GJ29	24000445	Chip Jumper, 1680 Type
GJ31	24000445	Chip Jumper, 1680 Type
GJ32	24000445	Chip Jumper, 1680 Type
GJ33	24000445	Chip Jumper, 1680 Type
GJ55	24000445	Chip Jumper, 1680 Type
GJ56	24000445	Chip Jumper, 1680 Type
GJ99	24000445	Chip Jumper, 1680 Type
GJ601	24000445	Chip Jumper, 1680 Type
GJ602	24000445	Chip Jumper, 1680 Type
GJ603	24000445	Chip Jumper, 1680 Type
GV03	24011101	Chip, 100 ohm, 1/20W
GV04	24011101	Chip, 100 ohm, 1/20W
GV06	24011101	Chip, 100 ohm, 1/20W
GV08	24011101	Chip, 100 ohm, 1/20W
GV09	24011101	Chip, 100 ohm, 1/20W
GV42	24011331	Chip, 330 ohm, 1/20W
HX01	23148027	Module, MDFS03, SCAN CONVERTER
L461	23248248	Coil, Choke, TLN3500A
L463	23103894	Coil (Ferrite Bead), TEM2011AW
L464	23103894	Coil (Ferrite Bead), TEM2011AW
L491	23248191	Coil, Choke, TLN3351A
L605	23289838	Coil, Peaking, TRF44R7AT
L901	23200550	Coil, Degaussing, TSB-2405AL (36ZD26P)
LC15	23103825	Chip (Ferrite Bead), TEM2118M
LC16	23103825	Chip (Ferrite Bead), TEM2118M
LC17	23103825	Chip (Ferrite Bead), TEM2118M
LC18	23103825	Chip (Ferrite Bead), TEM2118M
LF01	23103827	Chip (Ferrite Bead), TEM2120M
LF02	23103827	Chip (Ferrite Bead), TEM2120M
LF03	23103887	Chip (Ferrite Bead), TEM2130A
LF04	23103887	Chip (Ferrite Bead), TEM2130A
LF05	23103828	Chip (Ferrite Bead), TEM2121M
LF06	23103828	Chip (Ferrite Bead), TEM2121M
LF07	23103828	Chip (Ferrite Bead), TEM2121M
LF08	23103828	Chip (Ferrite Bead), TEM2121M

Location No.	Part No.	Description
LF10	23289100	Coil, Peaking, TRF4100A
LF11	23103827	Chip (Ferrite Bead), TEM2120M
LF13	23103828	Chip (Ferrite Bead), TEM2121M
LF14	23103828	Chip (Ferrite Bead), TEM2121M
LF15	23103828	Chip (Ferrite Bead), TEM2121M
LF16	23103828	Chip (Ferrite Bead), TEM2121M
LF17	23103828	Chip (Ferrite Bead), TEM2121M
LF18	23103828	Chip (Ferrite Bead), TEM2121M
LF19	23103887	Chip (Ferrite Bead), TEM2130A
LF21	23103827	Chip (Ferrite Bead), TEM2120M
LJ901	23200547	Coil, Correct, TSB-2418AH (36ZD26P)
LV44	23289840	Coil, Peaking, TRF4100AT
LZ01	23289840	Coil, Peaking, TRF4100AT
LZ02	23289840	Coil, Peaking, TRF4100AT
LZ03	23289840	Coil, Peaking, TRF4100AT
LZ04	23103827	Chip (Ferrite Bead), TEM2120M
LZ05	23103827	Chip (Ferrite Bead), TEM2120M
Q404	23205149	Transistor, 2SC5859(FA)
Q460	23205031	Transistor, FET, 2SK2920
Q461	23314794	Transistor, 2PC1815Y
Q499	23314791	Transistor, 2PA1015Y
Q501	23009178	IC, TB1274AF(J,FP)
Q510	23009369	IC, TA1360AFG
Q2107	23314994	Transistor, 2SA1576A106
Q2108	23314994	Transistor, 2SA1576A106
Q2109	23314994	Transistor, 2SA1576A106
QA01	23009446	IC, CXP750010-311S
QA05	23906367	IC, PST9146NL
QA13	23314994	Transistor, 2SA1576A106
QA14	23314791	Transistor, 2PA1015Y (36ZD26P)
QB04	23314994	Transistor, 2SA1576A106
QB07	23314994	Transistor, 2SA1576A106
QF01	23009431	IC, SDA6001 B12
QF02	23906770	IC, BA033FP-E2
QF03	23000904	IC, BA25BC0FP-E2
QF04	23000884	IC, HY57V641620HG
QF05	23009114	IC, BD4746G-TR
QF06	23314292	Transistor, 2SC4116-Y
QF07	70114402	Transistor, 2SC3437-Y
QF08	23314292	Transistor, 2SC4116-Y
QF09	23205014	Transistor, 2SC4667-O
QF10	23314558	Transistor, 2SA1610, Y34
QF11	23314558	Transistor, 2SA1610, Y34
QF12	23314558	Transistor, 2SA1610, Y34
QF14	23009499	IC, LV800TMC-WR1
QF15	23314289	Transistor, 2SA1586-Y
QF16	23314292	Transistor, 2SC4116-Y
QF21	23314292	Transistor, 2SC4116-Y
QF24	23205099	Transistor, FET VDSS=60V, RK7002T116
QF25	23205099	Transistor, FET VDSS=60V, RK7002T116
QF27	23314292	Transistor, 2SC4116-Y
QJ02	23314794	Transistor, 2PC1815Y (36ZD26P)
QJ03	23314912	Transistor, 2SC4793 (36ZD26P)
QJ04	23314794	Transistor, 2PC1815Y (36ZD26P)
QV07	23314993	Transistor, 2SC4081 Q
QV08	23314994	Transistor, 2SA1576A106
QZ01	23009303	IC, TDA9181T/N1,118
QZ03	23314994	Transistor, 2SA1576A106
QZ06	23314994	Transistor, 2SA1576A106
QZ09	23314993	Transistor, 2SC4081 Q
QZ10	23314994	Transistor, 2SA1576A106

Location No.	Part No.	Description
QZ11	23314993	Transistor, 2SC4081 Q
QZ12	23314994	Transistor, 2SA1576A106
R227	24366273	CF, 27k ohm (36ZD26P)
R320	24366274	CF, 270k ohm
R332	24366334	CF, 330k ohm
R334	24366823	CF, 82k ohm
R339	24366274	CF, 270k ohm
R344	24366823	CF, 82k ohm
R399	24366224	CF, 220k ohm
R430	24011303	Chip, 30k ohm, 1/20W (36ZD26P)
R436	24011472	Chip, 4700 ohm, 1/20W (32ZD26P)
R460	24366103	CF, 10k ohm
R461	24366182	CF, 1800 ohm
R462	24366473	CF, 47k ohm
R463	24366473	CF, 47k ohm
R464	24552331	OMF, 330 ohm, 1/2W
R465	24366242	CF, 2400 ohm
R466	24383220	OMF, 22 ohm, 2W
R467	24383220	OMF, 22 ohm, 2W
R468	24366471	CF, 470 ohm
R469	24366823	CF, 82k ohm
R480	24366103	CF, 10k ohm
R484	24366103	CF, 10k ohm
R485	24366103	CF, 10k ohm
R486	24366103	CF, 10k ohm
R489	24366104	CF, 100k ohm
R495	24327224	MF, 220k ohm, ±1%, 1/4W
R498	24366274	CF, 270k ohm
R499	24366564	CF, 560k ohm
R509	24011153	Chip, 15k ohm, 1/20W
R663	24011332	Chip, 3300 ohm, 1/20W
R664	24011332	Chip, 3300 ohm, 1/20W
R670	24011472	Chip, 4700 ohm, 1/20W
R671	24011103	Chip, 10k ohm, 1/20W
R672	24011472	Chip, 4700 ohm, 1/20W
R673	24011103	Chip, 10k ohm, 1/20W
R678	24011103	Chip, 10k ohm, 1/20W
R679	24011103	Chip, 10k ohm, 1/20W
R724	24366121	CF, 120 ohm
R875	24366392	CF, 3900 ohm
R936	24545829	FR, 8.2 ohm, 1/4W
R2158	24011563	Chip, 56k ohm, 1/20W
R2159	24011563	Chip, 56k ohm, 1/20W
R4601	24366101	CF, 100 ohm
R4602	24366562	CF, 5600 ohm
R4690	24366103	CF, 10k ohm
R4799	24366103	CF, 10k ohm
RA07	24011103	Chip, 10k ohm, 1/20W
RA20	24011102	Chip, 1k ohm, 1/20W
RA31	24011102	Chip, 1k ohm, 1/20W
RA33	24011472	Chip, 4700 ohm, 1/20W
RA34	24366103	CF, 10k ohm (36ZD26P)
RA39	24011224	Chip, 220k ohm, 1/20W
RA40	24011391	Chip, 390 ohm, 1/20W
RA76	24011333	Chip, 33k ohm, 1/20W
RA91	24011103	Chip, 10k ohm, 1/20W (36ZD26P)
RA92	24011102	Chip, 1k ohm, 1/20W (36ZD26P)
RA96	24011103	Chip, 10k ohm, 1/20W
RA97	24011102	Chip, 1k ohm, 1/20W (36ZD26P)
RA98	24011103	Chip, 10k ohm, 1/20W (36ZD26P)
RB12	24011101	Chip, 100 ohm, 1/20W
RB13	24011222	Chip, 2200 ohm, 1/20W
RD05	24011102	Chip, 1k ohm, 1/20W
RD12	24011103	Chip, 10k ohm, 1/20W
RD51	24011103	Chip, 10k ohm, 1/20W
RF01	24011103	Chip, 10k ohm, 1/20W
RF02	24011102	Chip, 1k ohm, 1/20W
RF04	24011103	Chip, 10k ohm, 1/20W
RF05	24011473	Chip, 47k ohm, 1/20W
RF06	24011473	Chip, 47k ohm, 1/20W
RF07	24011103	Chip, 10k ohm, 1/20W
RF08	24011223	Chip, 22k ohm, 1/20W
RF09	24011223	Chip, 22k ohm, 1/20W
RF10	24011101	Chip, 100 ohm, 1/20W
RF11	24011102	Chip, 1k ohm, 1/20W
RF12	24011471	Chip, 470 ohm, 1/20W
RF13	24011392	Chip, 3900 ohm, 1/20W
RF14	24011471	Chip, 470 ohm, 1/20W
RF15	24011392	Chip, 3900 ohm, 1/20W
RF16	24011471	Chip, 470 ohm, 1/20W
RF17	24011392	Chip, 3900 ohm, 1/20W
RF18	24011101	Chip, 100 ohm, 1/20W
RF19	24011223	Chip, 22k ohm, 1/20W
RF20	24011473	Chip, 47k ohm, 1/20W
RF21	24011102	Chip, 1k ohm, 1/20W
RF22	24011102	Chip, 1k ohm, 1/20W
RF23	24011101	Chip, 100 ohm, 1/20W
RF24	24011102	Chip, 1k ohm, 1/20W
RF25	24000445	Chip Jumper, 1680 Type
RF26	24011331	Chip, 330 ohm, 1/20W
RF27	24105121	Chip, 120pF
RF28	24019398	Chip, 33 ohm, 1/16W
RF29	24019398	Chip, 33 ohm, 1/16W
RF30	24019398	Chip, 33 ohm, 1/16W
RF31	24011101	Chip, 100 ohm, 1/20W
RF32	24019398	Chip, 33 ohm, 1/16W
RF33	24019398	Chip, 33 ohm, 1/16W
RF34	24019398	Chip, 33 ohm, 1/16W
RF35	24019398	Chip, 33 ohm, 1/16W
RF36	24011101	Chip, 100 ohm, 1/20W
RF37	24011330	Chip, 33 ohm, 1/20W
RF38	24011330	Chip, 33 ohm, 1/20W
RF39	24011330	Chip, 33 ohm, 1/20W
RF40	24011472	Chip, 4700 ohm, 1/20W
RF42	24011682	Chip, 6800 ohm, 1/20W
RF43	24011682	Chip, 6800 ohm, 1/20W
RF44	24011682	Chip, 6800 ohm, 1/20W
RF45	24000445	Chip Jumper, 1680 Type
RF46	24000445	Chip Jumper, 1680 Type
RF48	24000445	Chip Jumper, 1680 Type
RF51	24011103	Chip, 10k ohm, 1/20W
RF63	24011472	Chip, 4700 ohm, 1/20W
RF64	24011472	Chip, 4700 ohm, 1/20W
RF65	24011472	Chip, 4700 ohm, 1/20W
RF66	24011472	Chip, 4700 ohm, 1/20W
RF67	24011472	Chip, 4700 ohm, 1/20W
RF70	24011103	Chip, 10k ohm, 1/20W
RF71	24011103	Chip, 10k ohm, 1/20W
RF72	24011103	Chip, 10k ohm, 1/20W
RF78	24011332	Chip, 3300 ohm, 1/20W
RF79	24019398	Chip, 33 ohm, 1/16W
RF80	24019398	Chip, 33 ohm, 1/16W
RF81	24011103	Chip, 10k ohm, 1/20W
RF82	24011103	Chip, 10k ohm, 1/20W
RF84	24000445	Chip Jumper, 1680 Type
RF87	24000445	Chip Jumper, 1680 Type
RF89	24000445	Chip Jumper, 1680 Type
RF93	24000445	Chip Jumper, 1680 Type

Location No.	Part No.	Description
RF94	24011103	Chip, 10k ohm, 1/20W
RF95	24011103	Chip, 10k ohm, 1/20W
RF97	24011330	Chip, 33 ohm, 1/20W
RF98	24011330	Chip, 33 ohm, 1/20W
RF99	24011330	Chip, 33 ohm, 1/20W
RF100	24011330	Chip, 33 ohm, 1/20W
RF101	24011330	Chip, 33 ohm, 1/20W
RF102	24011330	Chip, 33 ohm, 1/20W
RF103	24011330	Chip, 33 ohm, 1/20W
RF104	24011330	Chip, 33 ohm, 1/20W
RF105	24011330	Chip, 33 ohm, 1/20W
RF106	24011330	Chip, 33 ohm, 1/20W
RF107	24011330	Chip, 33 ohm, 1/20W
RF108	24011330	Chip, 33 ohm, 1/20W
RF109	24011330	Chip, 33 ohm, 1/20W
RF110	24011330	Chip, 33 ohm, 1/20W
RF111	24011330	Chip, 33 ohm, 1/20W
RF112	24011330	Chip, 33 ohm, 1/20W
RJ01	24366103	CF, 10k ohm (36ZD26P)
RJ02	24366102	CF, 1k ohm (36ZD26P)
RJ04	24366102	CF, 1k ohm (36ZD26P)
RJ05	24323479	MF, 4.7 ohm, 2W (36ZD26P)
RJ06	24366103	CF, 10k ohm (36ZD26P)
RS58	24011562	Chip, 5600 ohm, 1/20W
RS59	24011562	Chip, 5600 ohm, 1/20W
RV45	24011102	Chip, 1k ohm, 1/20W
RV46	24011102	Chip, 1k ohm, 1/20W
RV47	24011222	Chip, 2200 ohm, 1/20W
RV48	24011102	Chip, 1k ohm, 1/20W
RV87	24366750	CF, 75 ohm (36ZD26P)
RV90	24000445	Chip Jumper, 1680 Type
RV92	24366683	CF, 68k ohm
RV99	24366750	CF, 75 ohm
RZ01	24011101	Chip, 100 ohm, 1/20W
RZ03	24011102	Chip, 1k ohm, 1/20W
RZ04	24011152	Chip, 1500 ohm, 1/20W
RZ05	24011101	Chip, 100 ohm, 1/20W
RZ06	24011152	Chip, 1500 ohm, 1/20W
RZ07	24011101	Chip, 100 ohm, 1/20W
RZ08	24011272	Chip, 2700 ohm, 1/20W
RZ09	24011392	Chip, 3900 ohm, 1/20W
RZ11	24011101	Chip, 100 ohm, 1/20W
RZ14	24011152	Chip, 1500 ohm, 1/20W
RZ17	24011223	Chip, 22k ohm, 1/20W
RZ18	24011473	Chip, 47k ohm, 1/20W
RZ19	24011473	Chip, 47k ohm, 1/20W
RZ20	24011152	Chip, 1500 ohm, 1/20W
RZ21	24011561	Chip, 560 ohm, 1/20W
RZ22	24011332	Chip, 3300 ohm, 1/20W
RZ23	24011101	Chip, 100 ohm, 1/20W
RZ24	24011472	Chip, 4700 ohm, 1/20W
RZ25	24000445	Chip Jumper, 1680 Type
RZ26	24000445	Chip Jumper, 1680 Type
RZ29	24011102	Chip, 1k ohm, 1/20W
SJ01	23146958	Relay, DC12V (36ZD26P)
⚠T400	23224386	Transformer, Focus, TLN2220AH
⚠T461	23236745	Transformer, Flyback, TFB4187AD (36ZD26P)
✻U104	23788420	TEXT-M2 Board, PD0216B
✻U901	23788615	CRT-D Board, PD0491J (36ZD26P)
✻U901	23788688	CRT-D Board, PD0491K (32ZD26P)
✻U902	23788616	SIGNAL Board, PD1007C (36ZD26P)

Location No.	Part No.	Description
✻U902	23788689	SIGNAL Board, PD1007D (32ZD26P)
✻U903A	23788617	POWER Board, PD0493G-1 (36ZD26P)
✻U903A	23788690	POWER Board, PD0493H-1 (32ZD26P)
✻U903B	23788618	INDICATOR Board, PD0493G-2 (36ZD26P)
✻U903B	23788691	INDICATOR Board, PD0493H-2 (32ZD26P)
✻U903C	23788619	CONT-2 Board, PD0493G-3 (36ZD26P)
✻U903C	23788692	CONT-2 Board, PD0493H-3 (32ZD26P)
✻U904	23788250	DEF Board, PD1009A (36ZD26P)
✻U904	23788500	DEF Board, PD1009B (32ZD26P)
⚠V901	23324029	Picture Tube, W86LTQ350X97(V2) (36ZD26P)
⚠V901A	23903174	Socke, CRT
XF01	23153552	Crystal, 6MHZ
Y101A	23565934	Owner's Manual, English, 36ZD36P/32ZD36P
Y101B	23565954	Owner's Manual, Euro 5 Language Manual(Euro), 36ZD36P/32ZD36P

TABLE OF CONTENTS

CHAPTER 1 **GENERAL ADJUSTMENTS**

SAFETY INSTRUCTIONS 3
SET-UP ADJUSTMENT 4
SERVICE MODE 6
DESIGN MODE 9
ELECTRICAL ADJUSTMENTS 10
CIRCUIT CHECK 12

CHAPTER 2 **SPECIFIC INFORMATIONS**

SETTING & ADJUSTING DATA 13
LOCATION OF CONTROLS 14
CHASSIS AND CABINET REPLACEMENT PARTS LIST 16
PC BOARDS BOTTOM VIEW 29
TERMINAL VIEW OF TRANSISTORS 37
CIRCUIT BLOCK DIAGRAM 40
SPECIFICATIONS ..... END
APPENDIX:
CIRCUIT DIAGRAM

CHAPTER 1 GENERAL ADJUSTMENTS

SAFETY INSTRUCTIONS

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" INSTRUCTIONS BELOW.

X-RAY RADIATION PRECAUTION

1. Excessive high voltage can produce potentially hazardous X-RAY RADIATION. To avoid such hazards, the high voltage must not be above the specified limit. The nominal value of the high voltage of this receiver is (A) kV at zero beam current (minimum brightness) under a (C) V AC power source. The high voltage must not, under any circumstances, exceed (B) kV.

   Refer to table-1 for high voltage (A), (B) & AC voltage (C). (See SETTING & ADJUSTING DATA on page 13)

   Each time a receiver requires servicing, the high voltage should be checked following the HIGH VOLTAGE CHECK procedure in this manual. It is recommended that the reading of the high voltage be recorded as a part of the service record. It is important to use an accurate and reliable high voltage meter.
2. The only source of X-RAY RADIATION in this TV receiver is the picture tube. For continued X-RAY RADIATION protection, the replacement tube must be exactly the same type tube as specified in the parts list.
3. Some part in this receiver have special safety-related characteristics for X-RAY RADIATION protection. For continued safety, parts replacement should be undertaken only after referring to the PRODUCT SAFETY NOTICE below.

SAFETY PRECAUTION

WARNING : Service should not be attempted by anyone unfamiliar with the necessary precautions on this receiver. The following are the necessary precautions to be observed before servicing this chassis.

1. An isolation transformer should be connected in the power line between the receiver and the AC line before any service is performed on the receiver.
2. Always discharge the picture tube anode to the CRT conductive coating before handling the picture tube. The picture tube is highly evacuated and if broken, glass fragments will be violently expelled. Use shatter proof goggles and keep picture tube away from the unprotected body while handling.
3. When replacing a chassis in the cabinet, always be certain that all the protective devices are put back in place, such as; nonmetallic control knobs, insulating covers, shields, isolation resistor-capacitor network etc.

PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These characteristics are often passed unnoticed by a visual inspection and the protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this manual and its supplements; electrical components having such features are identified by the international hazard symbols on the schematic diagram and the parts list.
Before replacing any of these components, read the parts list in this manual carefully. The use of substitute replacement parts which do not have the same safety characteristics as specified in the parts list may create shock, fire, X-ray radiation or other hazards.

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON PAGE 3 OF THIS MANUAL.

SET-UP ADJUSTMENT

■ The following adjustments should be made when a complete realignment is required or a new picture tube is installed. Perform the adjustments in order as follows :

1. Color Purity
2. Convergence
3. White Balance

Note: The PURITY/CONVERGENCE MAGNET assembly and rubber wedges need mechanical positioning. Refer to figure 1.
Mounting position of the purity magnet assembly should fit to same position as old one because slightly difference to the position depend on a kind of tube.

***** There are no adjustment of purity and convergence in some picture tube (Unified with purity magnet)

COLOR PURITY ADJUSTMENT

NOTE : Before attempting any purity adjustments, the receiver should be operated for at least fifteen minutes.

1. Demagnetize the picture tube and cabinet using a degaussing coil.
2. Set the brightness and contrast to maximum.
3. Use a green raster from among the built-in test signals.
4. Loosen the clamp screw holding the yoke and slide the yoke backward or forward to provide vertical green belt (zone) in the picture screen.
5. Remove the Rubber Wedges.
6. Rotate and spread the tabs of the purity magnet (See figure 2.) around the neck of the picture tube until the green belt is in the center of the screen. At the same time, enter the raster vertically.
7. Slowly move the yoke forward or backward until a uniform green screen is obtained. Tighten the clamp screw of the yoke temporarily.
8. Check the purity of the red and blue raster.

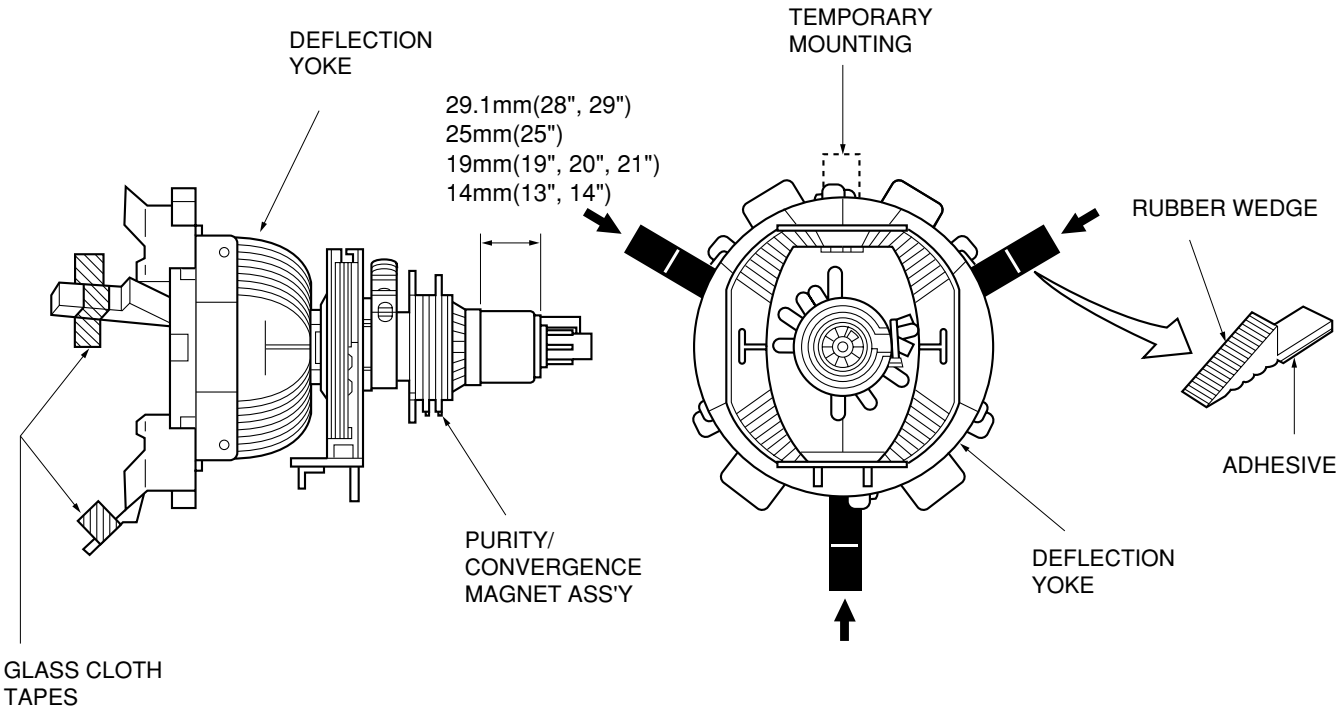


Figure 1.

CONVERGENCE ADJUSTMENTS

NOTE: Before attempting any convergence adjustments, the receiver should be operated for at least fifteen minutes.

■ CENTER CONVERGENCE ADJUSTMENT

1. Use the cross-dot pattern from among the built-in test signals.
2. Set the brightness and contrast for well defined pattern.
3. Adjust two tabs of the 4-Pole Magnets to change the angle between them (See figure 2.) and superimpose red and blue vertical lines in the center area of the picture screen.
4. Turn the both tabs at the same time keeping the angle constant to superimpose red and blue horizontal lines at the center of the screen.
5. Adjust two tabs of 6-Pole Magnets to superimpose red/blue line and green one. Adjusting the angle affects the vertical lines and rotating both magnets affects the horizontal lines.
6. Repeat adjustments 3, 4, 5 keeping in mind red, green and blue movement, because 4-Pole Magnets and 6-Pole Magnets have mutual interaction and make dot movement complex.

■ CIRCUMFERENCE CONVERGENCE ADJUSTMENT

1. Loosen the clamping screw of deflection yoke slightly to allow the yoke to tilt.
2. Temporarily put a wedge as shown in figure 1. (Do not remove cover paper on adhesive part of the wedge.)
3. Tilt front of the deflection yoke up or down to obtain better convergence in circumference. (See figure 3.) Push the mounted wedge into the space between picture tube and the yoke to fix the yoke temporarily.
4. Put other wedge into bottom space and remove the cover paper to stick.
5. Tilt front of the yoke right or left to obtain better convergence in circumference. (See figure 3.)
6. Keep the yoke position and put another wedge in either upper space. Remove cover paper and stick the wedge on picture tube to fix the yoke.
7. Detach the temporarily mounted wedge and put it in another upper space. Stick it on picture tube to fix the yoke.
8. After fixing three wedges, recheck overall convergence. Tighten the screw firmly to fix the yoke and check the yoke is firm.
9. Stick three adhesive tapes on wedges as shown in figure 1.

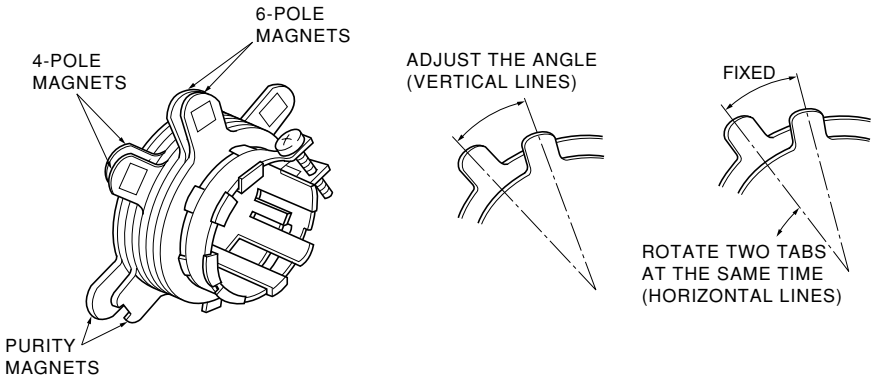
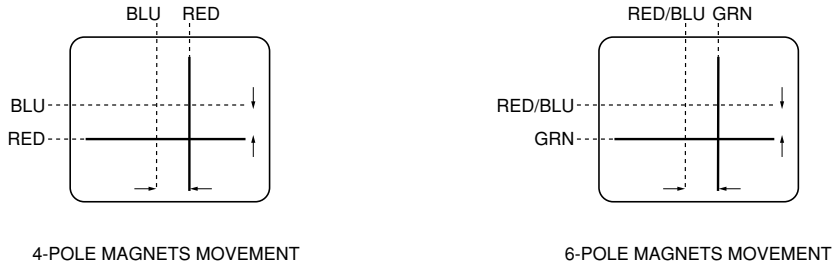


Figure 2.



Center Convergence by Convergence Magnets



Circumference Convergence by DEF Yoke

Figure 3. Dot Movement Pattern

SERVICE MODE

1. ENTERING TO SERVICE MODE

1) Press 🔇 button once on Remote Control.

2) Press 🔇 button again to keep pressing.

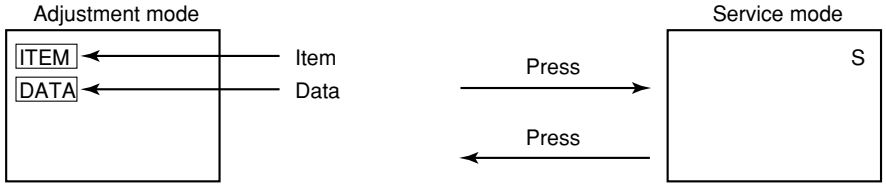
3) While pressing the 🔇 button, press MENU button on TV set.



(Service mode display)

2. DISPLAYING THE ADJUSTMENT MENU

1) Press MENU button on TV.



3. KEY FUNCTION IN THE SERVICE MODE

The following key entry during display of adjustment menu provides special functions.

A single horizontal line ON/OFF:	INFO button (on Remote) or ⏻ button (on TV)
Test signal selection :	⏻ button (on Remote)
Selection of the adjustment items :	Channel ▲/▼ (on TV or Remote)
Change of the data value :	Volume ◿ +/– (on TV or Remote)
Adjustment menu mode ON/OFF :	MENU button (on TV)
Initialization of the memory (QA02) :	CALL + Channel button on TV (▲)
Reset the count of operating protect circuit to “00”:	CALL + Channel button on TV (▼)
“RCUT” selection :	1 button
“GCUT” selection :	2 button
“BCUT” selection :	3 button
“CNTX” (or “SCNT”) selection :	4 button
“COLC” selection :	5 button– – – – – Color thickness correction
“TNTC” selection :	6 button note: Displayed differently as shown below, depending on the setting of the receiving color system.
Self diagnostic display ON/OFF :	9 button COLP (PAL) COLC (NTSC) COLS (SECAM)

CAUTION : Never try to perform initialization unless you have changed the memory IC.

4. SELECTING THE ADJUSTING ITEMS

1) Every pressing of CHANNEL ▲ button in the service mode changes the adjustment items in the order of table-2. (▼ button for reverse order)

Refer to table-2 for preset data of adjustment mode.
(See SETTING & ADJUSTING DATA on page 13)

5. ADJUSTING THE DATA

1) Pressing of VOLUME ◿ +/– button will change the value of data in the range from 00H to FFH. The variable range depends on the adjusting item.

6. EXIT FROM SERVICE MODE

1) Pressing POWER button to turn off the TV once.

■ INITIALIZATION OF MEMORY DATA OF QA02

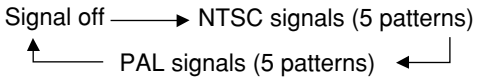
After replacing QA02, the following initialization is required.

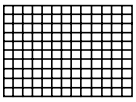
1. Enter the service mode, then select any register item.
2. Press and hold the CALL button on the Remote, then press the CHANNEL ▲ button on the TV. The initialization of QA02 has been complated.
3. Check the picture carefully. If necessary, adjust any adjustment item above. Perform “Auto search Memory” on the owner’s manual.

CAUTION: Never attempt to initialize the data unless QA02 has been replaced.

7. TEST SIGNAL SELECTION

1) Every pressing of –⊕ button on the Remote Control changes the built-in test patterns on screen as described below in SERVICE MODE.

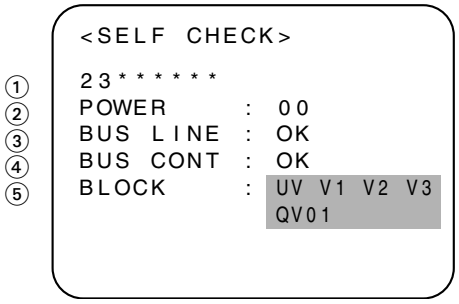


Signals	Picture
• Red raster • Green raster • Blue raster • All White	
• Black cross-hatch	

***** The signals marked with ▒ are not usable to display in the Test signal for some model.

8. SELF DIAGNOSTIC FUNCTION

1) Press “9” button on Remote Control during display of adjustment menu in the service mode.
   The diagnosis will begin to check if interface among IC’s are executed properly.
2) During diagnosis, the following displays are shown.



① Part number of microcomputer (QA01)
② Operation number of protecting circuit ----“00” is normal.
When indication is other than “00”, overcurrent apts to flow, and circuit parts may possibly be damaged.
③ BUS LINE CHECK ----“OK” is normal.
“SDA1-GND” ---------- SDA-GND short circuit.
“SCL1-GND” ---------- SCL-GND short circuit.
“SCL1-SDA1” ---------- SCL-SDA short circuit.
④ BUS CONT ----“OK” is normal.
When indication shows “Q ○○○ NG”, the device with the number may possibly be damaged.
⑤ BLOCK
UV : TV reception mode
V1 : VIDEO 1 input mode (→①)
V2 : VIDEO 2 input mode (→②)
V3 : VIDEO 3 input mode (→③)

Indicated color of mode now selected : Green and Red
Indicated color of other modes : White

Green : Normal
Red : The microcomputer operates to provide judgement of no video signal. The red color is still indicated though the signal is input, failure may exist in input signal line including QV01.
QV01 : In case of indication green ---Normal
In case of indication red with input signal----
Failure may exist in output line including QV01.

NOTE: Component which controls character display on screen is ICF01 (TELETEXT IC.). If this display function fails to operate due to damage in ICF01, self diagnosis procedure is as follows.
(1) In case that power indicator is blinking with interval of 0.5 seconds; it means protecting circuit (Current limiter) is operating, and circuit components may possibly be damaged. Check related components.
(2) In case that power indicator is blinking with interval of 1 second; Protecting circuit does not operate, but a part of Bus line does not operate normally. Check Bus line.

***** The items marked with ▩ are not usable to display in the SELF DIAGNOSTIC FUCTION for some model.

DESIGN MODE

1. ENTERING TO DESIGN MODE

1) Select the Service mode. 2) While pressing 🔇 or CALL button on Remote and press MENU button on TV. 3) Press MENU button on TV.



(Design mode) (Adjustment mode)

When QA02 is initialized, items “OPT0” and “OPT1” of DESIGN MODE are set to the data of the representative model of this chassis family.
Therefore, because ON-SCREEN specification remains in the state of the representative of model. This model is required to reset the data of items “OPT0” and “OPT1”.

2. SELECTING THE ADJUSTING ITEMS

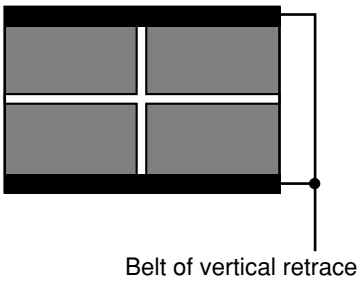
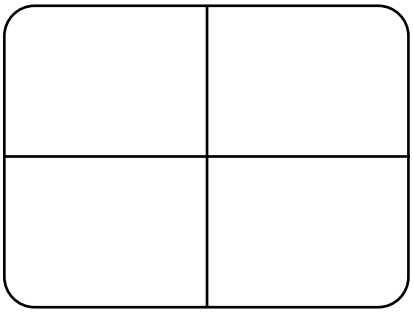
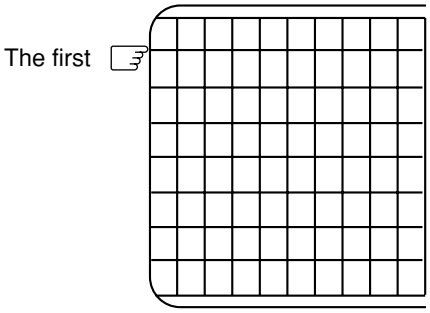
Every pressing of CHANNEL ▼ button in the design mode changes the adjustment items in the order of table-3.
(▲ button for reverse order)

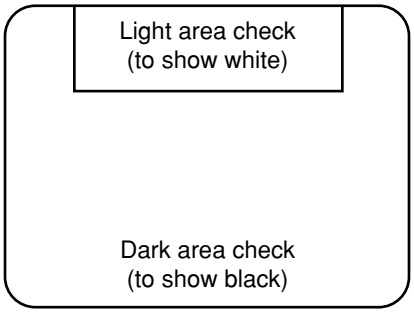
Refer to table-3 for data of design mode.
(See SETTING & ADJUSTING DATA on page 13)

3. ADJUSTING THE DATA

Pressing of VOLUME ▲ or ▼ button will change the value of data.

ELECTRICAL ADJUSTMENTS

ITEM	ADJUSTMENT PROCEDURE
FOCUS VR ADJ	1. Enter the service mode, then select any register item. 2. Press the TV/VIDEO button on the Remote until the black cross-bar pattern appears on the screen. 3. Adjust the FOCUS control (on T461) for well defined scanning lines on the picture screen.
SUB-BRIGHTNESS (BRTC) Note: Constrict the picture height until the vertical retrace line appears adjusting the item HIT (HEIGHT).	1. Set CONTRAST to minimum, and BRIGHTNESS to center by adjusting user controls. 2. Set the TV in service mode to get white cross-bar of inside pattern. 3. Select BRTC (brightness correction), and adjust the ◿ – /+ button to reduce the value so that white portion of inside pattern slightly light. 4. Adjust ◿ – /+ button to increase the data value of BRTC, and set it just before the difference between the belt of vertical retrace and the border of black portion of inside pattern is visible. After that, return vertical height and contrast.  Belt of vertical retrace
HORIZONTAL POSITION ADJUSTMENT (HPOS) VERTICAL POSITION ADJUSTMENT (VPOS)	1. Set the TV in service mode, and get black or white cross-bar signal with VIDEO button on remote hand unit. 2. Select either HPOS (Horizontal picture phase) or VPOS (Vertical picture phase) with CHANNEL ▲, ▼ buttons, and adjust horizontal or vertical picture position in the center of screen with VOLUME ◿ – /+ buttons. 
VERTICAL AMPLITUDE ADJUSTMENT (HIT)	1. Set the TV in service mode, and get black or white cross-hatch signal with VIDEO button on remote hand unit. 2. Select HIT (Vertical amplitude) with CHANNEL ▲, ▼ buttons, and adjust vertical amplitude with VOLUME ◿ – /+ buttons so that vertical amplitude lacks a little. 3. Adjust vertical amplitude with VOLUME ◿ – /+ buttons so that the first bar on cross-hatch signal touches edge of screen.  The first ☞

ITEM	ADJUSTMENT PROCEDURE
WHITE BALANCE ADJUSTMENT ● CUTOFF ADJUSTMENT (RCUT) (GCUT) (BCUT) ● DRIVE ADJUSTMENT (GDRV) (BDRV)	1. Set Contrast to 40, and brightness to +20 by picture control. 2. Set the TV in service mode, and get the inside W/B adjusting signal with VIDEO button. 3. Select RCUT, GCUT and BCUT with CHANNEL ▲, ▼ buttons, to set individual values to Initial reference data, and to set GDRV and BDRV to Initial reference data with VOLUME ◿ – /+ buttons. 4. Press -/- - button on the remote control and rotate Screen VR to get one slight horizontal line on screen. Note: Every pressing of -/- - button provides Horizontal line picture and Normal picture alternately. 5. Press -/- - button to release horizontal line picture, and select the two other colors which did not light in the above step with CHANNEL ▲, ▼ buttons. Then tap VOLUME ◿ – /+ buttons so that three colors slightly light in the same level. ※ To correct white balance in light area, select GDRV and BDRV with CHANNEL ▲, ▼ buttons to adjust. ※ To correct white balance in dark area, perform fine adjustment of RCUT, GCUT and BCUT. 

CIRCUIT CHECK

HIGH VOLTAGE CHECK

CAUTION: There is no HIGH VOLTAGE ADJUSTMENT on this chassis. Checking should be done following the steps below.

1. Connect an accurate high voltage meter to the second anode of the picture tube.
2. Turn on the receiver. Set the BRIGHTNESS and CONTRAST controls to minimum (zero beam current).
3. High voltage must be measured below (B) kV.

Refer to table-1 for high voltage (B).
(See SETTING & ADJUSTING DATA on page 13)

4. Vary the BRIGHTNESS control to both extremes to be sure the high voltage does not exceed the limit under any conditions.

CHAPTER 2 SPECIFIC INFORMATIONS

SETTING & ADJUSTING DATA

【 SAFETY INSTRUCTIONS 】

		32”
HIGH VOLTAGE AT ZERO BEAM:	(A)	33.4 kV
MAX HIGH VOLTAGE:	(B)	34.0 kV
AV VOLTAGE	(C)	220~240 V

Table-1

【 SERVICE MODE 】

ADJUSTING ITEMS AND DATAS IN THE SERVICE MODE:

Item	Adjustment	Reference data
RCUT	R CUTOFF (B/W)	40H
GCUT	G CUTOFF (B/W)	40H
BCUT	B CUTOFF (B/W)	40H
GDRV	R DRIVE	35H
BDRV	B DRIVE	35H
CNTX	SUB CONTRAST MAX	7FH
BRTC	SUB BRIGHT CEN	80H
COLC	SUB COLOR CEN NTSC	02H
TNTC	SUB TINT CEN	1EH
COLP	SUB COLOR CEN PAL	05H
COLS	SUB COLOR CEN SECAM	08H
COLD	SUB COLOR CEN DTV	41H
SCNT	SUB CONTRAST	08H
SRY	SECAM R-Y	07H
SBY	SECAM B-Y	04H

Item	Adjustment	Reference data
HPOS	50Hz H-POSITION	34H
VPOS	V-POSITION	00H
HIT	HEIGHT	2BH
VLIN	V-LINEARITY	10H
VSC	V-S CORRECTION	2AH
VPS2	V-SHIFT	40H
WID	PICTURE WIDTH	25H
PARA	E-W PARABOLA	0FH
CNR	E-W CORNER	0EH
TRAP	TRAPEZIUM	40H
CPAR	WIDE CENT PARA	06H
HSC	WIDE EW S CORR	10H
VPSI	WIDE V-POS	7AH
CSAW	WIDE CENT SAW	08H

Table-2

【 DESIGN MODE 】

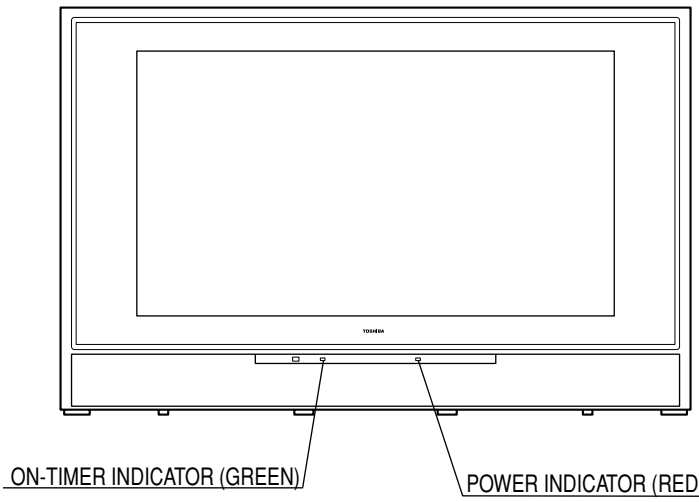
ADJUSTING ITEMS AND DATAS IN THE DESIGN MODE:

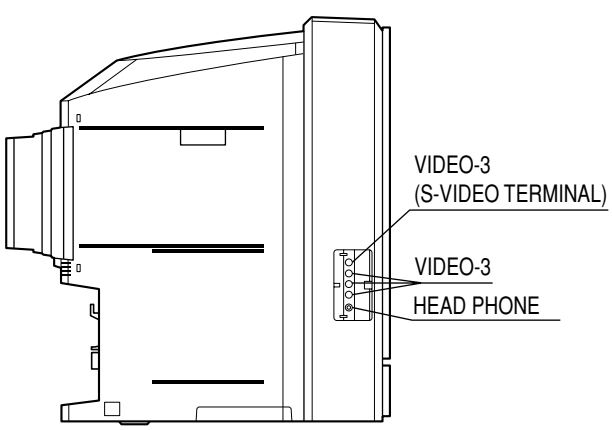
Item	Name of adjustment	Preset Data	Data	Remarks
OPT0	OPTION 0	80H	←	
OPT1	OPTION 1	46H	←	
OPT2	OPTION 2	20H	←	
OPT3	OPTION 3	00H	←	

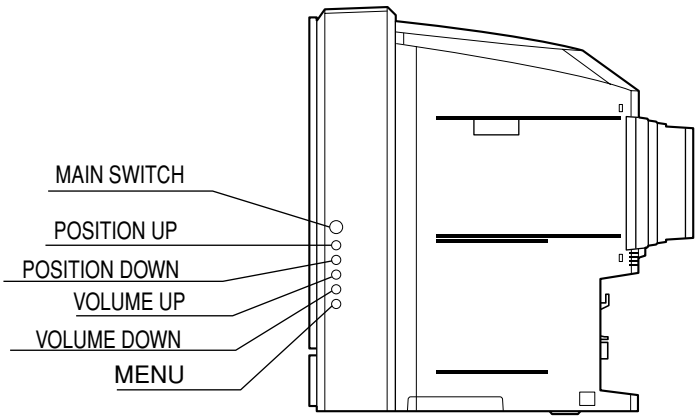
Table-3

LOCATION OF CONTROLS

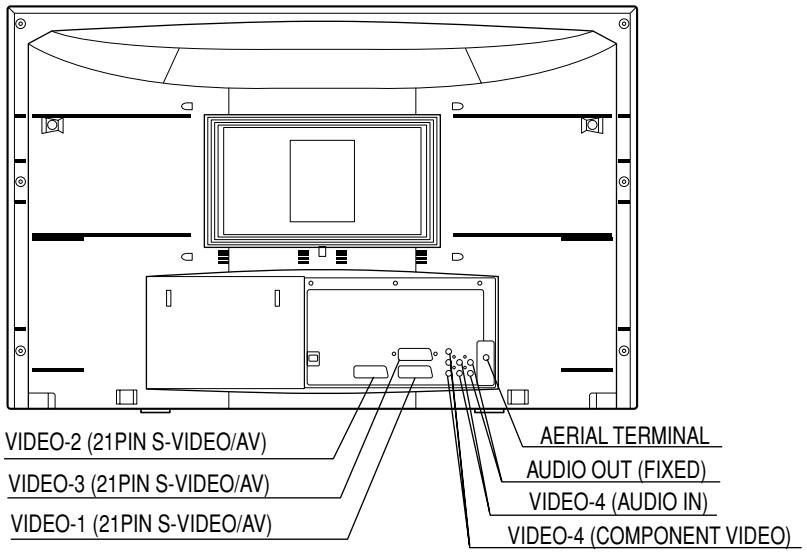
Front



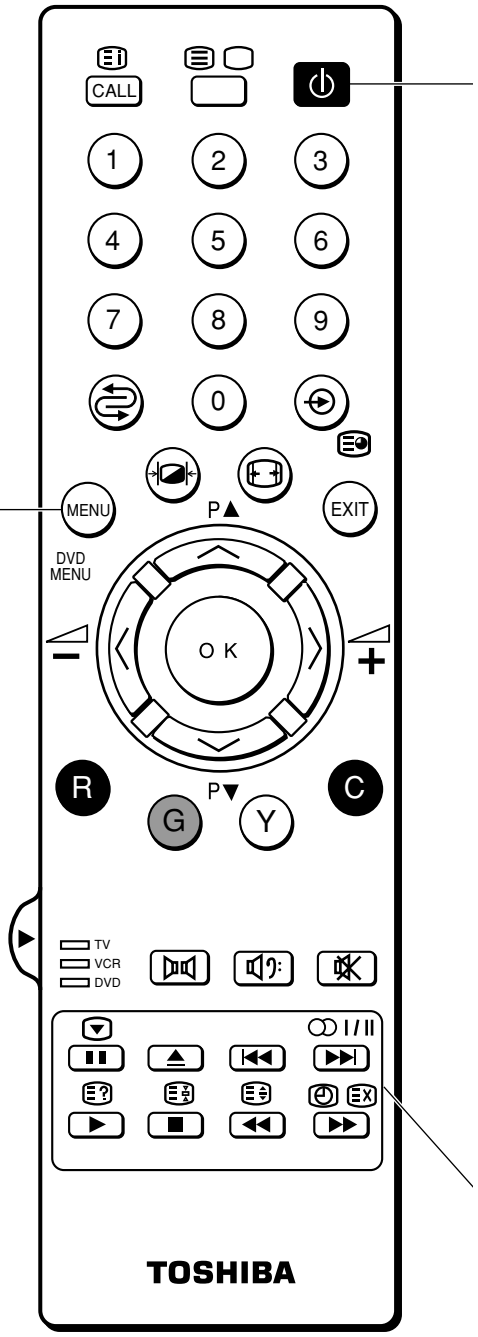




Rear terminals



Remote Controller



Power Key: TV, VCR, DVD

MENU & Cursor: TV, DVD

1. TEXT Sub Function
   <HOLD, REVEAL, F-T-B, TIME/TXCL, SUB PAGE>
   ---------- Only TV mode operation

2. VCR & DVD Common
   <Power, Play, Stop, Pause, Eject,
   FF, REV, Skip - FWD, Skip - REV>

3. Key Name (by special characters)
   ---------- Power ON - Stanby
   ---------- TEXT INDEX
   ---------- TEXT / TV
   ---------- VIDEO INPUT
   ---------- SELECTABLE PICTURE
   ---------- MUTE
   ---------- VOLUME +, –
   ▲P▼ ---------- POSITION(CH.) Up/Down
   ---------- Size
   ---------- STILL PICTURE
   ---------- Sub Woofer
   ---------- SURROUND
   I/II ---------- Stereo Bilingual
   ---------- Previous Ch.
   i ---------- INFO.

Switched
TV Mode
VCR Mode
DVD Mode

CHASSIS AND CABINET REPLACEMENT PARTS LIST

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON PAGE 3 OF THIS MANUAL.

CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE. Do not degrade the safety of the receiver through improper servicing.

NOTICE:
- *The part number must be used when ordering parts, in order to assist in processing, be sure to include the Model number and Description.*
- *The PC board assembly with * mark is no longer available after the end of the production.*

Models : 32ZD26P

Capacitors	CD	:	Ceramic Disk	PF	:	Plastic Film	EL	: Electrolytic
Resistors	CF	:	Carbon Film	CC	:	Carbon Composition	MF	: Metal Film
	OMF	:	Oxide Metal Film	VR	:	Variable Resistor	FR	: Fusible Resistor

(All CD and PF capacitors are ±5%, 50V and all resistors, ±5%, 1/6W unless otherwise noted.)

Location No.	Parts No.	Description
CAPACITORS		
C102	24793221	ELECTROLYTIC, 10V 220UF M
C105	24109102	CERAMIC CHIP, 50V B 1000PF K
C106	24797100	ELECTROLYTIC, 50V 10UF M
C108	24793221	ELECTROLYTIC, 10V 220UF M
C109	24109103	CERAMIC CHIP, 50V B 10000PF K
C115	24109103	CERAMIC CHIP, 50V B 10000PF K
C160	24503045	PLASTIC FILM, 63V 0.22UF J
C205	24797229	ELECTROLYTIC, 50V 2.2UF M
C206	24794100	ELECTROLYTIC, 16V 10UF M
C302	24214471	CERAMIC DISC, 500V B 470PF K
C303	24214471	CERAMIC DISC, 500V B 470PF K
C305	24795222	ELECTROLYTIC, 25V 2200UF M
C308	24797221	ELECTROLYTIC, 50V 220UF M
C309	24591102	PLASTIC FILM, 50V 1000PF J
C310	24795222	ELECTROLYTIC, 25V 2200UF M
C313	24082057	PLASTIC FILM, 100V 220000PF J
C316	24795471	ELECTROLYTIC, 25V 470UF M
C317	24214102	CERAMIC DISC, 500V B 1000PF K
C318	24794471	ELECTROLYTIC, 16V 470UF M
C320	24795471	ELECTROLYTIC, 25V 470UF M
C321	24503051	MT PLA CAP 63V 0.68UF J
C322	24617915	ELECTROLYTIC, 50V 1UF K 3A LI
C323	24503049	PLASTIC FILM, 63V 0.47UF J
C325	24590223	PLASTIC FILM, 50V 0.022MF J
C326	24797010	ELECTROLYTIC, 50V 1UF M
C327	24794471	ELECTROLYTIC, 16V 470UF M
C329	24503045	PLASTIC FILM, 63V 0.22UF J
C331	24503038	MT PLA CAP 63V 0.056UF J
C332	24212102	CERAMIC DISC, 50V B 1000PF K
C361	24590223	PLASTIC FILM, 50V 0.022MF J
C366	24082052	PLA CAP M-L 100V 823J
C370	24794100	ELECTROLYTIC, 16V 10UF M
C372	24797470	ELECTROLYTIC, 50V 47UF M
C373	24797470	ELECTROLYTIC, 50V 47UF M
C410	24092341	CERAMIC DISC, 2KV R 470PF K
C413	24214392	CERAMIC DISK CK45 B 500V 3900PF K
C416	24676330	ELECTROLYTIC, 100V 33UF M 3A
C417	24214391	CERAMIC DISC, 500V B 390PF K
C419	24212102	CERAMIC DISC, 50V B 1000PF K
C420	24794101	ELECTROLYTIC, 16V 100UF M
C421	24232103	CERAMIC DISC, 50V F 10000PF Z

Location No.	Parts No.	Description
C421	24503041	PLASTIC FILM , 63V 0.1UF J
⚠ C423	24503124	PLASTIC CAP T 400V 683J
C430	24829203	PLASTIC FILM, 400V 20000PF J
C431	24232103	CERAMIC DISC, 50V F 10000PF Z
C441	24082636	MT PLA CAP T 400V 624J
⚠ C444	24503195	MT PLA CAP T 1800VH 512H
C445	24828473	PLASTIC FILM, 200V 47000PF J
C446	24679330	ELECTROLYTIC, 250V 33UF M 3A
C447	24829363	PLASTIC FILM, 400V 36000PF J
C448	24640908	ELECTROLYTIC, 160V 33UF M 3A LI
⚠ C461	24503196	MT PLA CAP T 1800VH 562H
C462	24073044	ELECTROLYTIC, 16V 3300UF M 3A
⚠ C464	24503149	PLASTIC FILM, 250V 3.3UF
C466	24503231	MT PLA CAP T 1250VH 122H
⚠ C466	24503261	MT PLA CAP T 1250VH 682H
⚠ C467	24503253	MT PLA CAP T 1250VH 103H
⚠ C468	24503253	MT PLA CAP T 1250VH 103H
C470	24794470	ELECTORLYTIC, 16V 47UF M
C471	24503046	MT PLA CAP M 63V 274J
C472	24503049	PLASTIC FILM, 63V 0.47UF J
C473	24669010	ELECTROLYTIC, 50V 1.0UF M 3A
C475	24820822	PLASTIC FILM, 630V 8200PF J
C476	24794220	ELECTROLYTIC, 16V 22UF M
C478	24591563	PLASTIC FILM, 50V 0.056MF J
C481	24085988	ELECTROLYTIC, NONPOLAR, 50V 1.0UF M 7L
C482	24212152	CERAMIC DISC, 50V B 1500PF K
C491	24082637	PLASTIC FILM, 400V R1UF J
C492	24082637	PLASTIC FILM, 400V R1UF J
C494	24503041	PLASTIC FILM , 63V 0.1UF J
C495	24092343	CERAMIC DISC, 2KV 680PF K
C496	24092343	CERAMIC DISC, 2KV 680PF K
C498	24591392	PLASTIC FILM, 50V 3900PF J
C499	24212101	CERAMIC DISC, 50V B 100PF K
C501	24100104	CERAMIC CHIP, 25V F 100000PF Z
C502	24100104	CERAMIC CHIP, 25V F 100000PF Z
C503	24794470	ELECTORLYTIC, 16V 47UF M
C504	24109103	CERAMIC CHIP, 50V B 10000PF K
C505	24794470	ELECTORLYTIC, 16V 47UF M
C506	24109103	CERAMIC CHIP, 50V B 10000PF K
C507	24100104	CERAMIC CHIP, 25V F 100000PF Z
C508	24100104	CERAMIC CHIP, 25V F 100000PF Z

Location No.	Parts No.	Description
C509	24100104	CERAMIC CHIP, 25V F 100000PF Z
C511	24100104	CERAMIC CHIP, 25V F 100000PF Z
C512	24100104	CERAMIC CHIP, 25V F 100000PF Z
C513	24109103	CERAMIC CHIP, 50V B 10000PF K
C514	24793221	ELECTROLYTIC, 10V 220UF M
C516	24105100	CERAMIC CHIP, 50V CH 10PF D
C517	24206478	ELECTROLYTIC, 50V 0.47UF M 7L 3A
C519	24797479	ELECTROLYTIC, 50V 4.7UF M
C520	24503047	PLASTIC FILM, 63V 0.33UF J
C521	24092733	CERAMIC CHIP, 50V B 22000PF K
C522	24109103	CERAMIC CHIP, 50V B 10000PF K
C523	24100104	CERAMIC CHIP, 25V F 100000PF Z
C524	24109103	CERAMIC CHIP, 50V B 10000PF K
C525	24503041	PLASTIC FILM , 63V 0.1UF J
C526	24109103	CERAMIC CHIP, 50V B 10000PF K
C527	24797229	ELECTROLYTIC, 50V 2.2UF M
C530	24206010	ELECTROLYTIC, 50V 1.0UF M 7L 3A
C531	24100104	CERAMIC CHIP, 25V F 100000PF Z
C532	24100104	CERAMIC CHIP, 25V F 100000PF Z
C533	24100104	CERAMIC CHIP, 25V F 100000PF Z
C534	24100104	CERAMIC CHIP, 25V F 100000PF Z
C536	24100104	CERAMIC CHIP, 25V F 100000PF Z
C537	24100104	CERAMIC CHIP, 25V F 100000PF Z
C540	24100104	CERAMIC CHIP, 25V F 100000PF Z
C541	24100104	CERAMIC CHIP, 25V F 100000PF Z
C542	24100104	CERAMIC CHIP, 25V F 100000PF Z
C543	24100104	CERAMIC CHIP, 25V F 100000PF Z
C544	24100104	CERAMIC CHIP, 25V F 100000PF Z
C545	24100104	CERAMIC CHIP, 25V F 100000PF Z
C547	24109103	CERAMIC CHIP, 50V B 10000PF K
C548	24763101	ELECTROLYTIC, 16V 100UF M
C563	24206010	ELECTROLYTIC, 50V 1.0UF M 7L 3A
C564	24797479	ELECTROLYTIC, 50V 4.7UF M
C571	24100104	CERAMIC CHIP, 25V F 100000PF Z
C575	24092538	CERAMIC CHIP, 10V F 1UF Z
C613	24666471	ELECTROLYTIC, 16V 470UF M 3A
C639	24794101	ELECTROLYTIC, 16V 100UF M
C661	24797478	ELECTROLYTIC, 50V 0.47UF M
C664	24797100	ELECTROLYTIC, 50V 10UF M
C665	24797010	ELECTROLYTIC, 50V 1UF M
C666	24797010	ELECTROLYTIC, 50V 1UF M
C667	24212102	CERAMIC DISC, 50V B 1000PF K
C668	24212102	CERAMIC DISC, 50V B 1000PF K
C669	24797330	ELECTROLYTIC, 50V 33UF M
C670	24797330	ELECTROLYTIC, 50V 33UF M
C671	24669100	ELECTROLYTIC, 50V 10UF M 3A
C672	24667470	ELECTROLYTIC, 25V 47UF M 3A
C673	24667470	ELECTROLYTIC, 25V 47UF M 3A
C674	24669100	ELECTROLYTIC, 50V 10UF M 3A
C675	24667470	ELECTROLYTIC, 25V 47UF M 3A
C677	24590102	PLASTIC FILM, 50V 1000PF J
C678	24590102	PLASTIC FILM, 50V 1000PF J
C680	24668102	ELECTROLYTIC, 35V 1000UF M 3A
C681	24668102	ELECTROLYTIC, 35V 1000UF M 3A
C682	24668102	ELECTROLYTIC, 35V 1000UF M 3A
C685	24503042	PLASTIC FILM, 63V 0.12UF J
C687	24232103	CERAMIC DISC, 50V F 10000PF Z
C688	24666220	ELECTROLYTIC, 16V 22UF M 3A
C689	24503042	PLASTIC FILM, 63V 0.12UF J
C704	24591822	PLASTIC FILM, 50V 8200PF J
C705	24797229	ELECTROLYTIC, 50V 2.2UF M
C707	24794470	ELECTORLYTIC, 16V 47UF M
C712	24794470	ELECTORLYTIC, 16V 47UF M
C713	24790100	ELECTROLYTIC CE04G 160V 10UF M
C715	24214472	CERAMIC DISK CK45 B 500V 4700PF K
C717	24214472	CERAMIC DISK CK45 B 500V 4700PF K
C718	24794470	ELECTORLYTIC, 16V 47UF M

Location No.	Parts No.	Description
C719	24435151	PCERA CAP SL 500V 151J
C720	24790100	ELECTROLYTIC CE04G 160V 10UF M
C721	24794470	ELECTORLYTIC, 16V 47UF M
⚠ C801	24503056	PLASTIC FILM, AC275V 0.1UF M
⚠ C802	24503056	PLASTIC FILM, AC275V 0.1UF M
C805	24092281	CERAMIC DISC, AC250V E 4700PF
C806	24092281	CERAMIC DISC, AC250V E 4700PF
C808	24668101	ELECTROLYTIC, 35V 100UF M 3A
C809	24503049	PLASTIC FILM, 63V 0.47UF J
C810	24086873	440V330M30F 400V 330UF M30F
⚠ C813	24092555	CERAMIC DISC, AC250V E 1000PF M
⚠ C814	24092555	CERAMIC DISC, AC250V E 1000PF M
C816	24794470	ELECTORLYTIC, 16V 47UF M
C817	24092339	CERAMIC DISC, 2KV 330PF K
C818	24095931	PLASTIC FILM CF92T 1250VH 2200PF J
C821	24214471	CERAMIC DISC, 500V B 470PF K
C822	24503049	PLASTIC FILM, 63V 0.47UF J
C823	24214471	CERAMIC DISC, 500V B 470PF K
C829	24212221	CERAMIC DISC, 50V B 220PF K
C832	24794470	ELECTORLYTIC, 16V 47UF M
C836	24794470	ELECTORLYTIC, 16V 47UF M
C840	24667102	ELECTROLYTIC, 25V 1000UF M 3A
C841	24669100	ELECTROLYTIC, 50V 10UF M 3A
C842	24669100	ELECTROLYTIC, 50V 10UF M 3A
C843	24503041	PLASTIC FILM , 63V 0.1UF J
C872	24669221	ELECTROLYTIC, 50V 220UF M 3A
C884	24086953	ELECTROLYTIC, 160V 220UF M 3A
C885	24214471	CERAMIC DISC, 500V B 470PF K
C889	24669222	ELECTROLYTIC, 50V 2200UF M 3A
C890	24667222	ELECTROLYTIC, 25V 2200UF M 3A
C893	24092337	CERAMIC DISC, 2KV 220PF K
C896	24214471	CERAMIC DISC, 500V B 470PF K
C897	24667332	ELECTROLYTIC, 25V 3300UF M 3A
C898	24503045	PLASTIC FILM, 63V 0.22UF J
C899	24214471	CERAMIC DISC, 500V B 470PF K
C902	24092353	CERAMIC DISC, 2KV 4700PF K
C904	24436471	CERAMIC DISC, 50V SL 470PF J
C905	24436471	CERAMIC DISC, 50V SL 470PF J
C907	24436391	CERAMIC DISC, 50V SL 390PF J
C909	24679330	ELECTROLYTIC, 250V 33UF M 3A
C910	24797478	ELECTROLYTIC, 50V 0.47UF M
C911	24203100	ELECTORLYTIC, 16V 10UF M 7L 3A
C912	24794102	ELECTROLYTIC, 16V 1000UF M
C913	24794101	ELECTROLYTIC, 16V 100UF M
C914	24212103	CERAMIC DISC, 50V B 10000PF K
C915	24092398	CERAMIC DISC, 25V 0.1UF Z, 24092398A NI TOOITSU
C930	24214101	CERAMIC DISC, 500V B 100PF K
C931	24214101	CERAMIC DISC, 500V B 100PF K
C2110	24100104	CERAMIC CHIP, 25V F 100000PF Z
C4000	24591102	PLASTIC FILM, 50V 1000PF J
C4222	24092538	CERAMIC CHIP, 10V F 1UF Z
C4401	24763221	ELECTROLYTIC, 16V 220UF M
C4402	24109103	CERAMIC CHIP, 50V B 10000PF K
C4403	24797010	ELECTROLYTIC, 50V 1UF M
C4404	24109103	CERAMIC CHIP, 50V B 10000PF K
C4405	24100104	CERAMIC CHIP, 25V F 100000PF Z
C4406	24109103	CERAMIC CHIP, 50V B 10000PF K
C4407	24109103	CERAMIC CHIP, 50V B 10000PF K
C4408	24092538	CERAMIC CHIP, 10V F 1UF Z
C4409	24794331	ELECTROLYTIC, 16V 330UF M
C4410	24109103	CERAMIC CHIP, 50V B 10000PF K
C4411	24100104	CERAMIC CHIP, 25V F 100000PF Z
⚠ C4490	24503280	MT PLA CAP T 400V 244J
⚠ C4491	24503280	MT PLA CAP T 400V 244J
C5020	24109103	CERAMIC CHIP, 50V B 10000PF K
C5030	24763101	ELECTROLYTIC, 16V 100UF M

Location No.	Parts No.	Description
C5080	24206010	ELECTROLYTIC, 50V 1.0UF M 7L 3A
C5090	24763101	ELECTROLYTIC, 16V 100UF M
CA03	24105180	CERAMIC CHIP, 50V CH 18PF J
CA04	24105180	CERAMIC CHIP, 50V CH 18PF J
CA09	24105101	CERAMIC CHIP, 50V CH 100PF J
CA10	24105101	CERAMIC CHIP, 50V CH 100PF J
CA12	24105101	CERAMIC CHIP, 50V CH 100PF J
CA15	24105101	CERAMIC CHIP, 50V CH 100PF J
CA16	24105101	CERAMIC CHIP, 50V CH 100PF J
CA17	24105101	CERAMIC CHIP, 50V CH 100PF J
CA33	24100103	CERAMIC CHIP, 50V F 10000PF Z
CA42	24794101	ELECTROLYTIC, 16V 100UF M
CA43	24109103	CERAMIC CHIP, 50V B 10000PF K
CA44	24109103	CERAMIC CHIP, 50V B 10000PF K
CA45	24109103	CERAMIC CHIP, 50V B 10000PF K
CA67	24100103	CERAMIC CHIP, 50V F 10000PF Z
CA68	24794100	ELECTROLYTIC, 16V 10UF M
CA69	24100103	CERAMIC CHIP, 50V F 10000PF Z
CA70	24794100	ELECTROLYTIC, 16V 10UF M
CB04	24092538	CERAMIC CHIP, 10V F 1UF Z
CB05	24109222	CERAMIC CHIP, 50V B 2200PF K
CB06	24105561	CERAMIC CHIP, 50V CH 560PF J
CB07	24109332	CERAMIC CHIP, 50V B 3300PF K
CB21	24503041	PLASTIC FILM , 63V 0.1UF J
CB22	24203470	ELECTROLYTIC, 16V 47UF M 7L 3A
CB40	24092538	CERAMIC CHIP, 10V F 1UF Z
CB41	24109222	CERAMIC CHIP, 50V B 2200PF K
CB42	24105561	CERAMIC CHIP, 50V CH 560PF J
CB43	24109332	CERAMIC CHIP, 50V B 3300PF K
CB90	24100103	CERAMIC CHIP, 50V F 10000PF Z
CC04	24105220	CERAMIC CHIP, 50V CH 22PF J
CC15	24100104	CERAMIC CHIP, 25V F 100000PF Z
CC15	24232103	CERAMIC DISC, 50V F 10000PF Z
CC16	24109103	CERAMIC CHIP, 50V B 10000PF K
CC16	24590103	PLASTIC FILM, 50V 0.01MF J
CC26	24109103	CERAMIC CHIP, 50V B 10000PF K
CC27	24109103	CERAMIC CHIP, 50V B 10000PF K
CC31	24109102	CERAMIC CHIP, 50V B 1000PF K
CC60	24109223	CERAMIC CHIP, 25V B 22000PF K
CC61	24109223	CERAMIC CHIP, 25V B 22000PF K
CC62	24109102	CERAMIC CHIP, 50V B 1000PF K
CC63	24109102	CERAMIC CHIP, 50V B 1000PF K
CC64	24109223	CERAMIC CHIP, 25V B 22000PF K
CC65	24109223	CERAMIC CHIP, 25V B 22000PF K
CC66	24109102	CERAMIC CHIP, 50V B 1000PF K
CC67	24109102	CERAMIC CHIP, 50V B 1000PF K
CC68	24109102	CERAMIC CHIP, 50V B 1000PF K
CC69	24109102	CERAMIC CHIP, 50V B 1000PF K
CC70	24109102	CERAMIC CHIP, 50V B 1000PF K
CC71	24109102	CERAMIC CHIP, 50V B 1000PF K
CC72	24109102	CERAMIC CHIP, 50V B 1000PF K
CC73	24109102	CERAMIC CHIP, 50V B 1000PF K
CC74	24109102	CERAMIC CHIP, 50V B 1000PF K
CC75	24109102	CERAMIC CHIP, 50V B 1000PF K
CC77	24109102	CERAMIC CHIP, 50V B 1000PF K
CC78	24109102	CERAMIC CHIP, 50V B 1000PF K
CC80	24436470	CERAMIC DISC, 50V SL 47PF J
CR01	24206010	ELECTROLYTIC, 50V 1.0UF M 7L 3A
CR02	24100103	CERAMIC CHIP, 50V F 10000PF Z
CR07	24100104	CERAMIC CHIP, 25V F 100000PF Z
CR08	24100104	CERAMIC CHIP, 25V F 100000PF Z
CR09	24100104	CERAMIC CHIP, 25V F 100000PF Z
CR10	24100104	CERAMIC CHIP, 25V F 100000PF Z
CR11	24105470	CERAMIC CHIP, 50V CH 47PF J
CR12	24100104	CERAMIC CHIP, 25V F 100000PF Z
CR13	24100104	CERAMIC CHIP, 25V F 100000PF Z
CR14	24100104	CERAMIC CHIP, 25V F 100000PF Z

Location No.	Parts No.	Description
CR15	24794470	ELECTORLYTIC, 16V 47UF M
CR16	24100104	CERAMIC CHIP, 25V F 100000PF Z
CS01	24797229	ELECTROLYTIC, 50V 2.2UF M
CS02	24797229	ELECTROLYTIC, 50V 2.2UF M
CS03	24797229	ELECTROLYTIC, 50V 2.2UF M
CS04	24797229	ELECTROLYTIC, 50V 2.2UF M
CS05	24797229	ELECTROLYTIC, 50V 2.2UF M
CS06	24797229	ELECTROLYTIC, 50V 2.2UF M
CS07	24797229	ELECTROLYTIC, 50V 2.2UF M
CS08	24797229	ELECTROLYTIC, 50V 2.2UF M
CS09	24797229	ELECTROLYTIC, 50V 2.2UF M
CS10	24797229	ELECTROLYTIC, 50V 2.2UF M
CS11	24794100	ELECTROLYTIC, 16V 10UF M
CS12	24794100	ELECTROLYTIC, 16V 10UF M
CS13	24794100	ELECTROLYTIC, 16V 10UF M
CS14	24794100	ELECTROLYTIC, 16V 10UF M
CS18	24794100	ELECTROLYTIC, 16V 10UF M
CS19	24794100	ELECTROLYTIC, 16V 10UF M
CS20	24797478	ELECTROLYTIC, 50V 0.47UF M
CS23	24797478	ELECTROLYTIC, 50V 0.47UF M
CT01	24792221	ELECTROLYTIC CE04G 6.3V 220UF M
CT02	24109103	CERAMIC CHIP, 50V B 10000PF K
CT03	24109103	CERAMIC CHIP, 50V B 10000PF K
CT04	24793101	ELECTROLYTIC, 10V 100UF M
CT05	24100104	CERAMIC CHIP, 25V F 100000PF Z
CT06	24793470	ELECTROLYTIC CE04G 10V 47UF M
CT07	24092538	CERAMIC CHIP, 10V F 1UF Z
CT08	24105560	CERAMIC CHIP, 50V CH 56PF J
CT09	24105560	CERAMIC CHIP, 50V CH 56PF J
CT10	24793470	ELECTROLYTIC CE04G 10V 47UF M
CT11	24100104	CERAMIC CHIP, 25V F 100000PF Z
CT12	24793470	ELECTROLYTIC CE04G 10V 47UF M
CT13	24100104	CERAMIC CHIP, 25V F 100000PF Z
CT14	24100104	CERAMIC CHIP, 25V F 100000PF Z
CT17	24100104	CERAMIC CHIP, 25V F 100000PF Z
CT19	24794100	ELECTROLYTIC, 16V 10UF M
CT20	24109103	CERAMIC CHIP, 50V B 10000PF K
CT23	24100104	CERAMIC CHIP, 25V F 100000PF Z
CT99	24763102	ELECTROLYTIC, 16V 1000UF M
CV02	24092743	CERAMIC CHIP, 10V F 470NF Z
CV03	24092538	CERAMIC CHIP, 10V F 1UF Z
CV04	24092538	CERAMIC CHIP, 10V F 1UF Z
CV05	24100104	CERAMIC CHIP, 25V F 100000PF Z
CV06	24092538	CERAMIC CHIP, 10V F 1UF Z
CV07	24100104	CERAMIC CHIP, 25V F 100000PF Z
CV08	24203101	ELECTROLYTIC, 16V 100UF M 7L 3A
CV09	24092743	CERAMIC CHIP, 10V F 470NF Z
CV10	24794100	ELECTROLYTIC, 16V 10UF M
CV12	24100104	CERAMIC CHIP, 25V F 100000PF Z
CV13	24794100	ELECTROLYTIC, 16V 10UF M
CV14	24100104	CERAMIC CHIP, 25V F 100000PF Z
CV23	24203101	ELECTROLYTIC, 16V 100UF M 7L 3A
CV24	24100104	CERAMIC CHIP, 25V F 100000PF Z
CV25	24794470	ELECTORLYTIC, 16V 47UF M
CV35	24100104	CERAMIC CHIP, 25V F 100000PF Z
CV39	24794101	ELECTROLYTIC, 16V 100UF M
CV40	24100104	CERAMIC CHIP, 25V F 100000PF Z
CV42	24092743	CERAMIC CHIP, 10V F 470NF Z
CV44	24092743	CERAMIC CHIP, 10V F 470NF Z
CV46	24212332	CERAMIC DISC, 50V B 3300PF K
CV47	24212332	CERAMIC DISC, 50V B 3300PF K
CV62	24794470	ELECTORLYTIC, 16V 47UF M
CV65	24203101	ELECTROLYTIC, 16V 100UF M 7L 3A
CV66	24203101	ELECTROLYTIC, 16V 100UF M 7L 3A
CZ01	24100104	CERAMIC CHIP, 25V F 100000PF Z
CZ02	24109103	CERAMIC CHIP, 50V B 10000PF K
CZ03	24092743	CERAMIC CHIP, 10V F 470NF Z

Location No.	Parts No.	Description
CZ04	24100104	CERAMIC CHIP, 25V F 100000PF Z
CZ05	24109103	CERAMIC CHIP, 50V B 10000PF K
CZ06	24100104	CERAMIC CHIP, 25V F 100000PF Z
CZ07	24100104	CERAMIC CHIP, 25V F 100000PF Z
CZ08	24100104	CERAMIC CHIP, 25V F 100000PF Z
CZ09	24105220	CERAMIC CHIP, 50V CH 22PF J
CZ10	24105100	CERAMIC CHIP, 50V CH 10PF D
CZ11	24105220	CERAMIC CHIP, 50V CH 22PF J
CZ12	24109103	CERAMIC CHIP, 50V B 10000PF K
CZ13	24109103	CERAMIC CHIP, 50V B 10000PF K
CZ14	24794100	ELECTROLYTIC, 16V 10UF M
CZ15	24109103	CERAMIC CHIP, 50V B 10000PF K
CZ16	24100104	CERAMIC CHIP, 25V F 100000PF Z
CZ17	24109103	CERAMIC CHIP, 50V B 10000PF K
CZ19	24105681	CERAMIC CHIP, 50V 680PF J
CZ20	24092730	CERAMIC CHIP, 16V B 0.1UF K
CZ21	24105102	CERAMIC CHIP, 25V CH 1000PF J
CZ22	24794100	ELECTROLYTIC, 16V 10UF M
CZ23	24109103	CERAMIC CHIP, 50V B 10000PF K
CZ24	24109103	CERAMIC CHIP, 50V B 10000PF K
CZ25	24794100	ELECTROLYTIC, 16V 10UF M
CZ26	24109103	CERAMIC CHIP, 50V B 10000PF K
CZ28	24109103	CERAMIC CHIP, 50V B 10000PF K
CZ29	24109103	CERAMIC CHIP, 50V B 10000PF K
CZ30	24794100	ELECTROLYTIC, 16V 10UF M
CZ31	24100104	CERAMIC CHIP, 25V F 100000PF Z
CZ32	24105101	CERAMIC CHIP, 50V CH 100PF J
CZ33	24105270	CERAMIC CHIP, 50V CH 27PF J
CZ34	24105101	CERAMIC CHIP, 50V CH 100PF J
CZ35	24105270	CERAMIC CHIP, 50V CH 27PF J
CZ36	24105470	CERAMIC CHIP, 50V CH 47PF J
RESISTORS		
R101	24553223	OXIDE METAL FILM, 1W 22K OHM J
R208	24366103	CARBON FILM, 1/6W 10K OHM J
R209	24366103	CARBON FILM, 1/6W 10K OHM J
R211	24366563	CARBON FILM, 1/6W 56K OHM J
R217	24366392	CARBON FILM, 1/6W 3.9K OHM J
R219	24366473	CARBON FILM, 1/6W 47K OHM J
R227	24366273	CARBON FILM, 1/6W 27K OHM J
R245	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
R271	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R272	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R303	24321109	OXIDE METAL FILM, 1/2W 1 OHM J
R305	24322109	OXIDE METAL FILM, 1W 1 OHM J
R307	24366101	CARBON FILM, 1/6W 100 OHM J
R312	24366103	CARBON FILM, 1/6W 10K OHM J
R314	24366102	CARBON FILM, 1/6W 1K OHM J
R315	24366332	CARBON FILM, 1/6W 3.3K OHM J
R316	24366394	CARBON FILM, 1/6W 390K OHM J
R318	24366101	CARBON FILM, 1/6W 100 OHM J
R319	24366101	CARBON FILM, 1/6W 100 OHM J
R320	24366155	CARBON FILM, 1/6W 1.5M OHM J
R322	24366102	CARBON FILM, 1/6W 1K OHM J
R323	24366103	CARBON FILM, 1/6W 10K OHM J
R326	24338109	OXIDE METAL FILM, 1W 1 OHM J
R327	24338109	OXIDE METAL FILM, 1W 1 OHM J
R329	24366102	CARBON FILM, 1/6W 1K OHM J
R330	24552103	OXIDE METAL FILM, 1/2W 10K OHM J
R331	24366104	CARBON FILM, 1/6W 100K OHM J
R333	24552103	OXIDE METAL FILM, 1/2W 10K OHM J
R335	24366153	CARBON FILM, 1/6W 15K OHM J
R336	24383471	OXIDE METAL FILM, 2W 470 OHM J
R340	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R341	24366182	CARBON FILM, 1/6W 1.8K OHM J
R342	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R343	24366103	CARBON FILM, 1/6W 10K OHM J

Location No.	Parts No.	Description
R370	24366822	CARBON FILM, 1/6W 8.2K OHM J
R371	24366103	CARBON FILM, 1/6W 10K OHM J
R372	24366220	CARBON FILM, 1/6W 22 OHM J
R375	24552150	OXIDE METAL FILM, 1/2W 15 OHM J
R400	24946561	CARBON COMPOSITION, 1/2W 560 OHM K
R405	24553682	OXIDE METAL FILM, 1W 6.8K OHM J
R411	24366180	CARBON FILM, 1/6W 18 OHM J
R412	24323228	OXIDE METAL FILM, 2W 0.22 OHM J
R415	24383271	OXIDE METAL FILM, 2W 270 OHM J
R416	24381563	OXIDE METAL FILM, 1/2W 56K OHM J
R417	24383680	OXIDE METAL FILM, 2W 68 OHM J
R424	24366751	CARBON FILM, 1/6W 750 OHM J
R425	24552182	OXIDE METAL FILM, 1/2W 1.8K OHM J
R426	24366751	CARBON FILM, 1/6W 750 OHM J
R427	24366392	CARBON FILM, 1/6W 3.9K OHM J
R428	24366561	CARBON FILM, 1/6W 560 OHM J
R429	24553100	OXIDE FILM 1W 10 J
R433	24366681	CARBON FILM, 1/6W 680 OHM J
R434	24366472	CARBON FILM, 1/6W 4.7K OHM J
R435	24366184	CARBON FILM, 1/6W 18OK OHM J
R441	24383561	OXIDE METAL FILM, 2W 560 OHM J
R442	24553153	OXIDE METAL FILM, 1W 15K OHM J
R445	24321129	OXIDE METAL FILM, 1/2W 1.2 OHM J
R460	24366103	CARBON FILM, 1/6W 10K OHM J
R462	24366822	CARBON FILM, 1/6W 8.2K OHM J
R464	24366103	CARBON FILM, 1/6W 10K OHM J
R466	24366103	CARBON FILM, 1/6W 10K OHM J
R467	24327224	METAL FILM, 1/4W 220K OHM F
R470	24339568	METAL FILM 2W R56 J
R471	24531271	FUSIBLE, 1/2W 270 OHM J
R472	24366101	CARBON FILM, 1/6W 100 OHM J
R473	24366183	CARBON FILM, 1/6W 18K OHM J
R474	24376393	CARBON FILM, 1/2W 39K OHM J
R476	24366471	CARBON FILM, 1/6W 470 OHM J
R477	24366102	CARBON FILM, 1/6W 1K OHM J
R478	24381333	OXIDE METAL FILM, 1/2W 33K OHM J
R479	24531680	FUSIBLE, 1/2W 68 OHM J
R481	24366223	CARBON FILM, 1/6W 22K OHM J
R482	24366183	CARBON FILM, 1/6W 18K OHM J
R483	24366223	CARBON FILM, 1/6W 22K OHM J
R487	24366474	CARBON FILM, 1/6W 470K OHM J
R488	24366154	CARBON FILM, 1/6W 150K OHM J
R489	24366563	CARBON FILM, 1/6W 56K OHM J
R490	24366101	CARBON FILM, 1/6W 100 OHM J
R491	24366101	CARBON FILM, 1/6W 100 OHM J
R492	24366472	CARBON FILM, 1/6W 4.7K OHM J
R493	24366104	CARBON FILM, 1/6W 100K OHM J
R494	24366104	CARBON FILM, 1/6W 100K OHM J
R497	24366105	CARBON FILM, 1/6W 1M OHM J
R498	24366104	CARBON FILM, 1/6W 100K OHM J
R501	24011682	CHIP, METAL FILM, 1/20W 6.8K OHM J
R502	24011272	CHIP, METAL FILM, 1/20W 2.7K OHM J
R504	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R505	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R506	24011273	CHIP, METAL FILM, 1/20W 27K OHM J
R507	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J
R508	24011682	CHIP, METAL FILM, 1/20W 6.8K OHM J
R511	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R512	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R513	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R514	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R515	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R516	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R517	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R519	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
R520	24366681	CARBON FILM, 1/6W 680 OHM J
R543	24011681	CHIP, METAL FILM, 1/20W 680 OHM J

Location No.	Parts No.	Description
R548	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
R552	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R553	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
R554	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R555	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R561	24552181	OXIDE METAL FILM, 1/2W 180 OHM J
R569	24011823	CHIP, METAL FILM, 1/20W 82K OHM J
R612	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R613	24011224	CHIP, METAL FILM, 1/20W 220K OHM J
R661	24552221	OXIDE METAL FILM, 1/2W 220 OHM J
R662	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
R662	24552221	OXIDE METAL FILM, 1/2W 220 OHM J
R670	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J
R671	24011822	CHIP, METAL FILM, 1/20W 8.2K OHM J
R672	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J
R673	24011822	CHIP, METAL FILM, 1/20W 8.2K OHM J
R676	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
R677	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
R678	24011682	CHIP, METAL FILM, 1/20W 6.8K OHM J
R679	24011682	CHIP, METAL FILM, 1/20W 6.8K OHM J
R684	24366229	CARBON FILM, 1/6W 2.2 OHM J
R685	24366229	CARBON FILM, 1/6W 2.2 OHM J
R688	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
R702	24552221	OXIDE METAL FILM, 1/2W 220 OHM J
R712	24366101	CARBON FILM, 1/6W 100 OHM J
R715	24366223	CARBON FILM, 1/6W 22K OHM J
R716	24366273	CARBON FILM, 1/6W 27K OHM J
R717	24366183	CARBON FILM, 1/6W 18K OHM J
R718	24366681	CARBON FILM, 1/6W 680 OHM J
R722	24552471	OXIDE METAL FILM, 1/2W 470 OHM J
R723	24366101	CARBON FILM, 1/6W 100 OHM J
R724	24366151	CARBON FILM, 1/6W 150 OHM J
R725	24366821	CARBON FILM, 1/6W 820 OHM J
R730	24552100	OXIDE METAL FILM, 1/2W 10 OHM J
R731	24553331	OXIDE METAL FILM, 1W 330 OHM J
R732	24366220	CARBON FILM, 1/6W 22 OHM J
R733	24366683	CARBON FILM, 1/6W 68K OHM J
R734	24366220	CARBON FILM, 1/6W 22 OHM J
R735	24366683	CARBON FILM, 1/6W 68K OHM J
R736	24366470	CARBON FILM, 1/6W 47 OHM J
R737	24366681	CARBON FILM, 1/6W 680 OHM J
R738	24366102	CARBON FILM, 1/6W 1K OHM J
R739	24366681	CARBON FILM, 1/6W 680 OHM J
R740	24366470	CARBON FILM, 1/6W 47 OHM J
R741	24366229	CARBON FILM, 1/6W 2.2 OHM J
R742	24366229	CARBON FILM, 1/6W 2.2 OHM J
R743	24554181	OXIDE METAL FILM, 2W 180 OHM J
R744	24366122	CARBON FILM, 1/6W 1.2K OHM J
R745	24366122	CARBON FILM, 1/6W 1.2K OHM J
⚠ R801	24009954	METAL FILN, 1/2W 2.2M OHM J
R803	24382683	OXIDE METAL FILM, 1W 68K OHM J
R805	24552101	OXIDE METAL FILM, 1/2W 100 OHM J
R806	24381153	OXIDE METAL FILM, 1/2W 15K OHM J
R807	24366104	CARBON FILM, 1/6W 100K OHM J
⚠ R808	24019484	THERMISTOR, PTC, AC265 4R5A
R814	24366222	CARBON FILM, 1/6W 2.2K OHM J
R815	24552102	OXIDE METAL FILM, 1/2W 1K OHM J
R818	24019460	METAL PLATE, 2W 0.1 OHM J
R819	24381820	OXIDE METAL FILM, 1/2W 82 OHM J
R823	24552103	OXIDE METAL FILM, 1/2W 10K OHM J
R824	24569689	CERAMIC COVERED, 10W 6.8 OHM J
R827	24366681	CARBON FILM, 1/6W 680 OHM J
R828	24366821	CARBON FILM, 1/6W 820 OHM J
R829	24321159	OXIDE METAL FILM, 1/2W 1.5 OHM J
R831	24366471	CARBON FILM, 1/6W 470 OHM J
R834	24366471	CARBON FILM, 1/6W 470 OHM J
R843	24366331	CARBON FILM, 1/6W 330 OHM J

Location No.	Parts No.	Description
R850	24366103	CARBON FILM, 1/6W 10K OHM J
R851	24366102	CARBON FILM, 1/6W 1K OHM J
R852	24366225	CARBON FILM, 1/6W 2.2M OHM J
R875	24366332	CARBON FILM, 1/6W 3.3K OHM J
R876	24366103	CARBON FILM, 1/6W 10K OHM J
⚠ R899	24005015	METAL GLAZE, 1W 8.2M OHM J
R901	24376471	CARBON FILM, 1/2W 470 OHM J
R902	24376471	CARBON FILM, 1/2W 470 OHM J
R903	24376471	CARBON FILM, 1/2W 470 OHM J
R904	24366472	CARBON FILM, 1/6W 4.7K OHM J
R905	24366150	CARBON FILM, 1/6W 15 OHM J
R909	24366100	CARBON FILM, 1/6W 10 OHM J
R914	24366471	CARBON FILM, 1/6W 470 OHM J
R915	24366680	CARBON FILM, 1/6W 68 OHM J
R916	24366270	CARBON FILM, 1/6W 27 OHM J
R917	24366391	CARBON FILM, 1/6W 390 OHM J
R918	24366180	CARBON FILM, 1/6W 18 OHM J
R920	24000910	FUSE RES RN Z 1W 339J
R921	24366471	CARBON FILM, 1/6W 470 OHM J
R922	24366680	CARBON FILM, 1/6W 68 OHM J
R924	24366180	CARBON FILM, 1/6W 18 OHM J
R925	24366391	CARBON FILM, 1/6W 390 OHM J
R928	24366471	CARBON FILM, 1/6W 470 OHM J
R929	24366680	CARBON FILM, 1/6W 68 OHM J
R930	24366180	CARBON FILM, 1/6W 18 OHM J
R932	24366332	CARBON FILM, 1/6W 3.3K OHM J
R933	24366750	CARBON FILM, 1/6W 75 OHM J
R934	24366361	CARBON FILM, 1/6W 360 OHM J
R935	24366102	CARBON FILM, 1/6W 1K OHM J
R936	24366750	CARBON FILM, 1/6W 75 OHM J
R937	24366391	CARBON FILM, 1/6W 390 OHM J
R942	24366392	CARBON FILM, 1/6W 3.9K OHM J
R943	24366392	CARBON FILM, 1/6W 3.9K OHM J
R944	24366392	CARBON FILM, 1/6W 3.9K OHM J
R945	24366270	CARBON FILM, 1/6W 27 OHM J
R946	24366270	CARBON FILM, 1/6W 27 OHM J
R950	24060356	VARIABLE, METAL 16B 0.6W 20M OHM M
R960	24383153	OXIDE METAL FILM, 2W 15K OHM J
R961	24383153	OXIDE METAL FILM, 2W 15K OHM J
R962	24383153	OXIDE METAL FILM, 2W 15K OHM J
R963	24383153	OXIDE METAL FILM, 2W 15K OHM J
R964	24383153	OXIDE METAL FILM, 2W 15K OHM J
R965	24383153	OXIDE METAL FILM, 2W 15K OHM J
R966	24383153	OXIDE METAL FILM, 2W 15K OHM J
R967	24383153	OXIDE METAL FILM, 2W 15K OHM J
R968	24383153	OXIDE METAL FILM, 2W 15K OHM J
R969	24366392	CARBON FILM, 1/6W 3.9K OHM J
R970	24366392	CARBON FILM, 1/6W 3.9K OHM J
R971	24366392	CARBON FILM, 1/6W 3.9K OHM J
R977	24366561	CARBON FILM, 1/6W 560 OHM J
R980	24366471	CARBON FILM, 1/6W 470 OHM J
R981	24366471	CARBON FILM, 1/6W 470 OHM J
R992	24366150	CARBON FILM, 1/6W 15 OHM J
R2020	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R2060	24366221	CARBON FILM, 1/6W 220 OHM J
R2104	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
R2105	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R2106	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R2107	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R2149	24871681	CHIP, METAL FILM, 1/8W 680 OHM J
R2150	24871681	CHIP, METAL FILM, 1/8W 680 OHM J
R2151	24871681	CHIP, METAL FILM, 1/8W 680 OHM J
R2152	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R2153	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R2154	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R2155	24871102	CHIP, METAL FILM, 1/8W 1K OHM J
R2156	24871102	CHIP, METAL FILM, 1/8W 1K OHM J

Location No.	Parts No.	Description
R2157	24871102	CHIP, METAL FILM, 1/8W 1K OHM J
R3407	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R4310	24366183	CARBON FILM, 1/6W 18K OHM J
R4401	24011302	CHIP, METAL FILM, 1/20W 3K OHM J
R4403	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
R4404	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
R4405	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R4406	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R4407	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R4408	24011361	METAL FILM CHIP 1/20W 360 J
R4409	24552471	OXIDE METAL FILM, 1/2W 470 OHM J
R4410	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R4411	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R4411	24366101	CARBON FILM, 1/6W 100 OHM J
R4412	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R4413	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R4414	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R4422	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R4430	24011622	CHIP, METAL FILM, 1/20W 6.2K OHM J
R4466	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R4467	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
R4473	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
R4474	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
R4490	24382222	OXIDE METAL FILM, 1W 2.2K OHM J
R4491	24366392	CARBON FILM, 1/6W 3.9K OHM J
R4492	24366103	CARBON FILM, 1/6W 10K OHM J
R4493	24382104	OXIDE METAL FILM, 1W 100K OHM J
R4495	24366473	CARBON FILM, 1/6W 47K OHM J
R5020	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R5030	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RA02	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RA04	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA05	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA07	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA08	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA09	24011682	CHIP, METAL FILM, 1/20W 6.8K OHM J
RA10	24011682	CHIP, METAL FILM, 1/20W 6.8K OHM J
RA11	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
RA12	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
RA13	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA16	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA17	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA18	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA19	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
RA22	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
RA23	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
RA24	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
RA25	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA26	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA27	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA29	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RA30	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RA33	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RA35	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA37	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RA38	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RA43	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA48	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA50	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RA60	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
RA69	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RA70	24011333	CHIP, METAL FILM, 1/20W 33K OHM J
RA71	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA71	24366683	CARBON FILM, 1/6W 68K OHM J
RA72	24366223	CARBON FILM, 1/6W 22K OHM J
RA73	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
RA73	24366103	CARBON FILM, 1/6W 10K OHM J

Location No.	Parts No.	Description
RA75	24011333	CHIP, METAL FILM, 1/20W 33K OHM J
RA76	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RA78	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA99	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RB01	24366271	CARBON FILM, 1/6W 270 OHM J
RB03	24366271	CARBON FILM, 1/6W 270 OHM J
RB04	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
RB05	24011105	CHIP, METAL FILM, 1/20W 1M OHM J
RB06	24011123	CHIP, METAL FILM, 1/20W 12K OHM J
RB07	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J
RB08	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J
RB09	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RB10	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RB11	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RB13	24366223	CARBON FILM, 1/6W 22K OHM J
RB22	24366470	CARBON FILM, 1/6W 47 OHM J
RB30	24366103	CARBON FILM, 1/6W 10K OHM J
RB32	24011105	CHIP, METAL FILM, 1/20W 1M OHM J
RB33	24011123	CHIP, METAL FILM, 1/20W 12K OHM J
RB34	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J
RB35	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J
RB43	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RB44	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RB45	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RB46	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RB49	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
RB81	24011122	CHIP, METAL FILM, 1/20W 1.2K OHM J
RB82	24011123	CHIP, METAL FILM, 1/20W 12K OHM J
RB83	24011123	CHIP, METAL FILM, 1/20W 12K OHM J
RB90	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J
RB91	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RB92	24011271	CHIP, METAL FILM, 1/20W 270 OHM J
RB93	24011271	CHIP, METAL FILM, 1/20W 270 OHM J
RB94	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RB95	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RB96	24011273	CHIP, METAL FILM, 1/20W 27K OHM J
RB97	24011273	CHIP, METAL FILM, 1/20W 27K OHM J
RB98	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RC01	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC02	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC03	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC04	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC05	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC06	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC07	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC08	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC09	24000445	CHIP JUMPER, 1608TYPE
RC10	24000445	CHIP JUMPER, 1608TYPE
RD28	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RR01	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RR02	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RR03	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RR04	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RR05	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RR06	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RR07	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RR08	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RR09	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RR11	24011821	CHIP, METAL FILM, 1/20W 820 OHM J
RR12	24011821	CHIP, METAL FILM, 1/20W 820 OHM J
RR13	24011821	CHIP, METAL FILM, 1/20W 820 OHM J
RR14	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J
RR15	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J
RR16	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J
RR17	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J
RR18	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J
RR19	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J

Location No.	Parts No.	Description
RR20	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RR21	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RR22	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RR23	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RR25	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RS01	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS02	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS03	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS04	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS05	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS06	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS07	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS08	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS09	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS10	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS11	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS12	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS13	24011271	CHIP, METAL FILM, 1/20W 270 OHM J
RS14	24011271	CHIP, METAL FILM, 1/20W 270 OHM J
RS15	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS16	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS17	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS18	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS19	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS20	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS21	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RS22	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RS23	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS24	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS25	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS26	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS27	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS28	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS29	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RS30	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RS31	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS32	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS33	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS34	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS37	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS38	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS49	24011271	CHIP, METAL FILM, 1/20W 270 OHM J
RS50	24011271	CHIP, METAL FILM, 1/20W 270 OHM J
RS51	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS52	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS53	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS54	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS55	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RS56	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS57	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RT01	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RT02	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RT03	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RT04	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RT05	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RT06	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
RT07	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RT08	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RT09	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
RT10	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RT11	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
RT12	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RT13	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RT14	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RT15	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RT16	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RT18	24011223	CHIP, METAL FILM, 1/20W 22K OHM J

Location No.	Parts No.	Description
RT19	24000445	CHIP JUMPER, 1608TYPE
RT20	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RT21	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
RT22	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RT23	24000445	CHIP JUMPER, 1608TYPE
RT24	24000594	CHIP 1/16W 123F
RT26	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RT27	24000594	CHIP 1/16W 123F
RT28	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RT29	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RT30	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RT31	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RT32	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RT33	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RT34	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RT35	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RT37	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RT38	24011151	CHIP, METAL FILM, 1/20W 150 OHM J
RT39	24011561	CHIP, METAL FILM, 1/20W 560 OHM J
RT40	24011151	CHIP, METAL FILM, 1/20W 150 OHM J
RT42	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
RT43	24011151	CHIP, METAL FILM, 1/20W 150 OHM J
RT44	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RV04	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV05	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RV07	24367103	CARBON FILM, 1/6W 10K OHM G
RV08	24367103	CARBON FILM, 1/6W 10K OHM G
RV09	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV10	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV16	24011333	CHIP, METAL FILM, 1/20W 33K OHM J
RV17	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RV18	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV19	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
RV20	24367103	CARBON FILM, 1/6W 10K OHM G
RV21	24367392	CARBON FILM, 1/6W 3.9K OHM G
RV22	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RV23	24552101	OXIDE METAL FILM, 1/2W 100 OHM J
RV25	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV26	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RV27	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV28	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RV29	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RV30	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV31	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV32	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV33	24367392	CARBON FILM, 1/6W 3.9K OHM G
RV34	24367392	CARBON FILM, 1/6W 3.9K OHM G
RV37	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV41	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV42	24011391	CHIP, METAL FILM, 1/20W 390 OHM J
RV43	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RV44	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV60	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RV61	24552101	OXIDE METAL FILM, 1/2W 100 OHM J
RV62	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV63	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RV64	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV65	24552101	OXIDE METAL FILM, 1/2W 100 OHM J
RV66	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV67	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RV68	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV69	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RV70	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RV80	24366681	CARBON FILM, 1/6W 680 OHM J
RV81	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV83	24366681	CARBON FILM, 1/6W 680 OHM J
RV84	24366223	CARBON FILM, 1/6W 22K OHM J

Location No.	Parts No.	Description
RV85	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV86	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV87	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV88	24366223	CARBON FILM, 1/6W 22K OHM J
RV88	24872151	CHIP, METAL FILM, 1/16W 150 OHM J
RV89	24872151	CHIP, METAL FILM, 1/16W 150 OHM J
RV94	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
RV95	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
RV96	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
RX01	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV281	24367102	CARBON FILM, 1/6W 1K OHM G
RV331	24367102	CARBON FILM, 1/6W 1K OHM G
RV341	24367102	CARBON FILM, 1/6W 1K OHM G
RX02	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RZ01	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RZ02	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RZ03	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RZ04	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RZ05	24011391	CHIP, METAL FILM, 1/20W 390 OHM J
RZ06	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
RZ08	24011391	CHIP, METAL FILM, 1/20W 390 OHM J
RZ13	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RZ14	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RZ15	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RZ17	24011391	CHIP, METAL FILM, 1/20W 390 OHM J
RZ18	24011391	CHIP, METAL FILM, 1/20W 390 OHM J
RZ29	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RZ30	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
COILS & TRANSFORMERS		
L101	23221803	COIL, CHOKE, TLN3040D
L301	23103894	FILTER, FERRITE BEAD, TEM2011AW
L302	23289846	COIL, PEAKING, TRF4101AT
L400	23289840	COIL, PEAKING, TRF4100AT
L410	23103894	FILTER, FERRITE BEAD, TEM2011AW
L441	23233033	COIL, HORIZ LINIALTY, TLN2209AT
L442	23248216	COIL, CHOKE , TLN3459AH
L443	23248223	COIL, CHOKE, TLN3451AH
L461	23248168	COIL, CHOKE, TLN3328AD
L470	23103894	FILTER, FERRITE BEAD, TEM2011AW
L501	23289470	COIL, PEAKING, TRF4470AF
L503	23289470	COIL, PEAKING, TRF4470AF
L504	23238714	COIL, PEAKING, TRF4100AJ
L505	23289840	COIL, PEAKING, TRF4100AT
L510	23103852	COIL, FILTER, TEM2028AH
L511	23103845	COIL, COMMONMODE, TEM2030AY
L512	23103845	COIL, COMMONMODE, TEM2030AY
L514	23103852	COIL, FILTER, TEM2028AH
L515	23103845	COIL, COMMONMODE, TEM2030AY
L516	23103845	COIL, COMMONMODE, TEM2030AY
L701	23289840	COIL, PEAKING, TRF4100AT
L702	23261974	COIL, FERRITE BEAD, HC5-035
L704	23103859	COIL, CHOKE, TEM2011
L705	23103859	COIL, CHOKE, TEM2011
L801	23217521	TRANSFORMER, CHOKE, TPW2023BS
L811	23103894	FILTER, FERRITE BEAD, TEM2011AW
L824	23248289	COIL, CHOKE, TLN3312GH
L876	23289840	COIL, PEAKING, TRF4100AT
L883	23221111	COIL, CHOKE COIL 1.0MMH, TRF9253GH
L885	23248288	COIL, CHOKE, TLN3299GH
L886	23103894	FILTER, FERRITE BEAD, TEM2011AW
L889	23248289	COIL, CHOKE, TLN3312GH
L891	23103894	FILTER, FERRITE BEAD, TEM2011AW
L892	23103894	FILTER, FERRITE BEAD, TEM2011AW
L893	23248289	COIL, CHOKE, TLN3312GH
L894	23289840	COIL, PEAKING, TRF4100AT
L895	23248289	COIL, CHOKE, TLN3312GH

Location No.	Parts No.	Description
L897	23248289	COIL, CHOKE, TLN3312GH
⚠ L901	23200458	COIL, DG 0.50CU 60T-2LOOP, TSB-2414AT
L902	23238508	COIL, PEAKING, TRF4121AJ
L903	23238703	COIL, PEAKING, TRF4820AJ
L904	23238703	COIL, PEAKING, TRF4820AJ
L905	23289841	COIL, PEAKING, TRF4150AT
L906	23289841	COIL, PEAKING, TRF4150AT
L907	23289841	COIL, PEAKING, TRF4150AT
L908	23289840	COIL, PEAKING, TRF4100AT
L911	23289846	COIL, PEAKING, TRF4101AT
L4000	23289840	COIL, PEAKING, TRF4100AT
L4401	23289101	COIL, PEAKING, TRF4101AF
LA01	23289840	COIL, PEAKING, TRF4100AT
LC01	23103828	INDUCTOR, BEAD, TEM2121M
LC02	23103828	INDUCTOR, BEAD, TEM2121M
LC03	23103828	INDUCTOR, BEAD, TEM2121M
LC04	23103828	INDUCTOR, BEAD, TEM2121M
LC05	23103828	INDUCTOR, BEAD, TEM2121M
LC06	23103828	INDUCTOR, BEAD, TEM2121M
LC07	23238562	COIL, PEAKING, TRF4109AJ
LC08	23238562	COIL, PEAKING, TRF4109AJ
LC09	23103828	INDUCTOR, BEAD, TEM2121M
LC10	23103828	INDUCTOR, BEAD, TEM2121M
LC20	23103832	INDUCTOR, BEAD, TEM2125M
LC43	23103828	INDUCTOR, BEAD, TEM2121M
LC45	23238562	COIL, PEAKING, TRF4109AJ
LG102	23103828	INDUCTOR, BEAD, TEM2121M
LG103	23103828	INDUCTOR, BEAD, TEM2121M
LR01	23289109	COIL, PEAKING, TRF41R0AF
LR02	23289109	COIL, PEAKING, TRF41R0AF
LT01	23103828	INDUCTOR, BEAD, TEM2121M
LT02	23103828	INDUCTOR, BEAD, TEM2121M
LT03	23103828	INDUCTOR, BEAD, TEM2121M
LT04	23103828	INDUCTOR, BEAD, TEM2121M
LT05	23103828	INDUCTOR, BEAD, TEM2121M
LT07	23103828	INDUCTOR, BEAD, TEM2121M
LT08	23103828	INDUCTOR, BEAD, TEM2121M
LT09	23103828	INDUCTOR, BEAD, TEM2121M
LT11	23103828	INDUCTOR, BEAD, TEM2121M
LT12	23103828	INDUCTOR, BEAD, TEM2121M
LV09	23289840	COIL, PEAKING, TRF4100AT
LV42	23289840	COIL, PEAKING, TRF4100AT
LV43	23289840	COIL, PEAKING, TRF4100AT
LV49	23103852	COIL, FILTER, TEM2028AH
LZ01	23238710	COIL, PEAKING, TRF4220AJ
LZ02	23289844	COIL, PEAKING, TRF4470AT
LZ03	23289844	COIL, PEAKING, TRF4470AT
LZ04	23289844	COIL, PEAKING, TRF4470AT
LZ05	23289844	COIL, PEAKING, TRF4470AT
LZ06	23103852	COIL, FILTER, TEM2028AH
LZ07	23103827	INDUCTOR, BEAD, TEM2120M
LZ09	23103827	INDUCTOR, BEAD, TEM2120M
LZ10	23103827	INDUCTOR, BEAD, TEM2120M
LZ11	23103827	INDUCTOR, BEAD, TEM2120M
⚠ T400	23224364	TRANSFORMER, FOCUS, TLN2168AH
T401	23224371	TRANSFORMER, HORIZ DRIVE, TLN1080AH
⚠ T461	23236732	FBT 32ZD26P 30KV BODY
⚠ T461A	23192964	ANODE CAP ASSY, TCC5606CT
⚠ T461B	23504203	CABLE, FOCUS
⚠ T461C	23236447	TRANSFORMER, HORIZ OUTPUT, TFB4115AR
T801	23211736	COIL, LINE FILTER, TRF3231AL
T802	23211736	COIL, LINE FILTER, TRF3231AL
⚠ T840	23217468	TRANSFORMER, POWER, TPW1565AZ
⚠ T863	23217562	CONV TRS EER49L 32ZD26P

Location No.	Parts No.	Description
SEMICONDUCTORS		
Q200	23114756	TRANSISTOR, 2SC2482
Q201	23314794	TRANSISTOR, VCEO=50V TO-92 2PC1815Y
Q274	23314993	TRANSISTOR, 2SC4081 Q
Q301	23319787	IC, LA7833S
Q301B	70391355	SCREW, 3X8MM
Q302	23000711	IC, TA1317AN
Q303	23314791	TRANSISTOR, VCEO=-50V TO-92 2PA1015Y
Q340	70114396	TRANSISTOR, 2SC3326B
Q341	23314794	TRANSISTOR, VCEO=50V TO-92 2PC1815Y
Q370	23114462	TRANSISTOR, RN1202
Q371	23114462	TRANSISTOR, RN1202
Q402	23114577	TRANSISTOR, 2SC22350 (FA-1
Q404	23205007	TRANSISTOR, 2SC5570(FA)
Q404B	23850638	INSULATOR, TRANSISTOR, AC263
Q404D	72471082	SCREW, 3X10MM
Q418	23314141	TRANSISTOR, 2SC3852
Q418B	70391355	SCREW, 3X8MM
Q420	23314141	TRANSISTOR, 2SC3852
Q420B	70391355	SCREW, 3X8MM
Q421	23314794	TRANSISTOR, VCEO=50V TO-92 2PC1815Y
Q430	23314141	TRANSISTOR, 2SC3852
Q430B	70391355	SCREW, 3X8MM
Q460	23314938	TRANSISTOR, 2SD2493(P)
Q460B	72471082	SCREW, 3X10MM
Q461	23314791	TRANSISTOR, VCEO=-50V TO-92 2PA1015Y
Q470	23114541	TRANSISTOR, 2SA1320
Q470	23314794	TRANSISTOR, VCEO=50V TO-92 2PC1815Y
Q471	23314794	TRANSISTOR, VCEO=50V TO-92 2PC1815Y
Q472	23314794	TRANSISTOR, VCEO=50V TO-92 2PC1815Y
Q473	23314791	TRANSISTOR, VCEO=-50V TO-92 2PA1015Y
Q501	23000624	IC, TB1274F(J)
Q504	23314994	TRANSISTOR, 2SA1576A106
Q506	23314794	TRANSISTOR, VCEO=50V TO-92 2PC1815Y
Q507	23114501	TRANSISTOR, RN1402
Q510	23000584	IC, TA1316AN
Q612	23314994	TRANSISTOR, 2SA1576A106
Q670	23318814	IC, TA8211AH
Q670B	70391355	SCREW, 3X8MM
Q671	70114396	TRANSISTOR, 2SC3326B
Q672	70114396	TRANSISTOR, 2SC3326B
Q688	23114499	TRANSISTOR, RN1404
Q705	23314794	TRANSISTOR, VCEO=50V TO-92 2PC1815Y
Q706	23114433	TRANSISTOR, 2SC1815-Y
Q707	23114437	TRANSISTOR, 2SC752GTM-Y
Q709	23114433	TRANSISTOR, 2SC1815-Y
Q710	23114425	TRANSISTOR, 2SA1015-Y(TE
Q711	23205075	TRANSISTOR, 2SA1930
Q711B	70391355	SCREW, 3X8MM
Q712	23205076	TRANSISTOR, 2SC5171
Q712B	70391355	SCREW, 3X8MM
Q719	23314794	TRANSISTOR, VCEO=50V TO-92 2PC1815Y
Q801	23135029	IC, HYBRID IC STR-X6468
Q801B	72471082	SCREW, 3X10MM
Q805	23314794	TRANSISTOR, VCEO=50V TO-92 2PC1815Y
Q807	23314794	TRANSISTOR, VCEO=50V TO-92 2PC1815Y
⚠ Q826	23000823	IC, PHOTO COUPLER, TLP421F(GR)
Q827	23000352	IC, SE125N, LF4
Q831	23314141	TRANSISTOR, 2SC3852
Q831B	70391355	SCREW, 3X8MM
Q833	23314141	TRANSISTOR, 2SC3852
Q833B	70391355	SCREW, 3X8MM
Q840	23318299	IC, L78MR05-FA
Q840B	70391355	SCREW, 3X8MM
Q901	23314780	TRANSISTOR, 2SC4544
Q901B	70391355	SCREW, 3X8MM
Q902	23114433	TRANSISTOR, 2SC1815-Y

Location No.	Parts No.	Description
Q903	23314780	TRANSISTOR, 2SC4544
Q903B	70391355	SCREW, 3X8MM
Q904	23114433	TRANSISTOR, 2SC1815-Y
Q905	23314780	TRANSISTOR, 2SC4544
Q905B	70391355	SCREW, 3X8MM
Q906	23114433	TRANSISTOR, 2SC1815-Y
Q907	23114422	TRANSISTOR, 2SA562TM-Y
Q908	23114429	TRANSISTOR, 2SC2120-Y(TE
Q910	23114433	TRANSISTOR, 2SC1815-Y
Q2104	23314791	TRANSISTOR, VCEO=-50V TO-92 2PA1015Y
Q2105	23314791	TRANSISTOR, VCEO=-50V TO-92 2PA1015Y
Q2106	23314791	TRANSISTOR, VCEO=-50V TO-92 2PA1015Y
Q4200	23000370	IC, TA1318N
Q4465	23314994	TRANSISTOR, 2SA1576A106
Q4490	23118952	IC, PHOTO COUPLER, TLP521-1 (FA)
Q4491	23314917	TRANSISTOR, 2SK2003-01MR
Q4493	23314794	TRANSISTOR, VCEO=50V TO-92 2PC1815Y
QA01	23009137	IC, 8BIT MICRO COMPUTER
QA02	23906642	IC, AT24C64-10PC
QA61	23000864	IC, 256K BIT CMOS EEPROM AT24C256-10PC
QB03	23314791	TRANSISTOR, VCEO=-50V TO-92 2PA1015Y
QB04	23314994	TRANSISTOR, 2SA1576A106
QB05	23314993	TRANSISTOR, 2SC4081 Q
QB06	23314994	TRANSISTOR, 2SA1576A106
QB30	23314794	TRANSISTOR, VCEO=50V TO-92 2PC1815Y
QB42	23314994	TRANSISTOR, 2SA1576A106
QB43	23314993	TRANSISTOR, 2SC4081 Q
QB81	70114396	TRANSISTOR, 2SC3326B
QB82	70114396	TRANSISTOR, 2SC3326B
QB83	23314994	TRANSISTOR, 2SA1576A106
QB92	23314993	TRANSISTOR, 2SC4081 Q
QB93	23314994	TRANSISTOR, 2SA1576A106
QB94	23314994	TRANSISTOR, 2SA1576A106
QB95	23314994	TRANSISTOR, 2SA1576A106
QB96	23314994	TRANSISTOR, 2SA1576A106
QR01	23009037	IC, OSD 28SDIP 512CHR MB90096P-G-23
QR11	23314994	TRANSISTOR, 2SA1576A106
QS01	70114396	TRANSISTOR, 2SC3326B
QS02	70114396	TRANSISTOR, 2SC3326B
QS03	23314993	TRANSISTOR, 2SC4081 Q
QS04	23314993	TRANSISTOR, 2SC4081 Q
QS05	70114396	TRANSISTOR, 2SC3326B
QS06	70114396	TRANSISTOR, 2SC3326B
QS07	70114396	TRANSISTOR, 2SC3326B
QS08	70114396	TRANSISTOR, 2SC3326B
QS09	23114493	TRANSISTOR, RN2404
QS10	23114493	TRANSISTOR, RN2404
QT01	23009169	IC, 8BIT TV/TEXT MCU 128K
QT02	23314993	TRANSISTOR, 2SC4081 Q
QT03	70114402	TRANSISTOR, 2SC3437-Y
QT05	23314993	TRANSISTOR, 2SC4081 Q
QT06	23000283	IC, R1121N
QT08	23314993	TRANSISTOR, 2SC4081 Q
QT09	23000727	IC, SRAM 1M M5M51008BVP12
QT10	23314993	TRANSISTOR, 2SC4081 Q
QT11	23009114	IC, RESET 4.6V SMP5 BD4746G
QT12	23314994	TRANSISTOR, 2SA1576A106
QT13	23314994	TRANSISTOR, 2SA1576A106
QT14	23314994	TRANSISTOR, 2SA1576A106
QT15	23314994	TRANSISTOR, 2SA1576A106
QV01	23906887	IC, AV-SW IC QFP64PIN CXA2069Q
QV02	23314993	TRANSISTOR, 2SC4081 Q
QV03	23314993	TRANSISTOR, 2SC4081 Q
QV04	23314993	TRANSISTOR, 2SC4081 Q
QV06	23314994	TRANSISTOR, 2SA1576A106
QV09	23314794	TRANSISTOR, VCEO=50V TO-92 2PC1815Y

Location No.	Parts No.	Description
QV12	23314794	TRANSISTOR, VCEO=50V TO-92 2PC1815Y
QV14	23314794	TRANSISTOR, VCEO=50V TO-92 2PC1815Y
QV15	23314993	TRANSISTOR, 2SC4081 Q
QX01	70114396	TRANSISTOR, 2SC3326B
QZ01	23000796	IC, CMOS MULTI COMB SOP28 TC90A69F(ELP)
QZ02	23314993	TRANSISTOR, 2SC4081 Q
QZ04	23314994	TRANSISTOR, 2SA1576A106
QZ05	23314994	TRANSISTOR, 2SA1576A106
QZ07	23314994	TRANSISTOR, 2SA1576A106
QZ08	23314993	TRANSISTOR, 2SC4081 Q
D101	23316756	DIODE, ZENER, MTZJ33D
D240	23115599	DIODE, 1N4148
D301	23118479	DIODE, BYD33J
D302	23118094	DIODE, EU2A
D303	23316794	DIODE, SC570A
D304	23118094	DIODE, EU2A
D312	23115599	DIODE, 1N4148
D313	23115599	DIODE, 1N4148
D320	23115599	DIODE, 1N4148
D327	23316717	DIODE, ZENER, MTZJ11C
D328	23316717	DIODE, ZENER, MTZJ11C
D336	23316672	DIODE, ZENER, MTZJ5.6B
D337	23316672	DIODE, ZENER, MTZJ5.6B
D370	23118479	DIODE, BYD33J
D371	23118479	DIODE, BYD33J
D373	23118519	DIODE, ZENER, RD8.2ES
D374	23115599	DIODE, 1N4148
D404	23224366	DIODE, FMQ-3GU
D404B	72471082	SCREW, 3X10MM
D406	23118479	DIODE, BYD33J
D415	23118094	DIODE, EU2A
D418	23316749	DIODE, ZENER, MTZJ30A
D419	23316691	DIODE, ZENER, MTZJ10C
D420	23316682	DIODE, ZENER, MTZJ7.5C
D421	23316680	DIODE, ZENER, MTZJ7.5A
D422	23316726	DIODE, ZENER, MTZJ15C
D431	23316669	DIODE, ZENER, MTZJ5.1B
D432	23316670	DIODE, ZENER, MTZJ5.1C
D436	23115599	DIODE, 1N4148
D441	23316687	DIODE, ZENER, MTZJ9.1B
D442	23118094	DIODE, EU2A
D462	23115599	DIODE, 1N4148
D467	23118479	DIODE, BYD33J
D470	23316670	DIODE, ZENER, MTZJ5.1C
D474	23316719	DIODE, ZENER, MTZJ12B
D490	23115599	DIODE, 1N4148
D502	23118041	DIODE, MA111
D506	23316673	DIODE, ZENER, MTZJ5.6C
D511	23357037	DIODE, ZENER, UDZS5.6B
D514	23357037	DIODE, ZENER, UDZS5.6B
D515	23357037	DIODE, ZENER, UDZS5.6B
D520	23316647	DIODE, ZENER, MTZJ2.0B
D611	23118041	DIODE, MA111
D612	23118041	DIODE, MA111
D613	23118041	DIODE, MA111
D614	23118041	DIODE, MA111
D670	23118041	DIODE, MA111
D671	23118041	DIODE, MA111
D674	23118041	DIODE, MA111
D675	23118041	DIODE, MA111
D704	23115599	DIODE, 1N4148
D705	23115599	DIODE, 1N4148
D715	23115599	DIODE, 1N4148
D721	23115599	DIODE, 1N4148
D801	23357041	DIODE, LN6SB60-F05
D803	23316672	DIODE, ZENER, MTZJ5.6B

Location No.	Parts No.	Description
D805	23357012	DIODE, 1SS244
D806	23118479	DIODE, BYD33J
D807	23316746	DIODE, ZENER, MTZJ27B
D817	23316754	DIODE, ZENER, MTZJ33B
D840	23316711	DIODE, S1WBA60
D842	23316724	DIODE, ZENER, MTZJ15A
D844	23316686	DIODE, ZENER, MTZJ9.1A
D845	23115599	DIODE, 1N4148
D855	23115599	DIODE, 1N4148
D871	23118479	DIODE, BYD33J
D883	23118338	DIODE, RU4AM LF-K2
D885	23118052	DIODE, RU4Z LF-L1
D891	23316463	DIODE, RK46
D892	23118052	DIODE, RU4Z LF-L1
D893	23316673	DIODE, ZENER, MTZJ5.6C
D894	23316673	DIODE, ZENER, MTZJ5.6C
D901	23115599	DIODE, 1N4148
D904	23115599	DIODE, 1N4148
D905	23115599	DIODE, 1N4148
D906	23115599	DIODE, 1N4148
D907	23115599	DIODE, 1N4148
D908	23115599	DIODE, 1N4148
D909	23115599	DIODE, 1N4148
D911	23118479	DIODE, BYD33J
D4410	23115599	DIODE, 1N4148
D4411	23115599	DIODE, 1N4148
D4412	23115599	DIODE, 1N4148
DA42	23316673	DIODE, ZENER, MTZJ5.6C
DB02	23358564	LED, LAMP RED, SLR-56VC3FPQ
DB03	23358563	LED, LAMP GREEN, SLR-56MC3FPQR
DB30	23115599	DIODE, 1N4148
DR01	23118041	DIODE, MA111
DR02	23118041	DIODE, MA111
DR03	23118041	DIODE, MA111
DR12	23357172	DIODE, ZENER, UDZS10B
DR13	23357172	DIODE, ZENER, UDZS10B
DR14	23357172	DIODE, ZENER, UDZS10B
DR70	23357037	DIODE, ZENER, UDZS5.6B
DS09	23118041	DIODE, MA111
DS11	23118041	DIODE, MA111
DS12	23118041	DIODE, MA111

MISCELLANEOUS

B221	23037312	SCREW, BTBW3X12SZN
B224	23037312	SCREW, BTBW3X12SZN
BB15A	23902749	CONNECTOR, B-B, 6P
BB15B	23368517	CONNECTOR, B-B, 6P
BB16A	23903022	CONNECTOR, BASE B-B 8P 2.5 JST
BB21A	23713014	CONNECTOR, BRIDGE PLUG 16P 1.5
BB21B	23713013	BASE SOCKET 16P 1.5
BB22A	23368517	CONNECTOR, B-B, 6P
BB22B	23902749	CONNECTOR, B-B, 6P
BB23A	23713014	CONNECTOR, BRIDGE PLUG 16P 1.5
BB23B	23713013	BASE SOCKET 16P 1.5
⚠ F470	23144503	FUSE, CARTRIDGE 5.2X20, 250V 1.25A
F470A	23165433	FUSE HOLDER, 5.2 SOC
⚠ F801	23144508	FUSE, CARTRIDGE 5.2X20, 250V 4.0A
F801A	23165433	FUSE HOLDER, 5.2 SOC
⚠ F802	23144506	FUSE, CARTRIDGE 5.2X20, 250V 2.5A
F802A	23165433	FUSE HOLDER, 5.2 SOC
⚠ F889	23144458	FUSE, 5.0A 250V
F889A	23165433	FUSE HOLDER, 5.2 SOC
G299	24366103	CARBON FILM, 1/6W 10K OHM J
G312	24366223	CARBON FILM, 1/6W 22K OHM J
G401	23103894	FILTER, FERRITE BEAD, TEM2011AW
G404	23103894	FILTER, FERRITE BEAD, TEM2011AW
G443	23115599	DIODE, 1N4148

Location No.	Parts No.	Description
G484	24591152	PLASTIC FILM, 50V 1500PF J
G601	24000445	CHIP JUMPER, 1608TYPE
G602	24000445	CHIP JUMPER, 1608TYPE
G603	24000445	CHIP JUMPER, 1608TYPE
G604	24000445	CHIP JUMPER, 1608TYPE
G684	23118041	DIODE, MA111
GA37	23103828	INDUCTOR, BEAD, TEM2121M
GA38	23103828	INDUCTOR, BEAD, TEM2121M
GA76	24366103	CARBON FILM, 1/6W 10K OHM J
GC01	24000445	CHIP JUMPER, 1608TYPE
GC02	24000445	CHIP JUMPER, 1608TYPE
GC03	24000445	CHIP JUMPER, 1608TYPE
GC04	24000445	CHIP JUMPER, 1608TYPE
GJ03	24000445	CHIP JUMPER, 1608TYPE
GJ04	24000445	CHIP JUMPER, 1608TYPE
GJ05	24000445	CHIP JUMPER, 1608TYPE
GJ08	24000445	CHIP JUMPER, 1608TYPE
GJ09	24000445	CHIP JUMPER, 1608TYPE
GJ11	24000445	CHIP JUMPER, 1608TYPE
GJ30	24000445	CHIP JUMPER, 1608TYPE
GJ44	24000445	CHIP JUMPER, 1608TYPE
GJ46	24000445	CHIP JUMPER, 1608TYPE
GJ48	24000445	CHIP JUMPER, 1608TYPE
GJ49	24000445	CHIP JUMPER, 1608TYPE
GJ50	24000445	CHIP JUMPER, 1608TYPE
GJ51	24000445	CHIP JUMPER, 1608TYPE
GJ59	24000445	CHIP JUMPER, 1608TYPE
GJ63	24000445	CHIP JUMPER, 1608TYPE
GJ75	24000445	CHIP JUMPER, 1608TYPE
GJ76	24000445	CHIP JUMPER, 1608TYPE
GJ77	24000445	CHIP JUMPER, 1608TYPE
GJ78	24000445	CHIP JUMPER, 1608TYPE
GJ90	24000445	CHIP JUMPER, 1608TYPE
GT03	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
GT04	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
GT05	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
GT07	24000445	CHIP JUMPER, 1608TYPE
GT09	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
GV03	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
GV04	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
GV05	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
GV06	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
GV35	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
GV42	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
H002	23148745	MODULE, NICAM/IGR A-PRO, MPSN11C
HX01	23148021	SCAN CONVERTER MODUL, DFS
KB01	23000852	IC, REMOCON RECEIVER, PIC-37043TE2
P661	23363607	JACK, HEAD PHONE, 3.5MM
⚠ P801	23372052	POWER CORD, 250V2.5A
⚠ P801	23372151	POWER CORD, AC250V3A L/FUSE13A GB13F1 FUSE13A
P801A	23368013	CONNECTOR, PLUG, 2P 11.88MM W VT-JST
P821A	23368013	CONNECTOR, PLUG, 2P 11.88MM W VT-JST
P821B	23368013	CONNECTOR, PLUG, 2P 11.88MM W VT-JST
P831A	23368013	CONNECTOR, PLUG, 2P 11.88MM W VT-JST
P831B	23368013	CONNECTOR, PLUG, 2P 11.88MM W VT-JST
PF01	23902655	CONNECTOR, 15P
PH02	23365598	21 PIN CONNECTOR 2100RFT 21 PIN C0NNECT0R
PT01	23367724	CONNECTOR, B-B, 15P
PV01	23023008	JACK, PIN JACK 0S7P ICE
⚠ S801	23344416	SWITCH, POWER PUSH 2C1P ESB92D21B

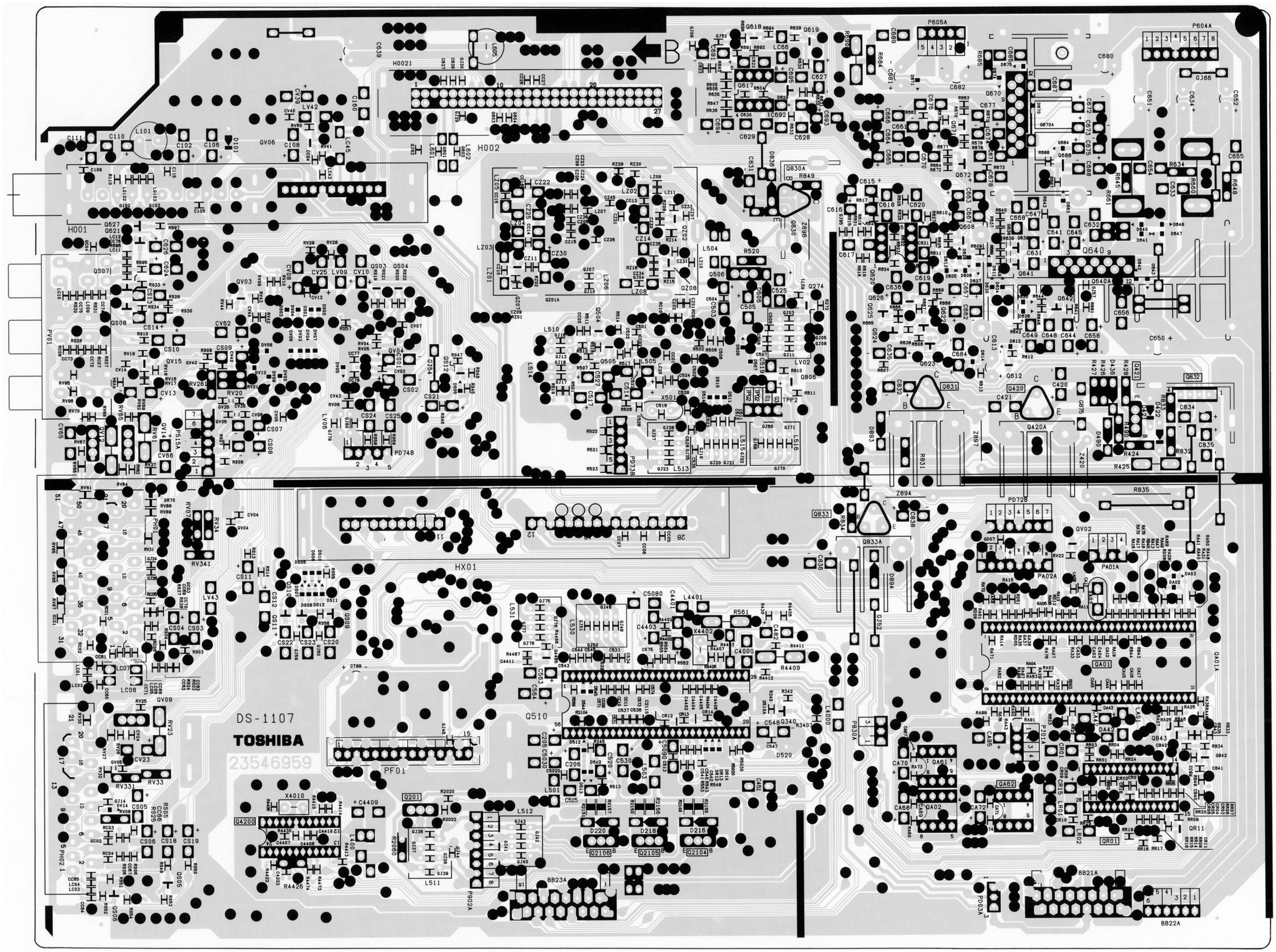
Location No.	Parts No.	Description
SA01	23145430	SWITCH, PUSH, SKHHLMA010
SA02	23145430	SWITCH, PUSH, SKHHLMA010
SA03	23145430	SWITCH, PUSH, SKHHLMA010
SA04	23145430	SWITCH, PUSH, SKHHLMA010
SA05	23145430	SWITCH, PUSH, SKHHLMA010
⚠ SR82	23146574	RELAY, DLS5D1-O(M) 0.15W
⚠ SR83	23146570	RELAY, DC12V, 2M OMR, G5PA-2 DC12
⚠ V901A	23903150	SOCKET, ISHL46A-E ICE 29MM
W661	23351143	SPEAKER, 60X120 8-OHM 10W SPK1400
W662	23351143	SPEAKER, 60X120 8-OHM 10W SPK1400
X4010	23153721	CERAMIC RESONATOR, 503KHZ
X4402	23153721	CERAMIC RESONATOR, 503KHZ
X501	23153438	CRYSTAL, 16.200 25PPM 25OHM
XA03	23153394	CRYSTAL, 16.000000MHZ AT-51
XT01	23153930	CRYSTAL, 12.000 25PPM 40OHM 7PF
Z404	23144536	PROTECTOR, 491SERIES, 125V 1A
Z420	23144539	PROTECTOR, 491SERIES, 125V 2A
Z463	23144536	PROTECTOR, 491SERIES, 125V 1A
Z871	23144543	PROTECTOR, 491SERIES, 125V 5A
Z890	23144543	PROTECTOR, 491SERIES, 125V 5A
Z891	23144543	PROTECTOR, 491SERIES, 125V 5A
Z894	23144539	PROTECTOR, 491SERIES, 125V 2A
Z897	23144539	PROTECTOR, 491SERIES, 125V 2A
PC BOARD ASSEMBLIES		
* U104	23786696	TEXT-P2 BOARD, PD0267
* U901	23787225	CRT-D BOARD, PD0491A
* U902	23787226	SIGNAL BOARD, PD0492A
* U903A	23787227	POWER BOARD, PD0493A-1
* U903B	23787230	CONT-2 BOARD, PD0493A-2
* U903C	23787231	INDICATOR BOARD, PD0493A-3
* U904	23787228	DEF BOARD, PD0494A
* U905	23787229	CONT-1 BOARD, PD0515A
PICTURE TUBE		
⚠ V901	23312964	PICTURE TUBE, W76LTL350X94
TUNER		
H001	23321398	TUNER, EURO IF ALPS, TADF4-003A
ACCESSORIES		
K902	23306435	REMOCON HAND UNIT IR, CTVPAL CT-90101
⚠ Y101A	23565588	OWNER'S MANUAL, ENGLISH, 32ZD26P
⚠ Y101B	23565589	OWNER'S MANUAL, FRENCH, 32ZD26P
⚠ Y101C	23565590	OWNER'S MANUAL, GERMAN, 32ZD26P
⚠ Y101D	23565591	OWNER'S MANUAL, ITALIAN, 32ZD26P
⚠ Y101E	23565592	OWNER'S MANUAL, SPANISH, 32ZD26P
⚠ Y101F	23565593	OWNER'S MANUAL, PORTUGUES, 32ZD26P
⚠ Y101G	23565594	OWNER'S MANUAL, DANISH, 32ZD26P
⚠ Y101H	23565595	OWNER'S MANUAL, SWEDISH, 32ZD26P
⚠ Y101J	23565596	OWNER'S MANUAL, FINNISH, 32ZD26P
⚠ Y101K	23565597	OWNER'S MANUAL, DUTCH, 32ZD26P
⚠ Y101L	23565598	OWNER'S MANUAL, POLISH, 32ZD26P
⚠ Y101M	23565599	OWNER'S MANUAL, TURKISH, 32ZD26P
⚠ Y101N	23565600	OWNER'S MANUAL, NORWEGIAN, 32ZD26P
CABINET PARTS		
⚠ A201S	23530205	COVER, FRONT COVER FOR SE
A214	23035412	SCREW, BTB4X12SZN
A221	23035412	SCREW, BTB4X12SZN
A222	23035412	SCREW, BTB4X12SZN
A223	23037312	SCREW, BTBW3X12SZN
A225	23035412	SCREW, BTB4X12SZN
A231	23445607	BUTTON, BUTTON (POWER)

Location No.	Parts No.	Description
A236	23527208	GRILLE, SPEAKER GRILLE 32
A241	70368125	PUSH CATCH
A242	23428067	DOOR, DOOR PROPER 32ZD26P
A243	23445606	BUTTON, BUTTON (CONTROL)
A245	23037312	SCREW, BTBW3X12SZN
A247	23037312	SCREW, BTBW3X12SZN
A248	23035412	SCREW, BTB4X12SZN
A249	23035412	SCREW, BTB4X12SZN
⚠ A401	23530210	COVER, BACK COVER PROPER
A413	23035412	SCREW, BTB4X12SZN
A701	23064789	CARTON, CARTON 32ZD26P
A702	23946346	PACKING, BOTTOM PACKING 3
A703	23946347	PACKING, TOP PACKING 32ZD

Location No.	Parts No.	Description

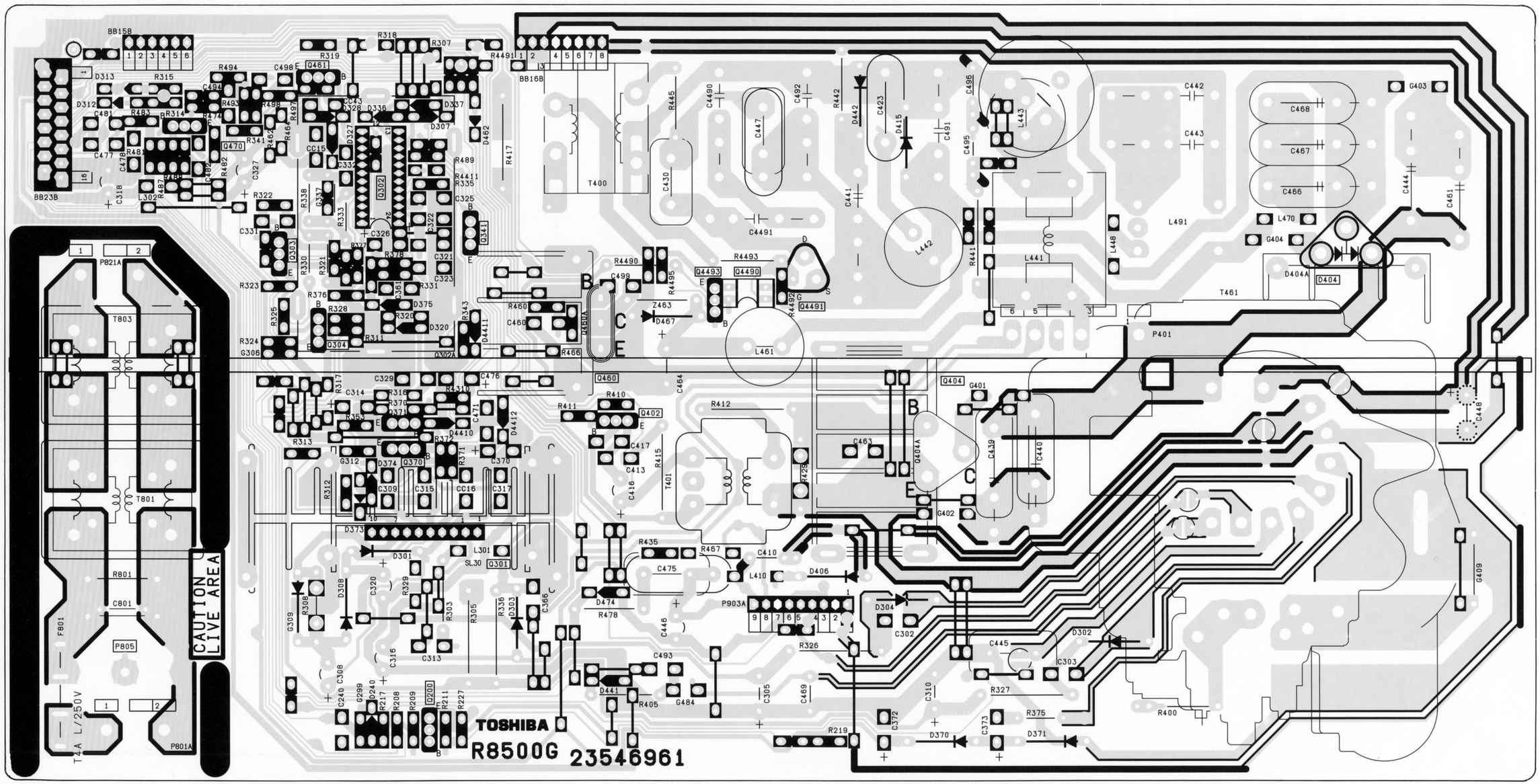
SIGNAL BOARD PD0492A

BOTTOM (FOIL) SIDE



DEF BOARD PD0494A

BOTTOM (FOIL) SIDE

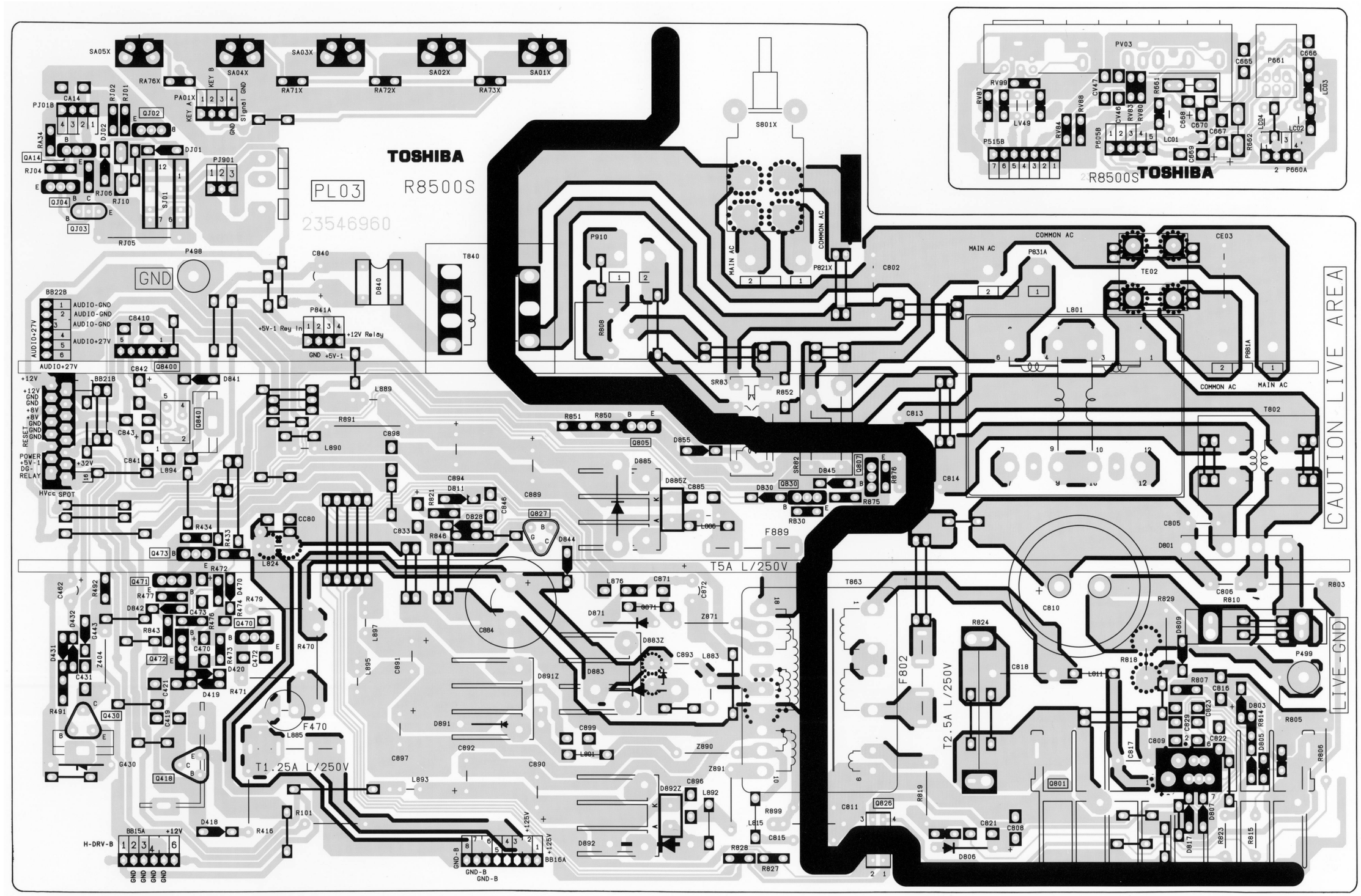


POWER BOARD PD0493A-1

BOTTOM (FOIL) SIDE

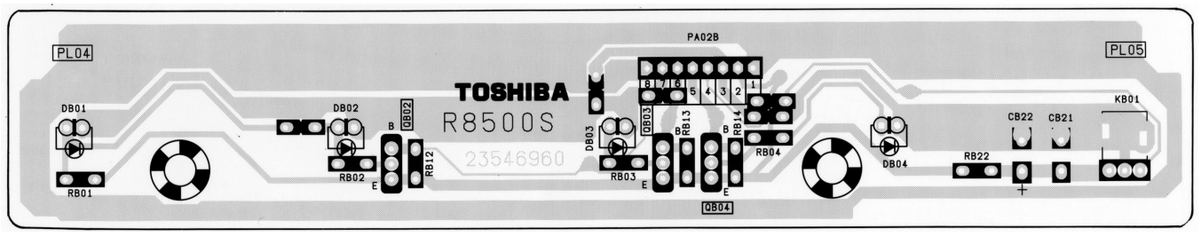
CONT-2 BOARD PD0493A-2

BOTTOM (FOIL) SIDE



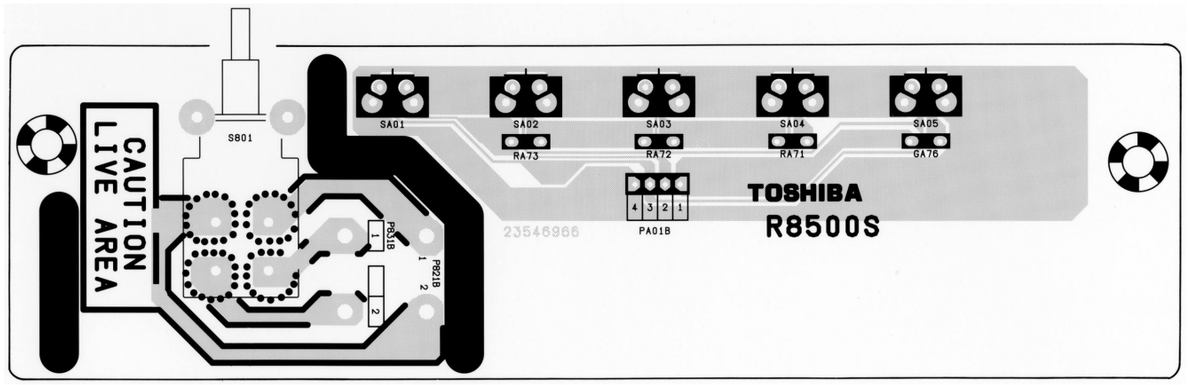
INDICATOR BOARD PD00493A-3

BOTTOM (FOIL) SIDE



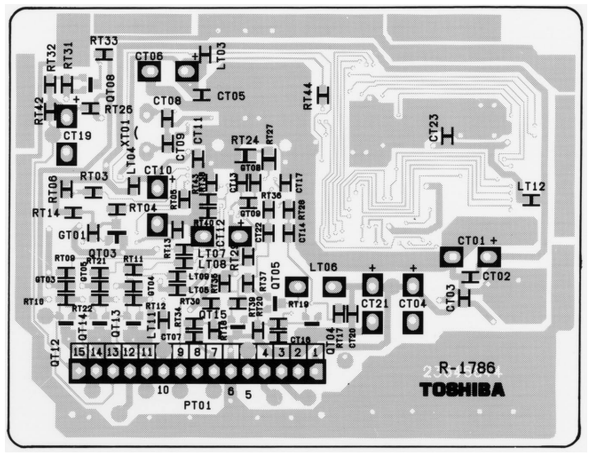
CONT-1 BOARD PD0515A

BOTTOM (FOIL) SIDE



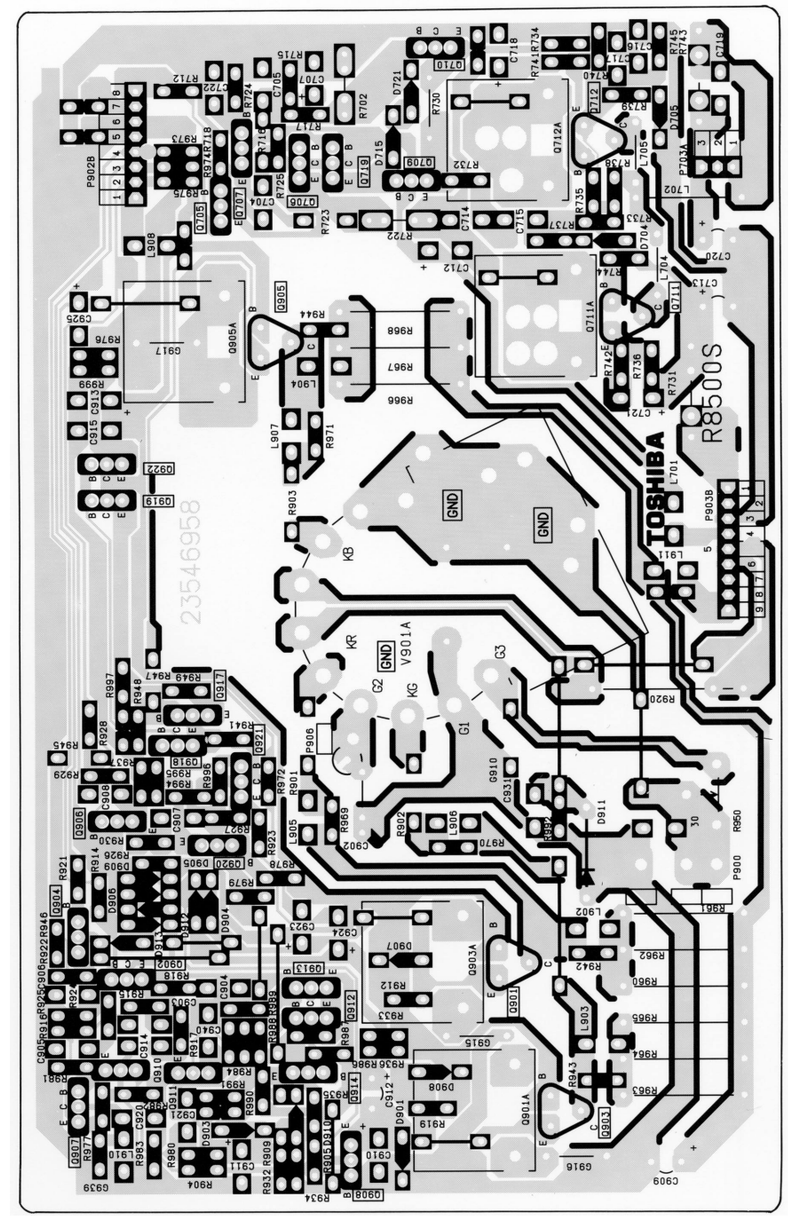
TEXT-P2 BOARD PD0267

BOTTOM (FOIL) SIDE



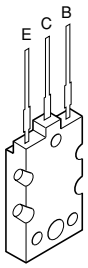
CRT-D BOARD PD0491A

BOTTOM (FOIL) SIDE

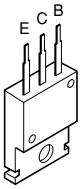


TERMINAL VIEW OF TRANSISTORS

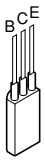
① 2SD2253
(old)
2SC5243
2SC5570



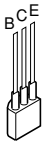
② 2SC3852
2SD1763A
2SC1569
2SC4544
2SA1788
2SA1306
2SA1186A



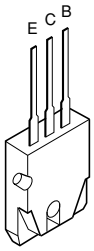
③ 2SC752GTM
2SC2482
2SC2655
2SC4721P



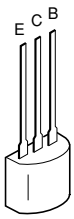
④ 2SC752
2SA562TM
2SA1015
2SC1815
2SC2878
2SC1740S
2SC2120
2SA9335



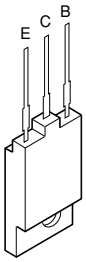
⑤ 2SA1788



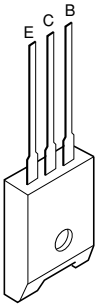
⑥ RN2203
RN2201
RN2004
RN1203
RN1204
RN2204
RN1205
RN1202
RN1201



⑦ 2SD1554
2SD2253
2SD1556
2SC5143
2SD2553



⑧ ON4409



SCHEMATIC DIAGRAM

MODEL : 32ZD26P

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON THE MANUAL FOR THIS MODEL.

CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on the MANUAL for this model. Do not degrade the safety of the receiver through improper servicing.

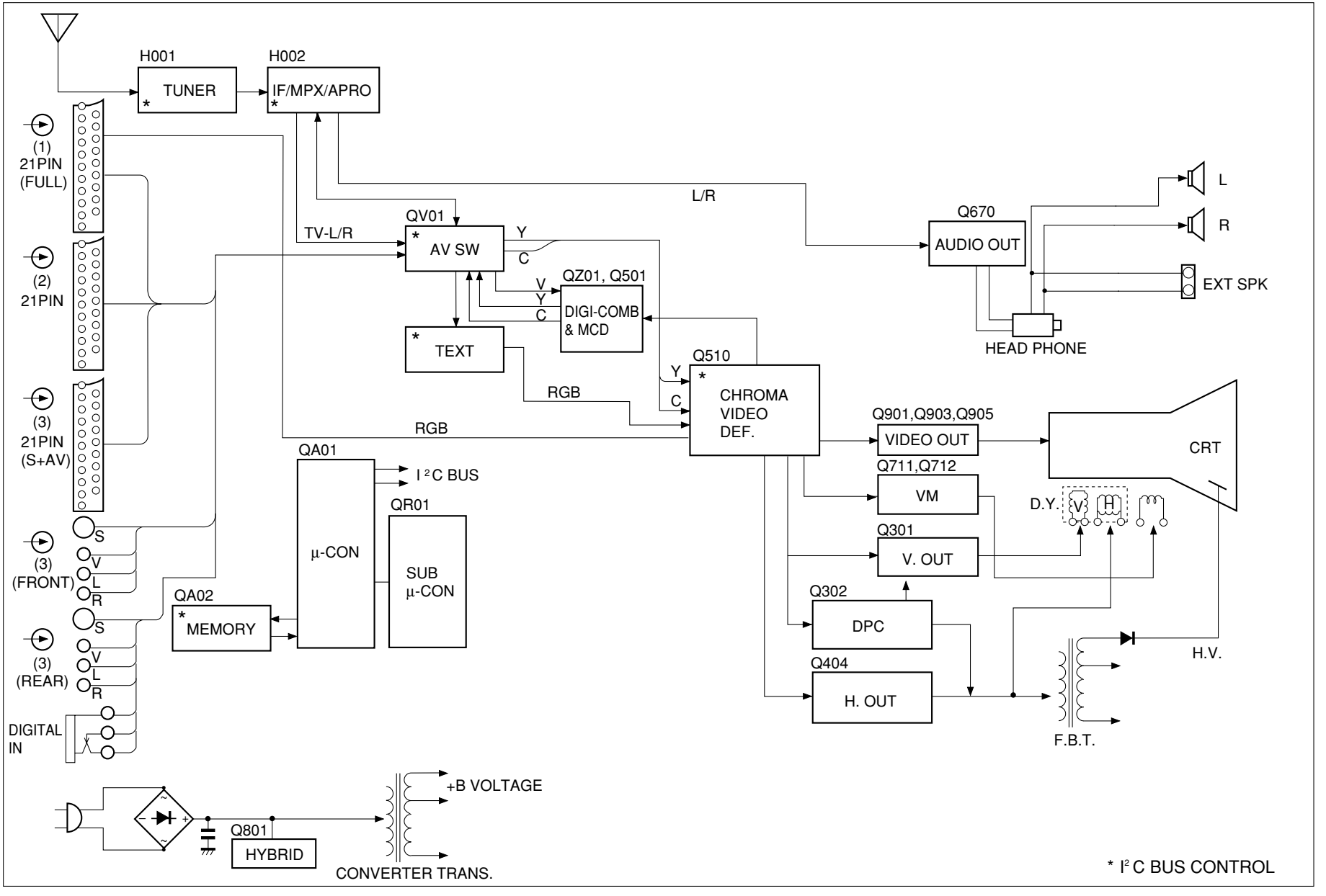
NOTE:

1. RESISTOR Resistance is shown in ohm [K = 1.000, M = 1.000.000]. All resistors are 1/6W and 5% tolerance carbon resistor, unless otherwise noted as the following marks.
   1/2R = Metal or Metal oxide of 1/2 watt 1/2S = Carbon compsistion of 1/2 watt
   1RF = Fuse resistor of 1 watt 10W = Cement of 10 watt
   K = ±10% G = ±2% F = ±1%
2. CAPACITOR Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in μF, and the values more than 1 in pF.
   All capacitors are ceramic 50V, unless otherwise noted as the following marks.
   —|(+)|— Electolytic capacitor —|(M)|— Mylar capacitor
3. The parts indicated with " ⚠ " have special characteristics, and should be replaced with identical parts only.
4. Voltages read with DIGITAL MULTI-METER from point indicated to chassing ground, using a color bar signal with all controls at normal, line voltage 220 volts.
5. Waveforms are taken receiving color bar signal with enough sensitivity.
6. Voltage reading shown are nominal values and may vary ±20% except H.V.

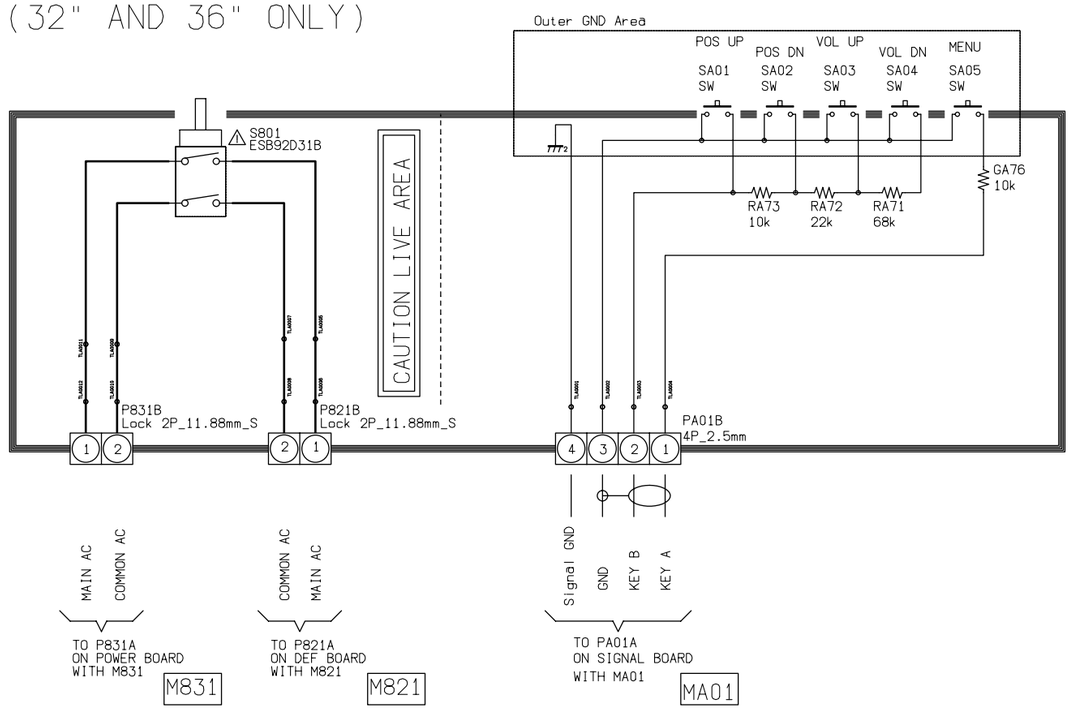
■ **SCHEMATIC DIAGRAM STRUCTURE:**

- CONT-1 Circuit
- CRT-D Circuit
- DEF Circuit
- POWER / CONT-2 / INDICATOR Circuit
- SIGNAL Circuit

CIRCUIT BLOCK DIAGRAM



U905 PW UNIT CONT-1 BAORD PB0515A
(32" AND 36" ONLY)

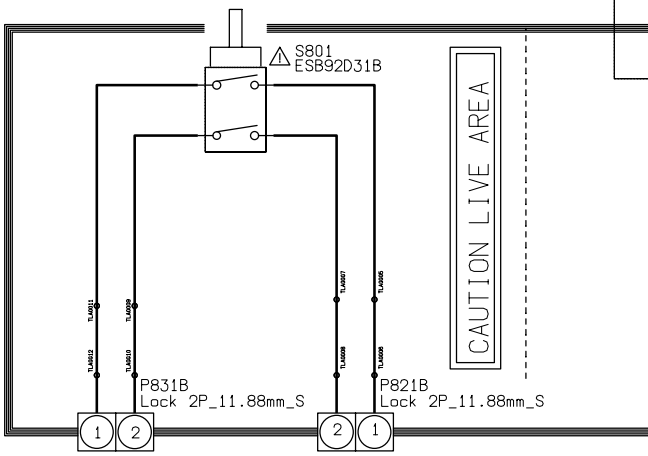


CONT-1
32ZD26P

A

B

U905 PW UNIT CONT-1 BAORD P
(32" AND 36" ONLY)



MAIN AC
COMMON AC

TO P831A
ON POWER BOARD
WITH M831

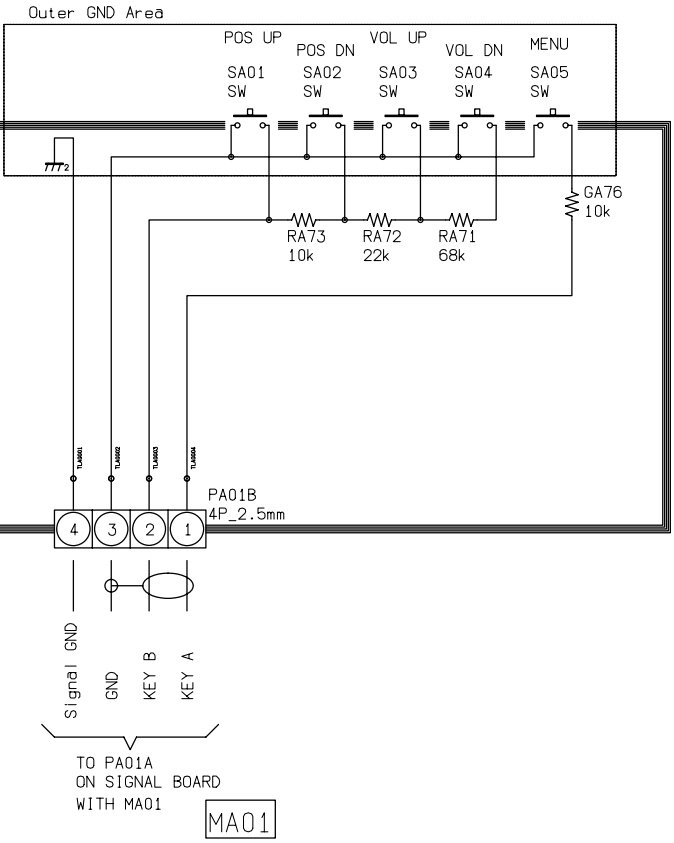
M831

COMMON AC
MAIN AC

TO P821A
ON DEF BOARD
WITH M821

M821

PB0515A



A

B

CONT-1

32ZD26P

U901 CRT-D BAORD PB0491A

104Vp-p

102Vp-p

103Vp-p

V901
W76LTL350X94 :32"
FLAT WIDE CPT

M902

TO P902A ON SIGNAL BOARD WITH M902

P902B 8P_2.5mm

M903

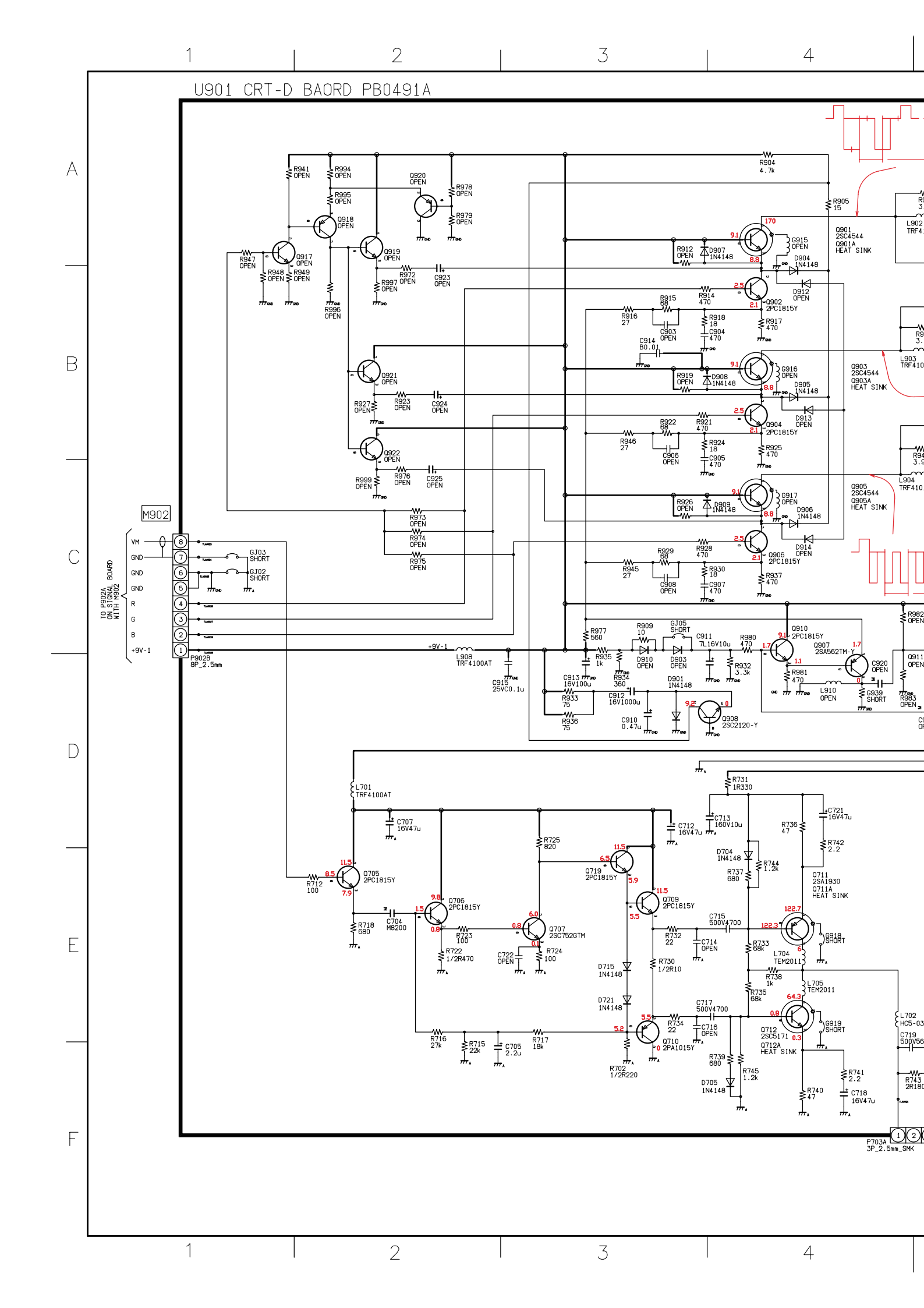
TO M903A ON DEF BOARD WITH M903

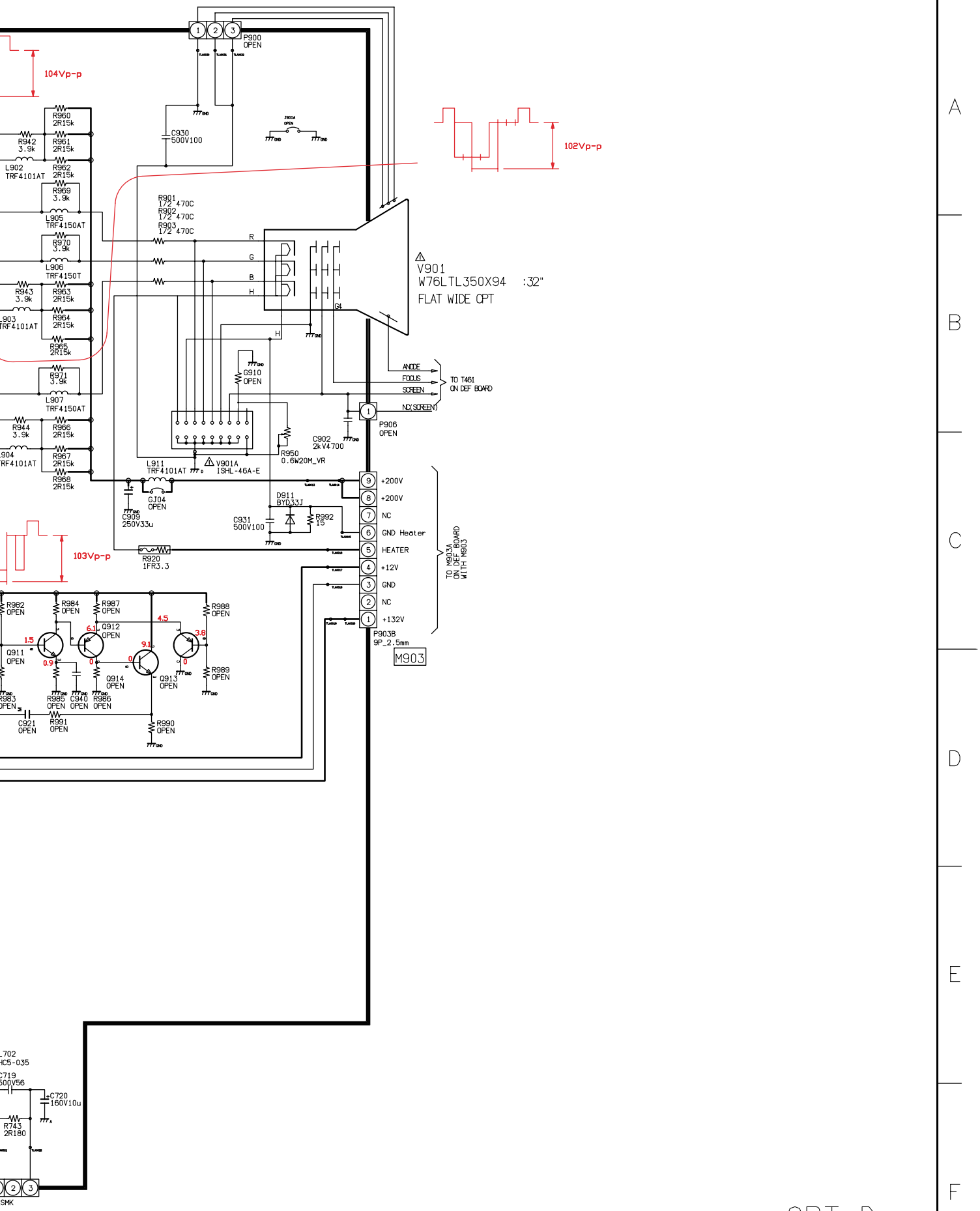
P903B 9P_2.5mm

TO T461 ON DEF BOARD

P703A 3P_2.5mm_SMK

CRT-D
32ZD26P


U901 CRT-D BAORD PB0491A
M902
TO P902A ON SIGNAL BOARD WITH M902
P902B 8P_2.5mm
P703A 3P_2.5mm_SMK
Q901 2SC4544 Q901A HEAT SINK
Q903 2SC4544 Q903A HEAT SINK
Q905 2SC4544 Q905A HEAT SINK
Q711 2SA1930 Q711A HEAT SINK
Q712A HEAT SINK



CRT-D
32ZD26P

U904 PW UNIT DEF BOARD PB0494A

TO B823A
ON SIGNAL BOARD
WITH B-B CONNECTOR

B823B
8B 16P SOCKET

50V(p-pXV)

1.3V(p-pXV)

1050Vp-pXHO

270Vp-pXHO

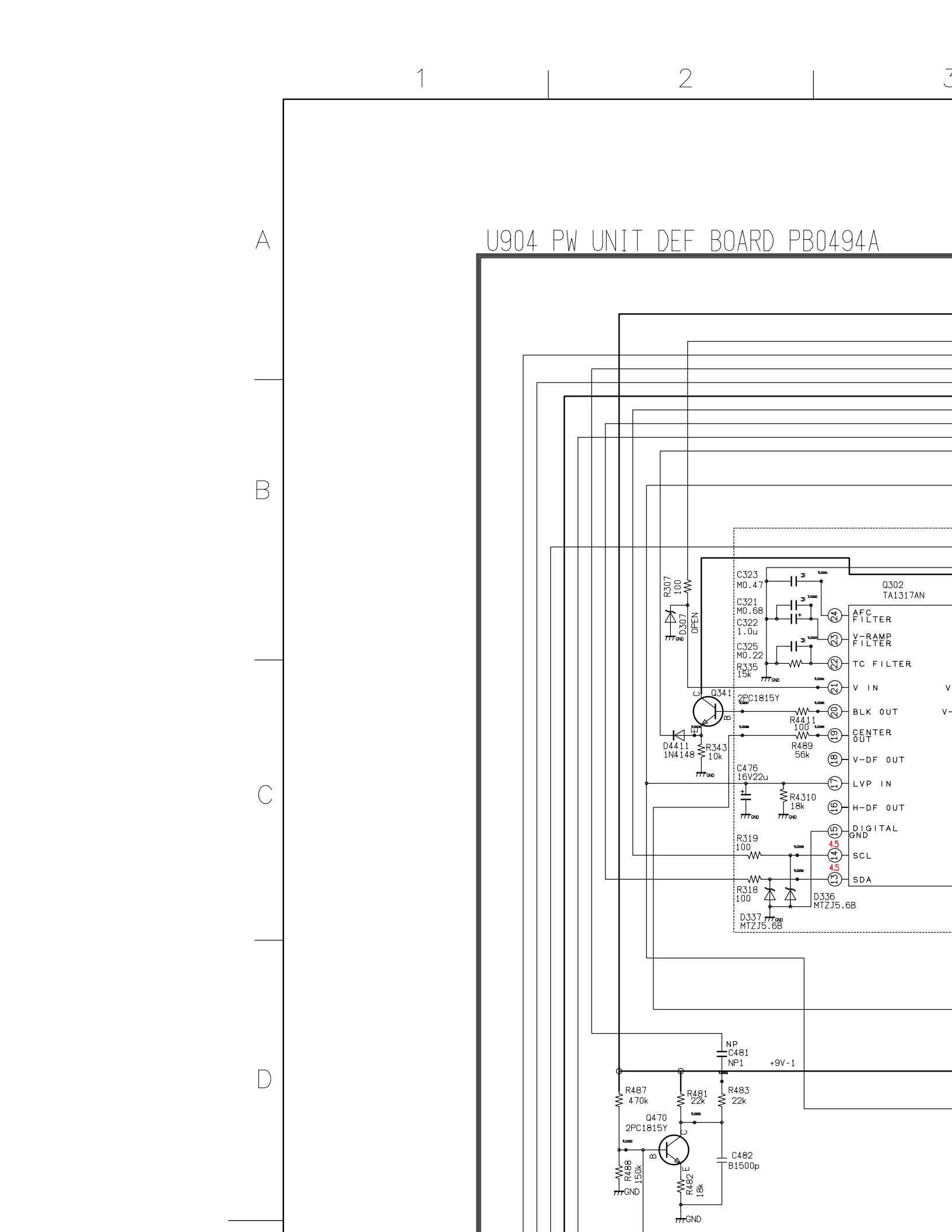
TO V901 CPT ANODE
32inch and 28inch only

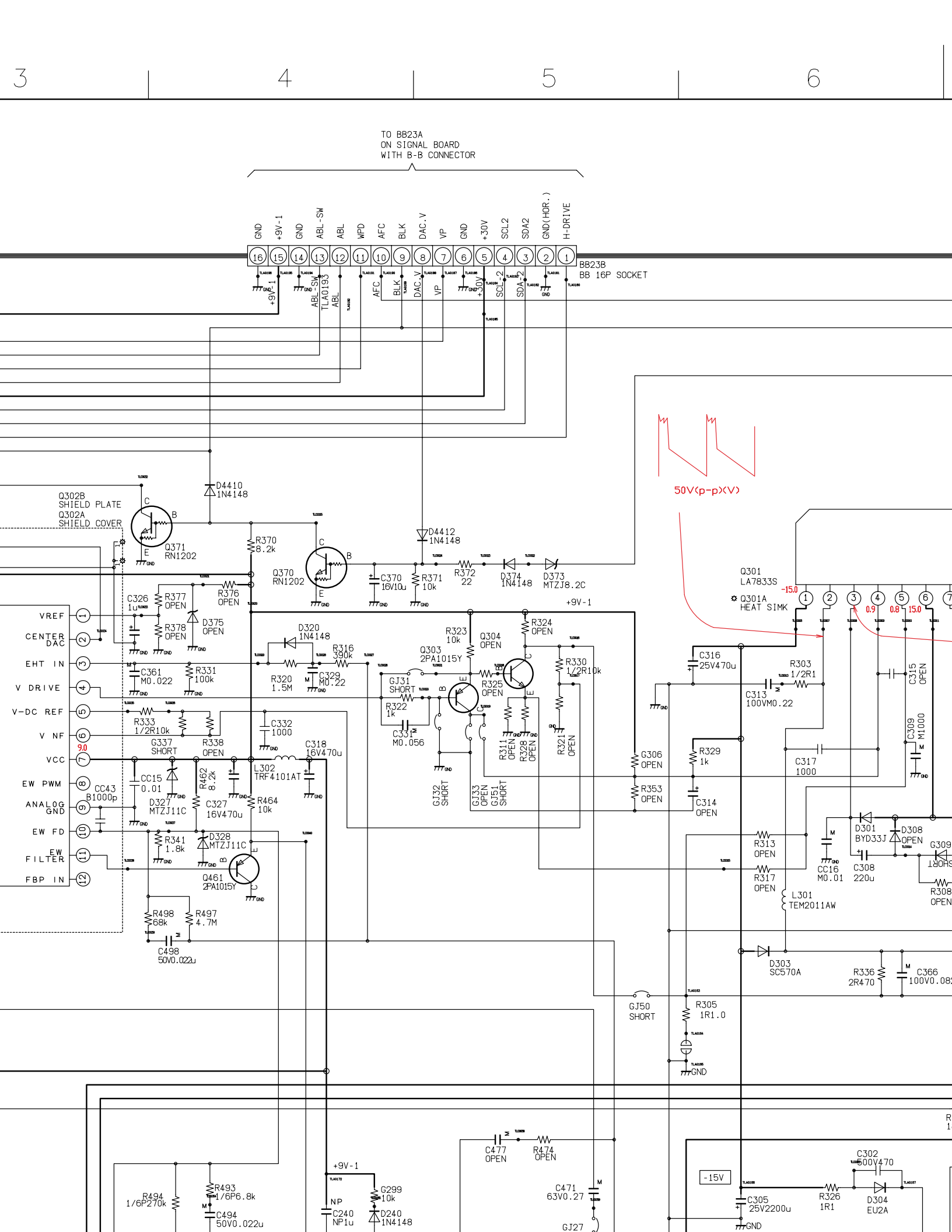
FOCUS

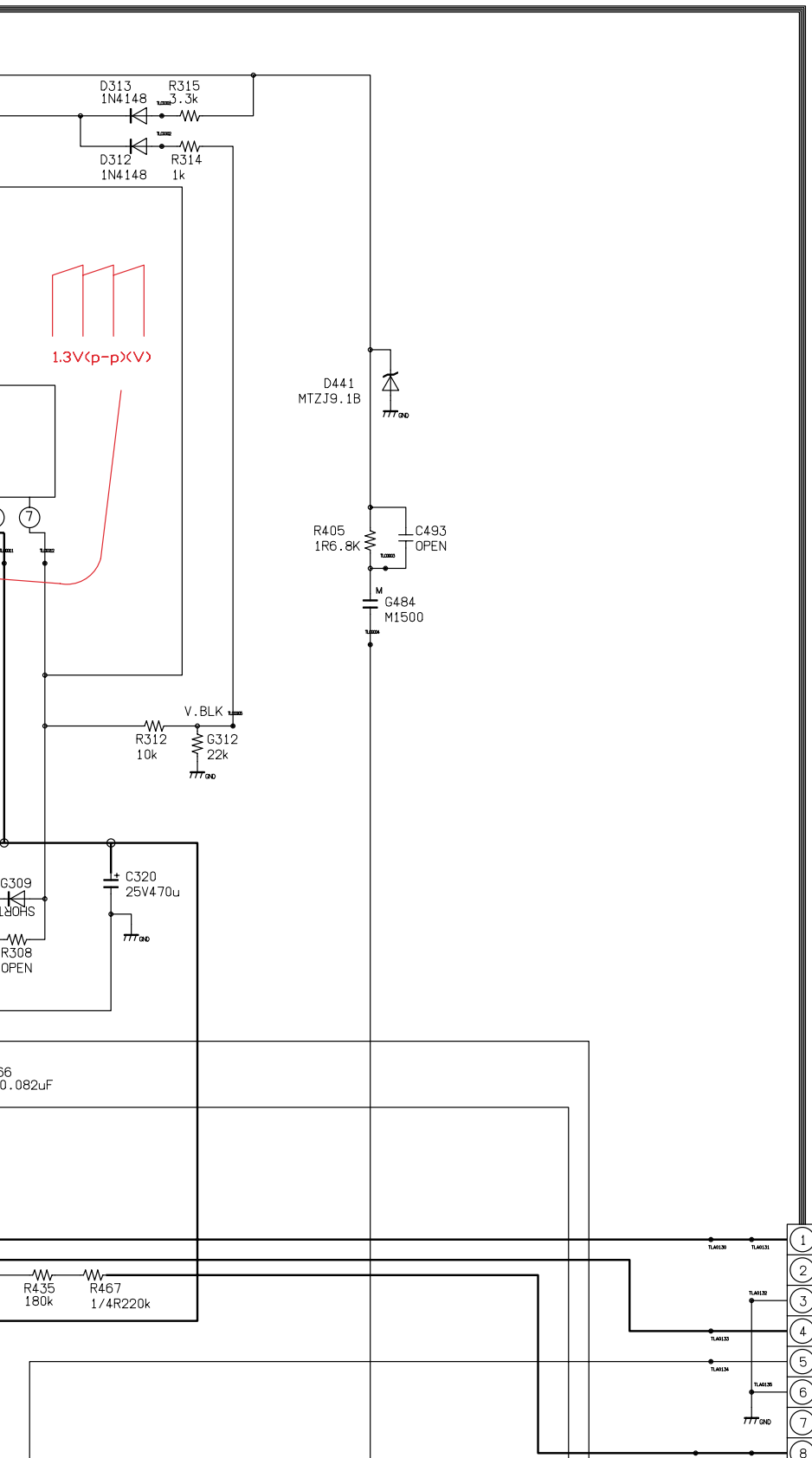
SCREEN

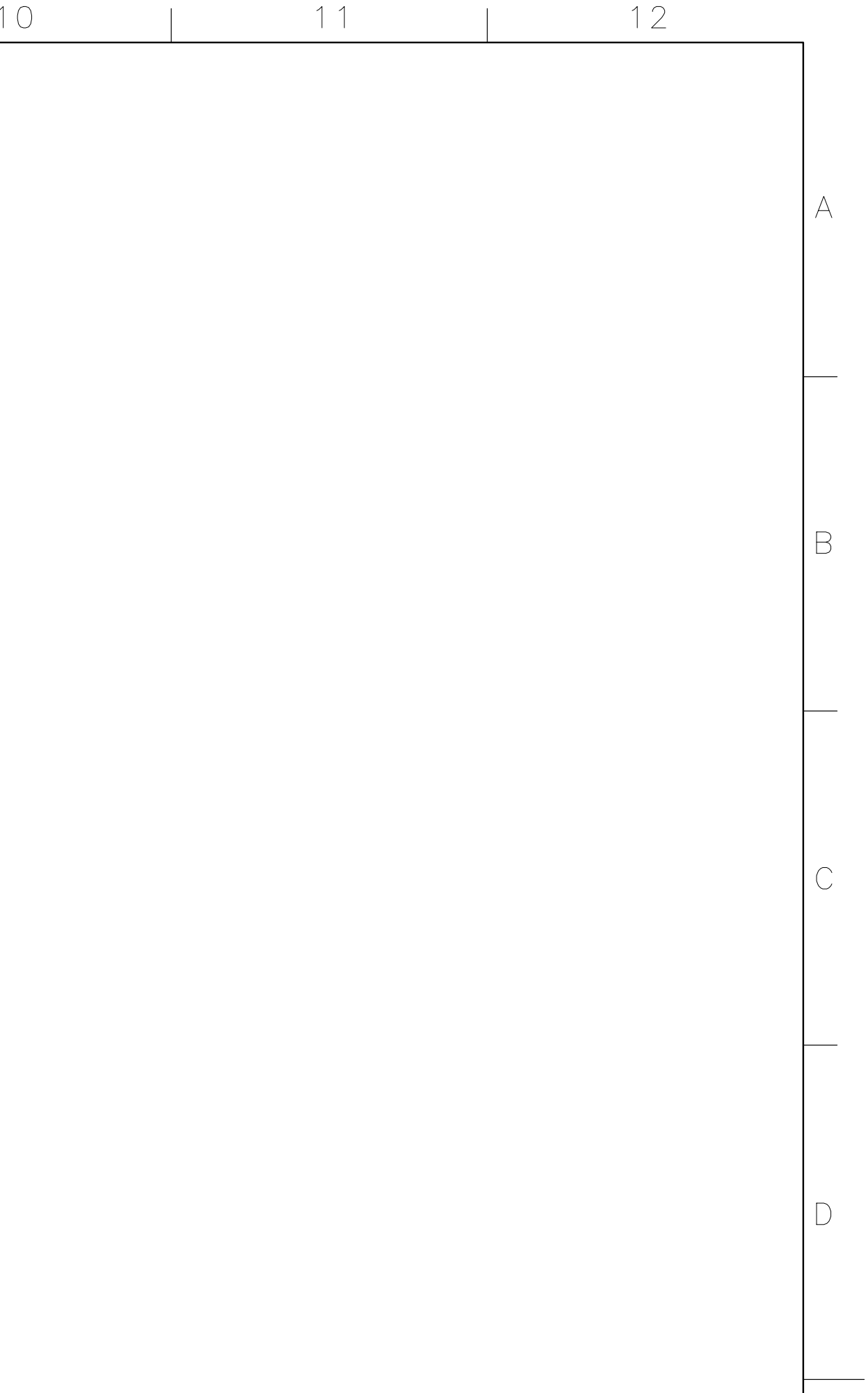
TO DEF-S BOARD

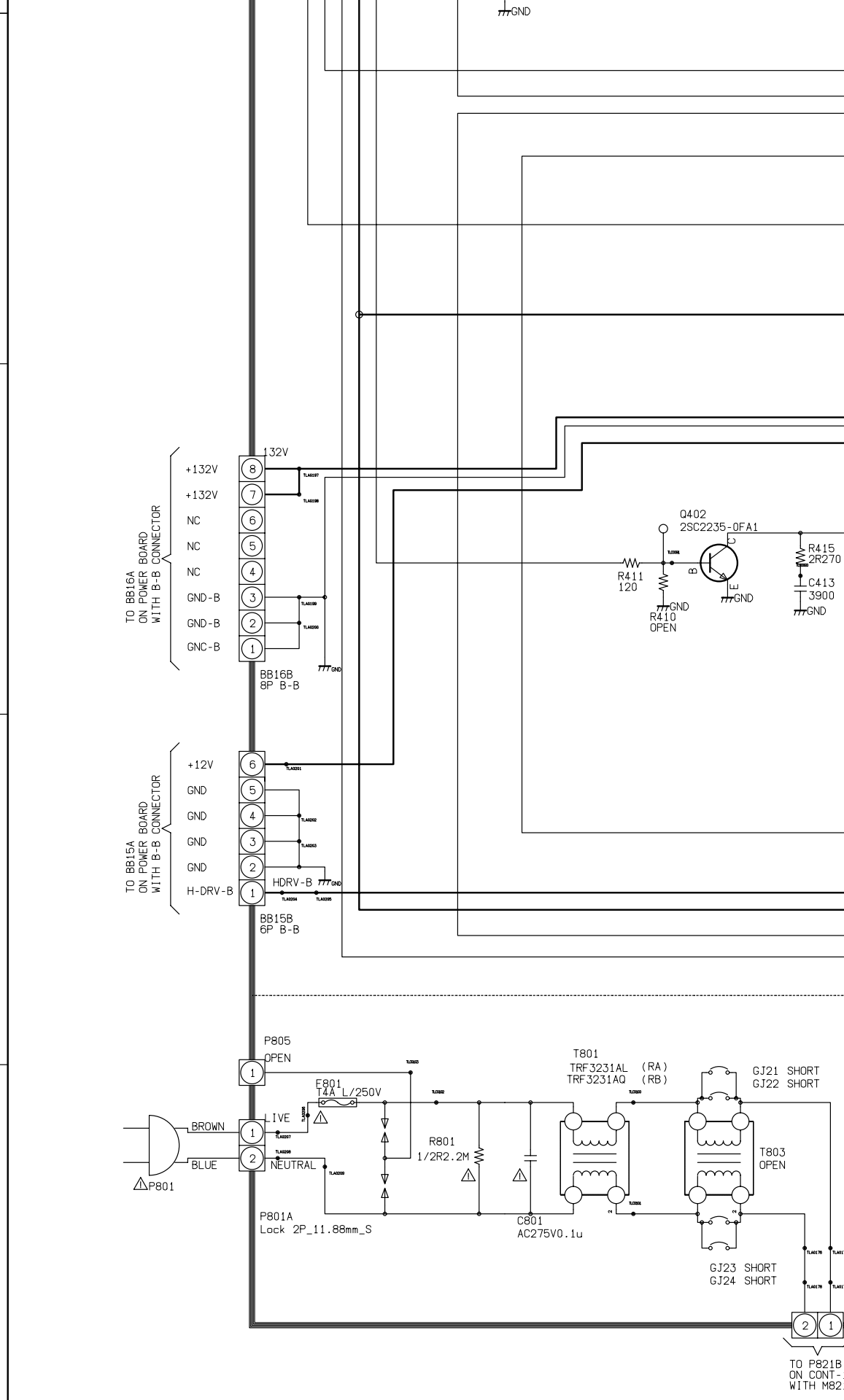
DEF
32ZD26P

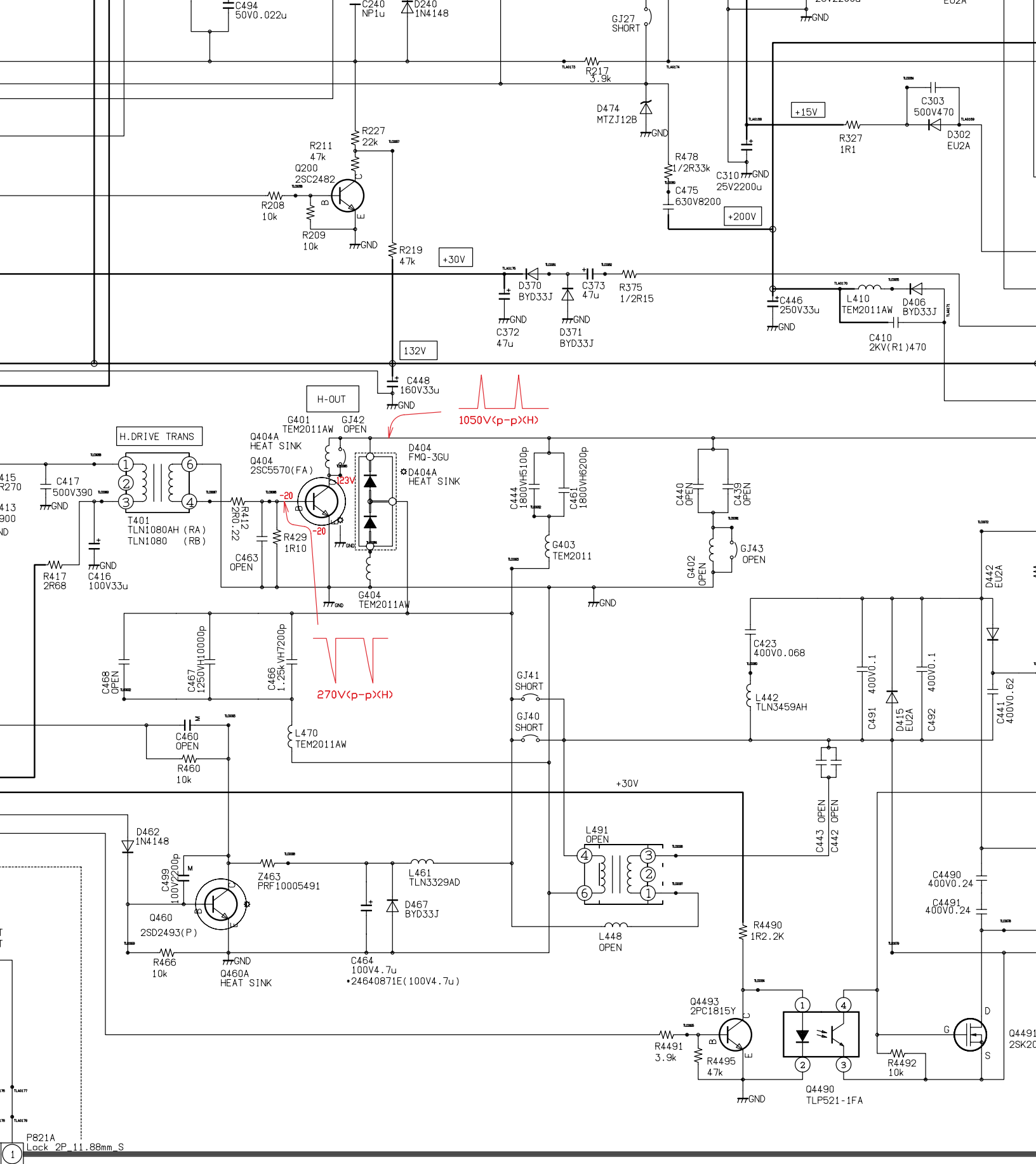

1
2
A
B
C
D
U904 PW UNIT DEF BOARD PB0494A
R307
100
D307
OPEN
C323
M0.47
C321
M0.68
C322
1.0u
C325
M0.22
R335
15k
Q302
TA1317AN
AFC
FILTER
V-RAMP
FILTER
TC FILTER
V IN
BLK OUT
CENTER
OUT
V-DF OUT
LVP IN
H-DF OUT
DIGITAL
GND
SCL
SDA
Q341
2PC1815Y
R4411
100
R489
56k
D4411
1N4148
R343
10k
C476
16V22u
R4310
18k
R319
100
4.5
4.5
R318
100
D336
MTZJ5.6B
D337
MTZJ5.6B
NP
C481
NP1
+9V-1
R487
470k
R481
22k
R483
22k
Q470
2PC1815Y
C482
B1500p
R488
150k
R482
18k
GND


3
4
5
6
TO BB23A
ON SIGNAL BOARD
WITH B-B CONNECTOR
GND
+9V-1
GND
ABL-SW
ABL
WPD
AFC
BLK
DAC.V
VP
GND
+30V
SCL2
SDA2
GND(HOR.)
H-DRIVE
BB23B
BB 16P SOCKET
TLA0193
Q302B
SHIELD PLATE
Q302A
SHIELD COVER
Q371
RN1202
Q370
RN1202
D4410
1N4148
D4412
1N4148
D374
1N4148
D373
MTZJ8.2C
R370
8.2k
R371
10k
R372
22
C370
16V10u
R376
OPEN
50V(p-p)(V)
Q301
LA7833S
Q301A
HEAT SIMK
-15.0
0.9
0.8
15.0
VREF
CENTER DAC
EHT IN
V DRIVE
V-DC REF
V NF
VCC
EW PWM
ANALOG GND
EW FD
EW FILTER
FBP IN
C326
1u
R377
OPEN
R378
OPEN
D375
OPEN
C361
M0.022
R331
100k
R333
1/2R10k
G337
SHORT
R338
OPEN
C332
1000
C318
16V470u
L302
TRF4101AT
CC15
0.01
CC43
B1000p
D327
MTZJ11C
R462
8.2k
C327
16V470u
R464
10k
R341
1.8k
D328
MTZJ11C
Q461
2PA1015Y
R498
68k
R497
4.7M
C498
50V0.022u
D320
1N4148
R316
390k
R320
1.5M
C329
M0.22
Q303
2PA1015Y
GJ31
SHORT
R322
1k
C331
M0.056
R323
10k
Q304
OPEN
R324
OPEN
R325
OPEN
R330
1/2R10k
R311
OPEN
R328
OPEN
R321
OPEN
G306
OPEN
R353
OPEN
G32
SHORT
GJ33
OPEN
GJ51
SHORT
C316
25V470u
R303
1/2R1
C313
100VM0.22
C315
OPEN
C309
M1000
C317
1000
R329
1k
C314
OPEN
D301
BYD33J
D308
OPEN
G309
SHORT
C308
220u
CC16
M0.01
R313
OPEN
R317
OPEN
L301
TEM2011AW
R308
OPEN
D303
SC570A
R336
2R470
C366
100V0.082
GJ50
SHORT
R305
1R1.0
GND
C477
OPEN
R474
OPEN
C471
63V0.27
GJ27
R494
1/6P270k
R493
1/6P6.8k
C494
50V0.022u
+9V-1
NP
C240
NP1u
G299
10k
D240
1N4148
-15V
C305
25V2200u
R326
1R1
D304
EU2A
C302
500V470

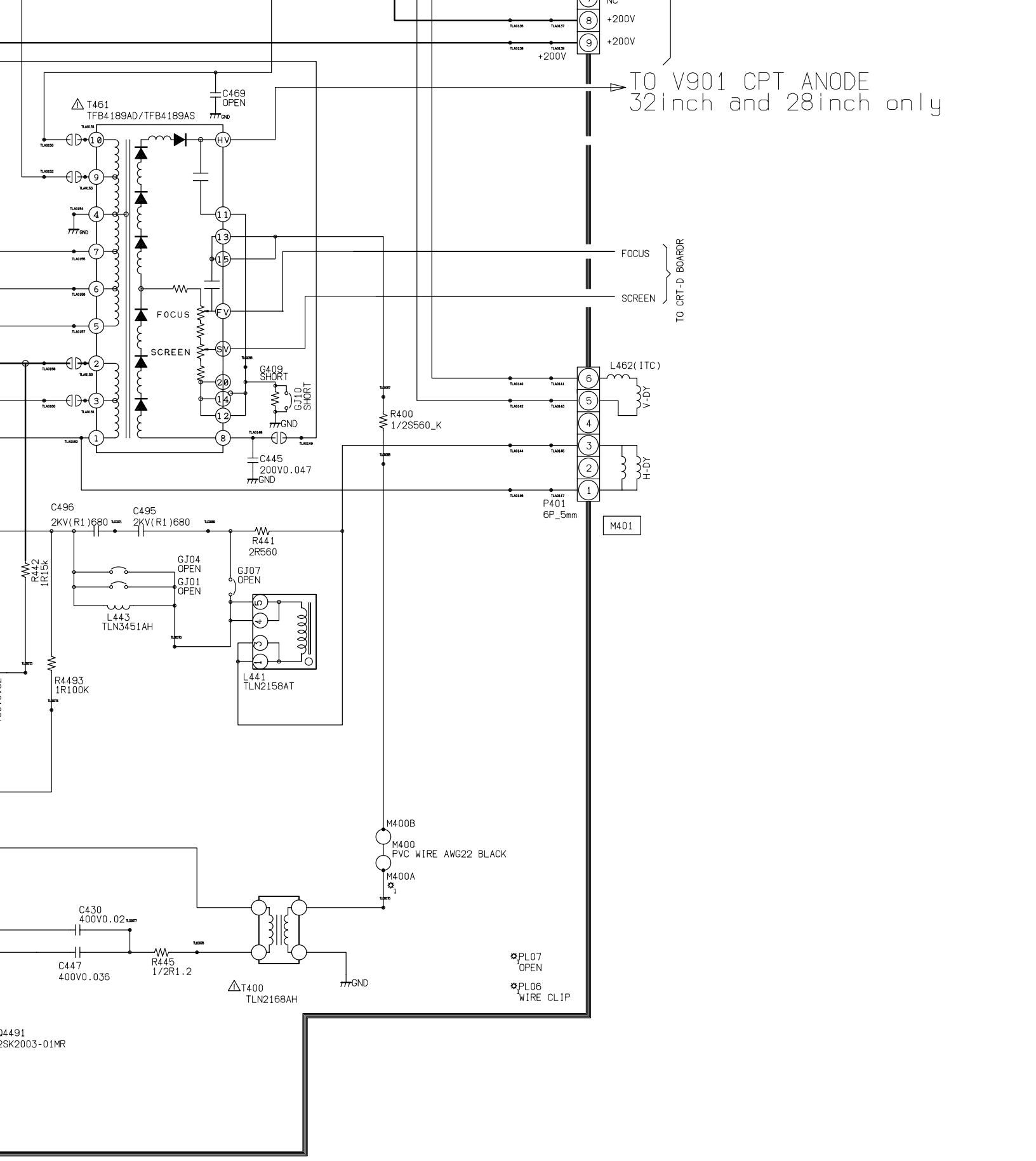

D313
1N4148
R315
3.3k
D312
1N4148
R314
1k
1.3V(p-p)(V)
D441
MTZJ9.1B
R405
1R6.8K
C493
OPEN
M
G484
M1500
V.BLK
R312
10k
G312
22k
C320
25V470u
R308
OPEN
0.082uF
R435
180k
R467
1/4R220k
P903A
9P_2.5mm
1 +132V
2 NC
3 GND
4 +12V
5 Heater
6 GND Heater
7 NC
8 +200V
M903
TO P903B
ON CRT-D BOARD
WITH M903


10
11
12
A
B
C
D


GND
132V
+132V
+132V
NC
NC
NC
GND-B
GND-B
GNC-B
TO BB16A
ON POWER BOARD
WITH B-B CONNECTOR
BB16B
8P B-B
Q402
2SC2235-0FA1
R411
120
R410
OPEN
R415
2R270
C413
3900
+12V
GND
GND
GND
GND
H-DRV-B
HDRV-B
TO BB15A
ON POWER BOARD
WITH B-B CONNECTOR
BB15B
6P B-B
P805
OPEN
E801
T4A L/250V
BROWN
BLUE
LIVE
NEUTRAL
P801
P801A
Lock 2P_11.88mm_S
R801
1/2R2.2M
C801
AC275V0.1u
T801
TRF3231AL (RA)
TRF3231AQ (RB)
GJ21 SHORT
GJ22 SHORT
T803
OPEN
GJ23 SHORT
GJ24 SHORT
TO P821B
ON CONT-
WITH M82


C494
50V0.022u
C240
NP1u
D240
1N4148
GJ27
SHORT
R217
3.9k
D474
MTZJ12B
GND
R227
22k
R211
47k
Q200
2SC2482
R208
10k
R209
10k
R219
47k
+30V
132V
R478
1/2R33k
C475
630V8200
C310
25V2200u
+200V
+15V
R327
1R1
C303
500V470
D302
EU2A
D370
BYD33J
C372
47u
C373
47u
D371
BYD33J
R375
1/2R15
C446
250V33u
L410
TEM2011AW
D406
BYD33J
C410
2KV(R1)470
C448
160V33u
H-OUT
1050V(p-p)(H)
H.DRIVE TRANS
G401
TEM2011AW
GJ42
OPEN
Q404A
HEAT SINK
Q404
2SC5570(FA)
123V
D404
FMQ-3GU
D404A
HEAT SINK
C444
1800VH5100p
C461
1800VH6200p
G403
TEM2011
C440
OPEN
C439
OPEN
G402
OPEN
GJ43
OPEN
C417
500V390
T401
TLN1080AH (RA)
TLN1080 (RB)
R412
2R0.22
R429
1R10
C463
OPEN
R417
2R68
C416
100V33u
G404
TEM2011AW
C468
OPEN
C467
1250VH10000p
C466
1.25kVH7200p
270V(p-p)(H)
GJ41
SHORT
GJ40
SHORT
L470
TEM2011AW
C460
OPEN
R460
10k
C423
400V0.068
L442
TLN3459AH
C491
400V0.1
D415
EU2A
C492
400V0.1
D442
EU2A
C441
400V0.62
+30V
C443
OPEN
C442
OPEN
D462
1N4148
C499
100V2200p
Q460
2SD2493(P)
Z463
PRF10005491
L461
TLN3329AD
D467
BYD33J
R466
10k
Q460A
HEAT SINK
C464
100V4.7u
•24640871E(100V4.7u)
L491
OPEN
L448
OPEN
R4490
1R2.2K
C4490
400V0.24
C4491
400V0.24
Q4493
2PC1815Y
R4491
3.9k
R4495
47k
Q4490
TLP521-1FA
R4492
10k
Q4491
2SK20
P821A
Lock 2P_11.88mm_S
M821
BOARD

3 4 5 6


NC
+200V
+200V
+200V
TO V901 CPT ANODE
32inch and 28inch only
C469
OPEN
T461
TFB4189AD/TFB4189AS
HV
FV
SV
FOCUS
SCREEN
FOCUS
SCREEN
TO CRT-D BOARDR
G409
SHORT
GJ10
SHORT
GND
C445
200V0.047
GND
R400
1/2S560_K
L462(ITC)
V-DY
H-DY
P401
6P_5mm
M401
C496
2KV(R1)680
C495
2KV(R1)680
R441
2R560
R442
1R15k
GJ04
OPEN
GJ01
OPEN
GJ07
OPEN
L443
TLN3451AH
L441
TLN2158AT
R4493
1R100K
M400B
M400
PVC WIRE AWG22 BLACK
M400A
C430
400V0.02
C447
400V0.036
R445
1/2R1.2
T400
TLN2168AH
GND
PL07
OPEN
PL06
WIRE CLIP
Q4491
2SK2003-01MR

E

F

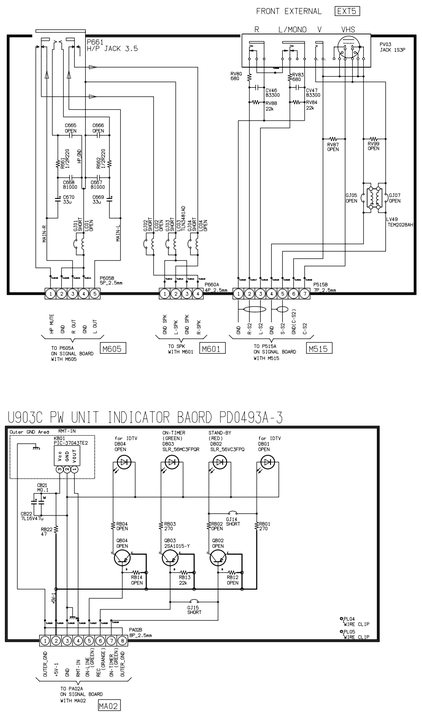
G

H

DEF
32ZD26P

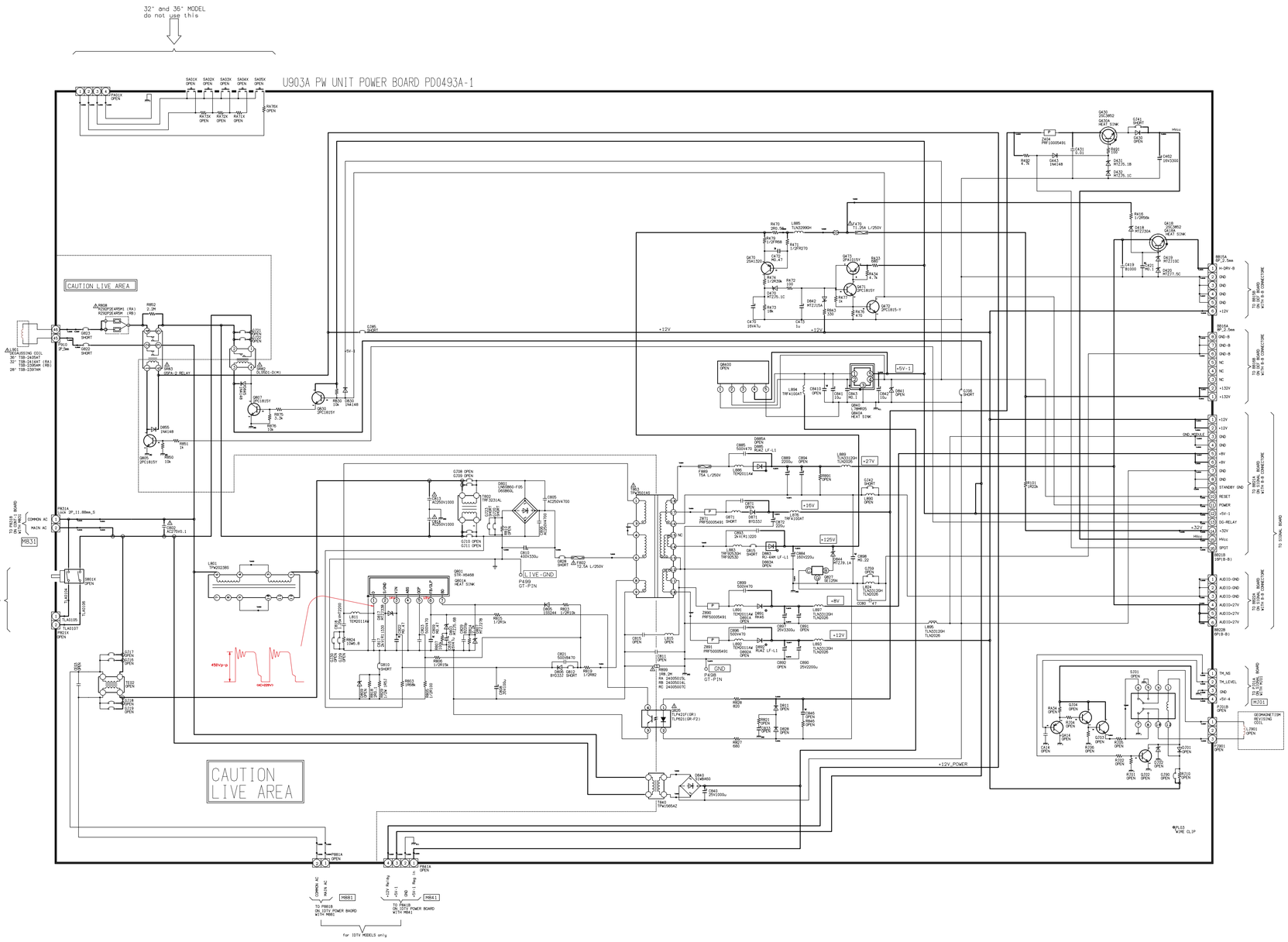
10 11 12

U903B PW UNIT CONT-2 BAORD PD0493A-2



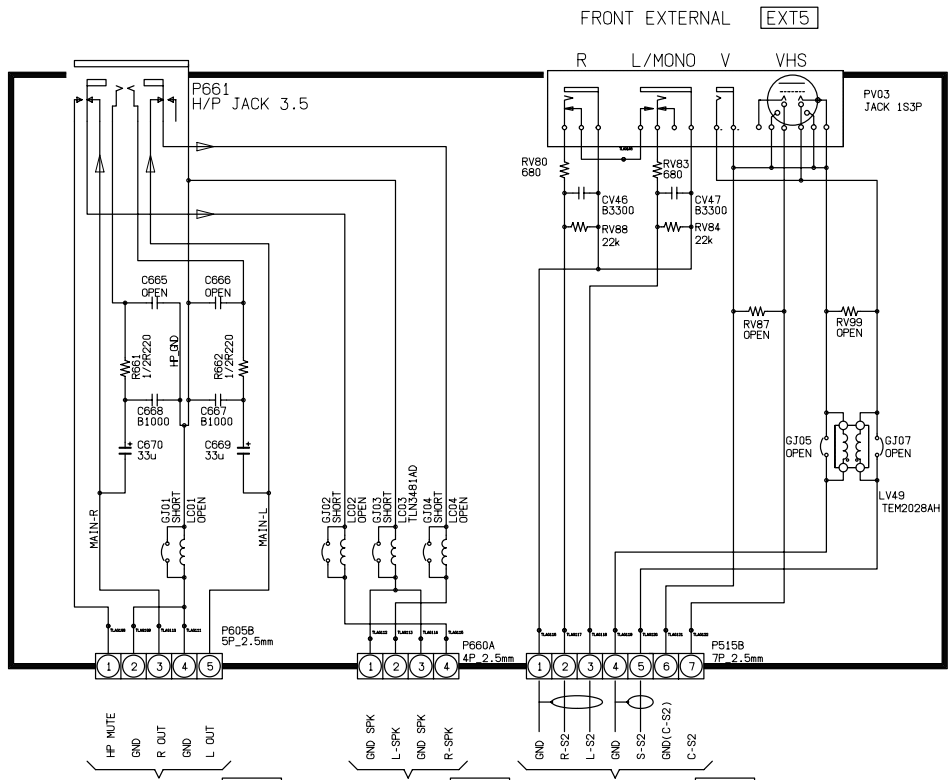
U903C PW UNIT INDICATOR BAORD PD0493A-3

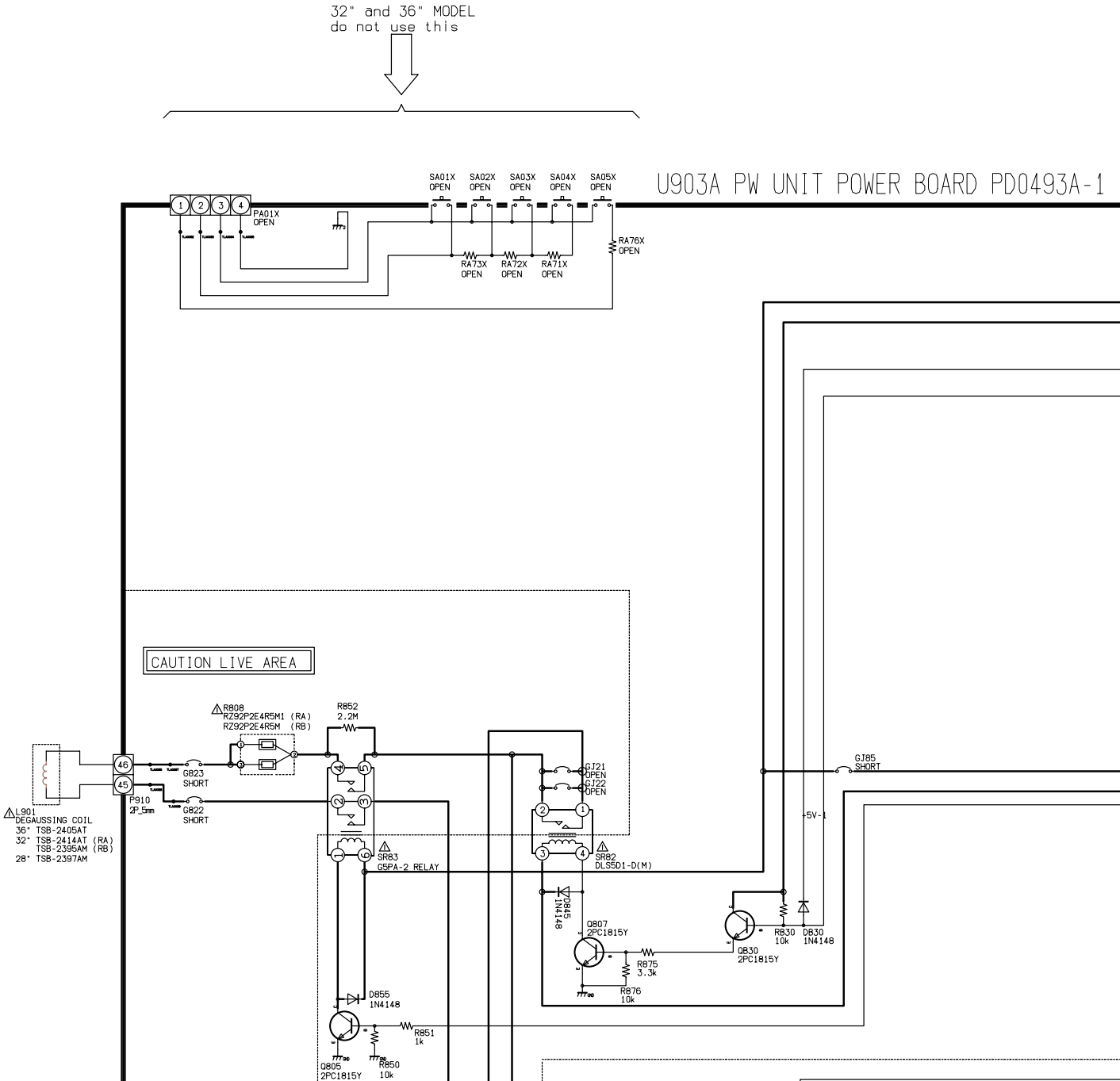
U903A PW UNIT POWER BOARD PD0493A-1



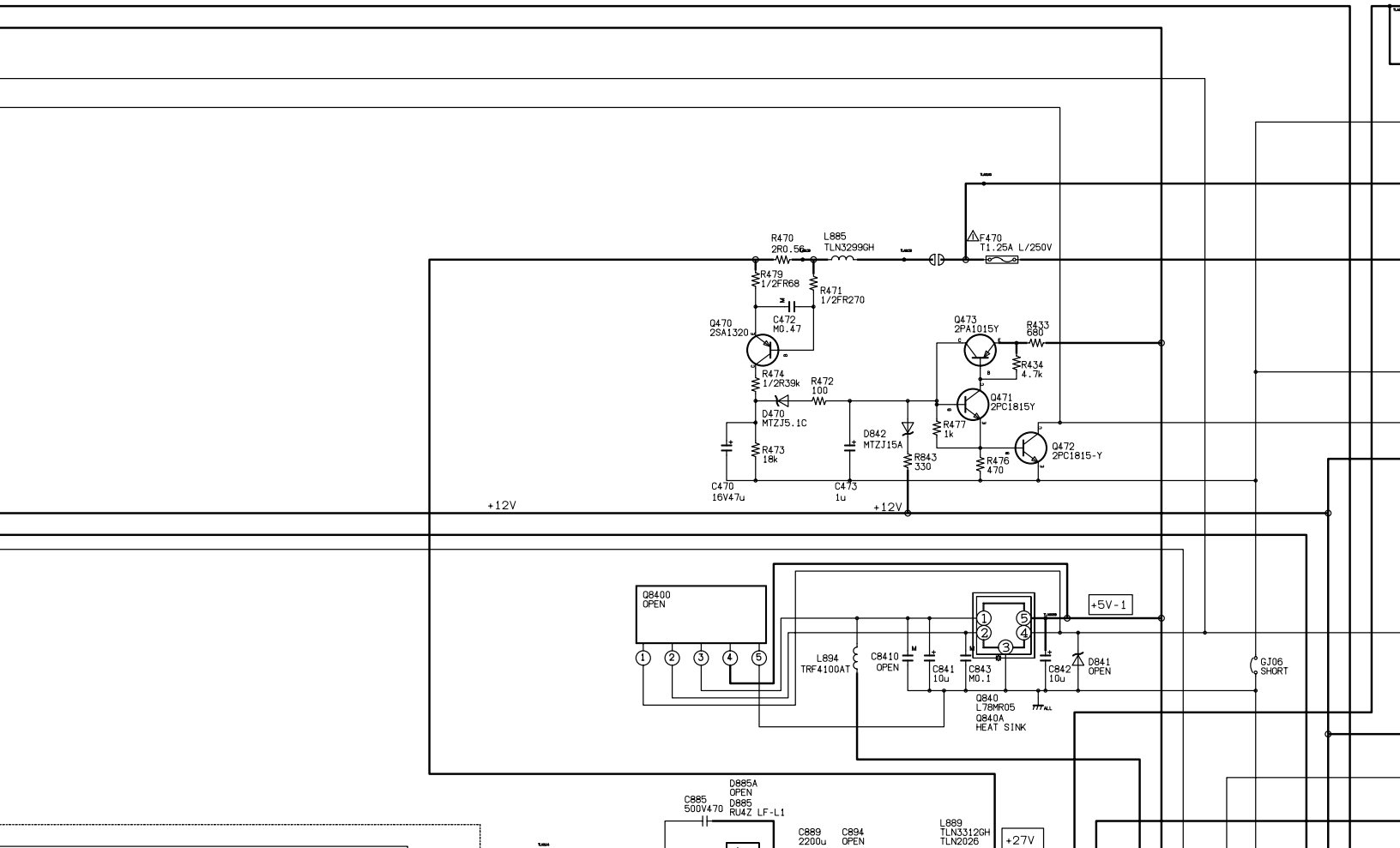
POWER/CONT-2/INDICATOR
32ZD26P

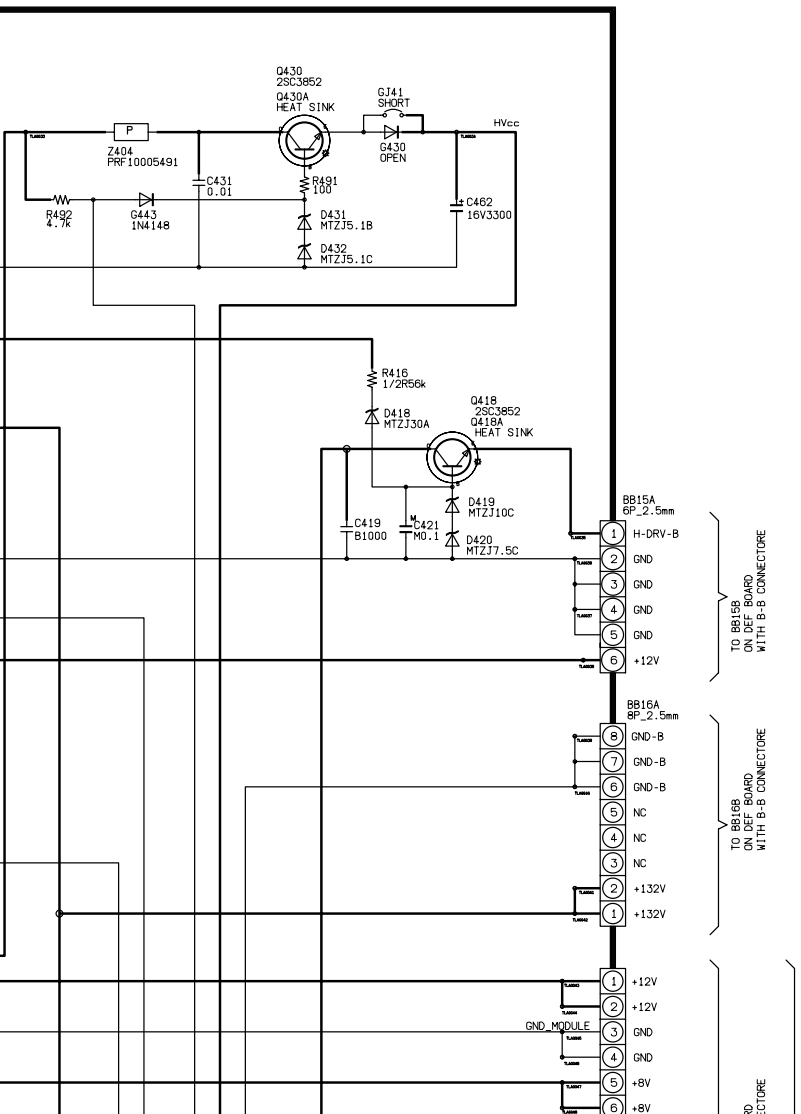
U903B PW UNIT CONT-2 BAORD PD0493A-2

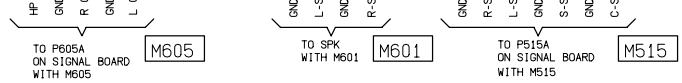



32" and 36" MODEL
do not use this
U903A PW UNIT POWER BOARD PD0493A-1
SA01X OPEN
SA02X OPEN
SA03X OPEN
SA04X OPEN
SA05X OPEN
PA01X OPEN
RA76X OPEN
RA73X OPEN
RA72X OPEN
RA71X OPEN
CAUTION LIVE AREA
R808 RZ92P2E4R5M1 (RA) RZ92P2E4R5M (RB)
R852 2.2M
G823 SHORT
G822 SHORT
P910 2P_5mm
L901 DEGAUSSING COIL
36" TSB-2405AT
32" TSB-2414AT (RA) TSB-2395AM (RB)
28" TSB-2397AM
SR83 G5PA-2 RELAY
SR82 DLS5D1-D(M)
GJ21 OPEN
GJ22 OPEN
GJ85 SHORT
+5V-1
D804 1N4148
Q807 2PC1815Y
R875 3.3k
R876 10k
RB30 10k
DB30 1N4148
QB30 2PC1815Y
D855 1N4148
R851 1k
Q805 2PC1815Y
R850 10k

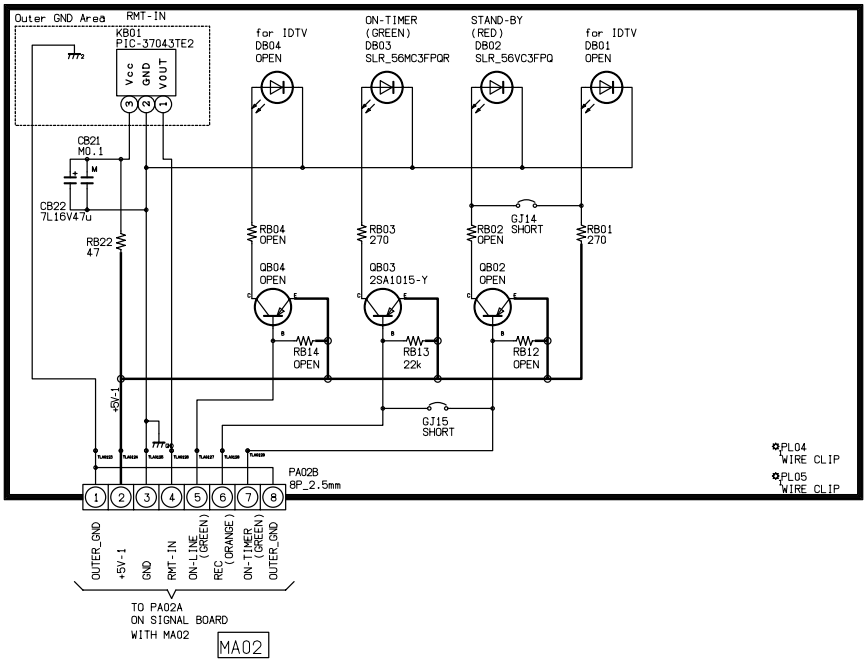
1


R470
2R0.56
L885
TLN3299GH
F470
T1.25A L/250V
R479
1/2FR68
R471
1/2FR270
C472
M0.47
Q470
2SA1320
Q473
2PA1015Y
R433
680
R434
4.7k
R474
1/2R39k
R472
100
Q471
2PC1815Y
D470
MTZJ5.1C
R477
1k
D842
MTZJ15A
R473
18k
R843
330
R476
470
Q472
2PC1815-Y
C470
16V47u
C473
1u
+12V
+12V
Q8400
OPEN
+5V-1
L894
TRF4100AT
C8410
OPEN
C841
10u
C843
M0.1
C842
10u
D841
OPEN
GJ06
SHORT
Q840
L78MR05
Q840A
HEAT SINK
D885A
OPEN
C885
500V470
D885
RU4Z LF-L1
C889
2200u
C894
OPEN
L889
TLN3312GH
TLN2026
+27V


Q430
2SC3852
Q430A
HEAT SINK
GJ41
SHORT
G430
OPEN
HVcc
P
Z404
PRF10005491
C431
0.01
R491
100
R492
4.7k
G443
1N4148
D431
MTZJ5.1B
D432
MTZJ5.1C
C462
16V3300
R416
1/2R56k
D418
MTZJ30A
Q418
2SC3852
Q418A
HEAT SINK
C419
B1000
C421
M0.1
D419
MTZJ10C
D420
MTZJ7.5C
BB15A
6P_2.5mm
1 H-DRV-B
2 GND
3 GND
4 GND
5 GND
6 +12V
TO BB15B
ON DEF BOARD
WITH B-B CONNECTORE
BB16A
8P_2.5mm
8 GND-B
7 GND-B
6 GND-B
5 NC
4 NC
3 NC
2 +132V
1 +132V
TO BB16B
ON DEF BOARD
WITH B-B CONNECTORE
1 +12V
2 +12V
GND_MODULE
3 GND
4 GND
5 +8V
6 +8V

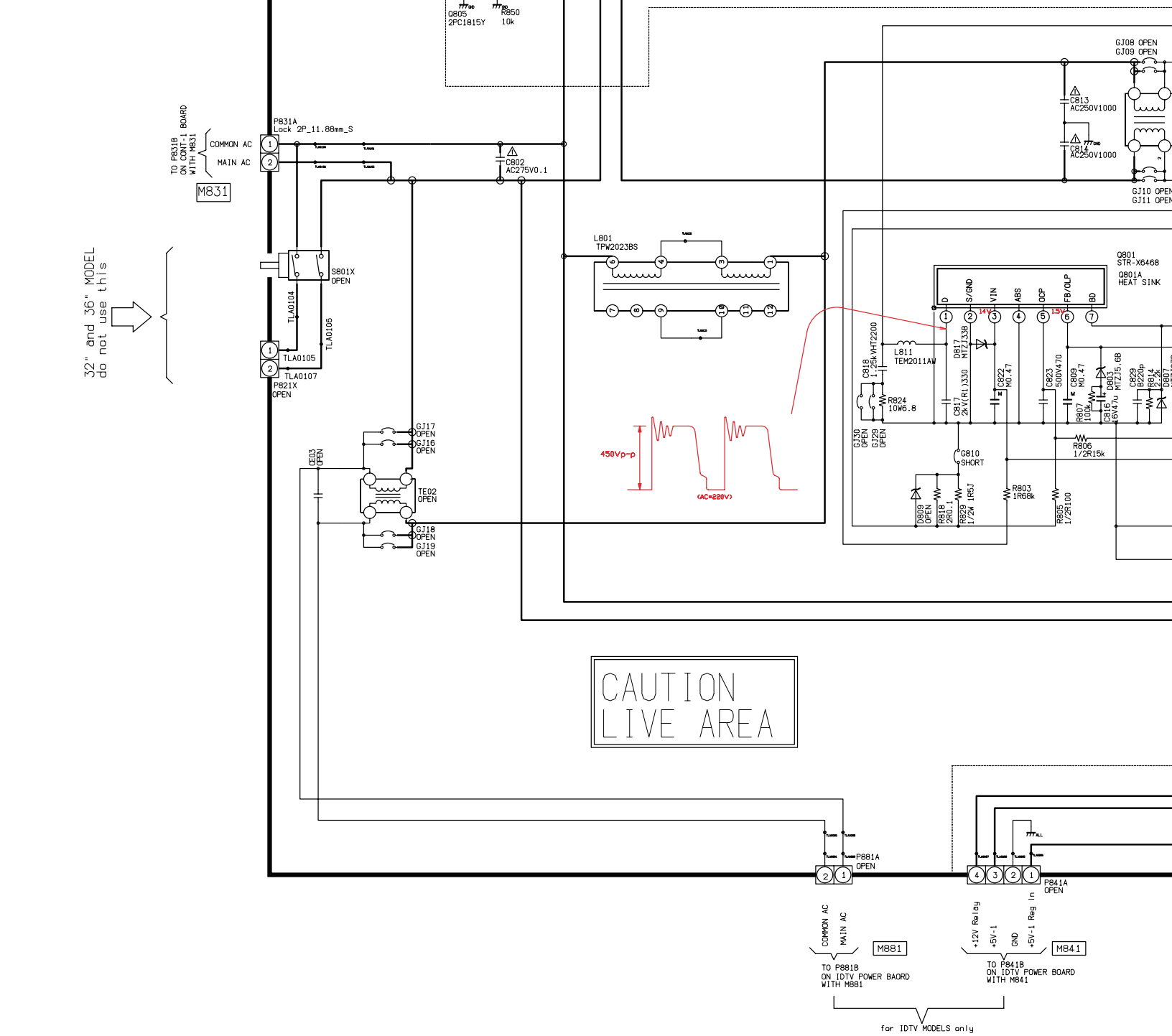


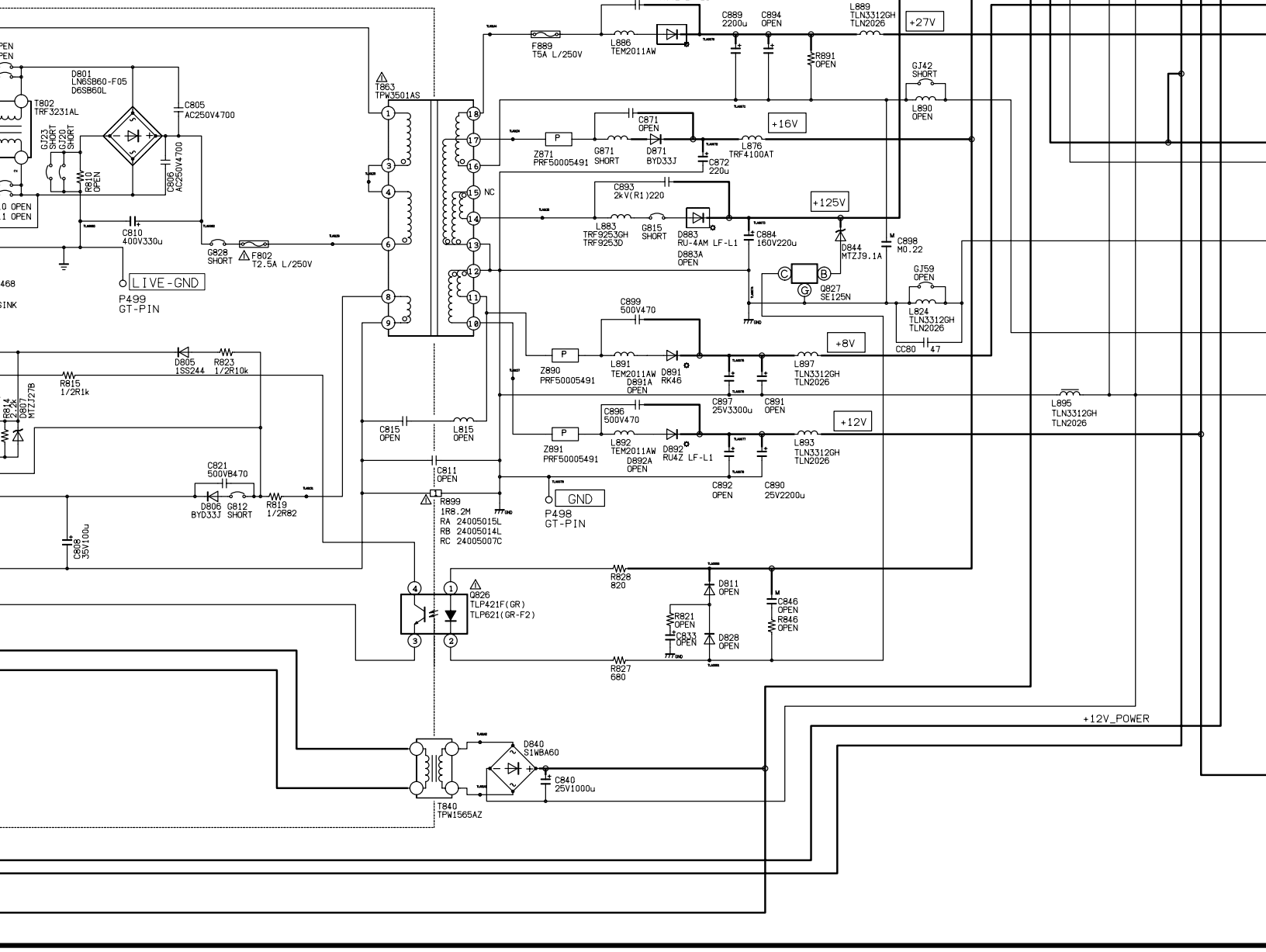
U903C PW UNIT INDICATOR BAORD PD0493A-3

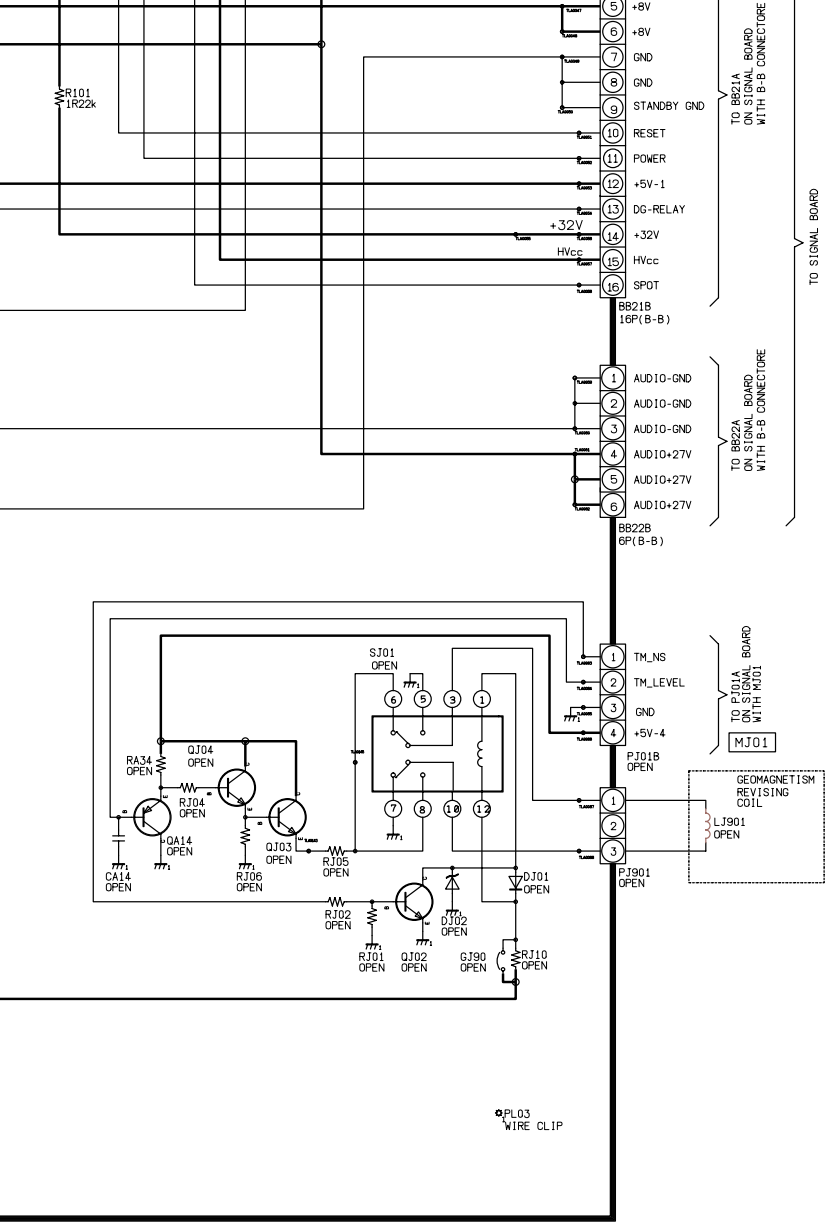


G H I J K L

1 2 3


Q805
2PC1815Y
R850
10k
GJ08 OPEN
GJ09 OPEN
C813
AC250V1000
C814
AC250V1000
GJ10 OPEN
GJ11 OPEN
TO P831B
ON CONT-1 BOARD
WITH M831
P831A
Lock 2P_11.88mm_S
COMMON AC
MAIN AC
M831
C802
AC275V0.1
L801
TPW2023BS
Q801
STR-X6468
Q801A
HEAT SINK
D
S/GND
VIN
ABS
OCP
FB/OLP
BD
14V
15V
32" and 36" MODEL
do not use this
S801X
OPEN
TLA0104
TLA0106
TLA0105
TLA0107
P821X
OPEN
L811
TEM2011AW
C818
1.25kVHT2200
R824
10W6.8
D817
MTZJ33B
C817
2kV(R1)330
C822
M0.47
C823
500V470
C809
M0.47
D803
MTZJ5.68
C829
B220p
R814
222k
R807
100k
C816
6V47u
R806
1/2R15k
G130
OPEN
G129
OPEN
G810
SHORT
R803
1R68k
R805
1/2R100
D809
OPEN
R818
2R0.1
R829
1/2W 1R5J
450Vp-p
(AC=220V)
GJ17
OPEN
GJ16
OPEN
CE03
OPEN
TE02
OPEN
GJ18
OPEN
GJ19
OPEN
CAUTION
LIVE AREA
P881A
OPEN
P841A
OPEN
COMMON AC
MAIN AC
M881
TO P881B
ON IDTV POWER BAORD
WITH M881
+12V Relay
+5V-1
GND
+5V-1 Reg in
M841
TO P841B
ON IDTV POWER BOARD
WITH M841
for IDTV MODELS only


D801
LN6SB60-F05
D6SB60L
T802
TRF3231AL
C805
AC250V4700
C806
AC250V4700
R810
OPEN
C810
400V330u
G828
SHORT
F802
T2.5A L/250V
LIVE-GND
P499
GT-PIN
T863
TPW3501AS
NC
F889
T5A L/250V
L886
TEM2011AW
C889
2200u
C894
OPEN
L889
TLN3312GH
TLN2026
+27V
R891
OPEN
GJ42
SHORT
L890
OPEN
C871
OPEN
+16V
Z871
PRF50005491
G871
SHORT
D871
BYD33J
L876
TRF4100AT
C872
220u
C893
2kV(R1)220
+125V
L883
TRF9253GH
TRF9253D
G815
SHORT
D883
RU-4AM LF-L1
D883A
OPEN
C884
160V220u
D844
MTZJ9.1A
C898
M0.22
Q827
SE125N
GJ59
OPEN
L824
TLN3312GH
TLN2026
CC80
47
C899
500V470
+8V
Z890
PRF50005491
L891
TEM2011AW
D891A
OPEN
D891
RK46
C897
25V3300u
C891
OPEN
L897
TLN3312GH
TLN2026
L895
TLN3312GH
TLN2026
D805
1SS244
R823
1/2R10k
R815
1/2R1k
C815
OPEN
L815
OPEN
C896
500V470
+12V
Z891
PRF50005491
L892
TEM2011AW
D892A
OPEN
D892
RU4Z LF-L1
C892
OPEN
C890
25V2200u
L893
TLN3312GH
TLN2026
C821
500VB470
D806
BYD33J
G812
SHORT
R819
1/2R82
C811
OPEN
R899
1R8.2M
RA 24005015L
RB 24005014L
RC 24005007C
GND
P498
GT-PIN
C808
35V100u
R828
820
Q826
TLP421F(GR)
TLP621(GR-F2)
D811
OPEN
C846
OPEN
R846
OPEN
R821
OPEN
C833
OPEN
D828
OPEN
R827
680
+12V_POWER
D840
S1WBA60
C840
25V1000u
T840
TPW1565AZ



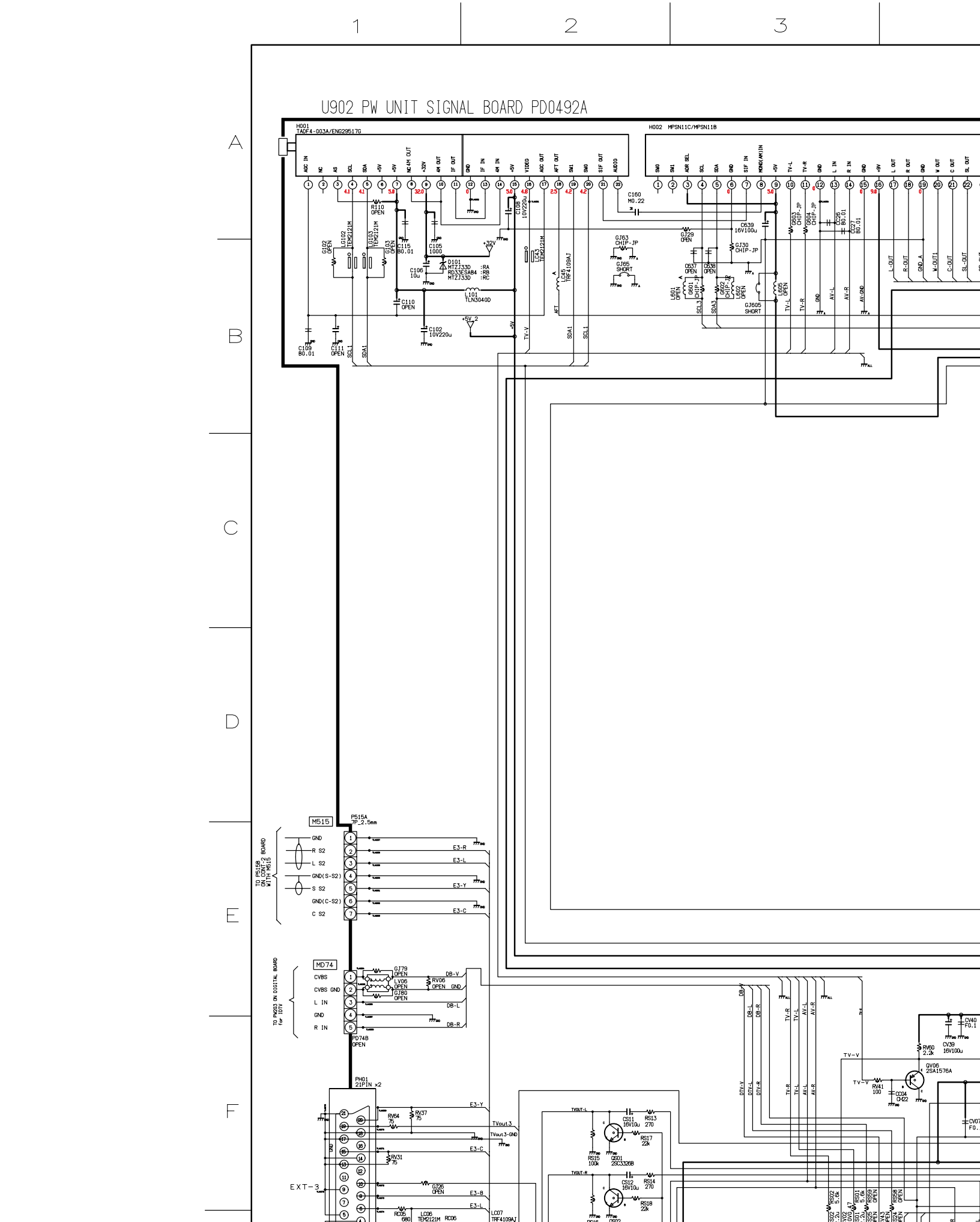
POWER/CONT-2/INDICATOR
32ZD26P

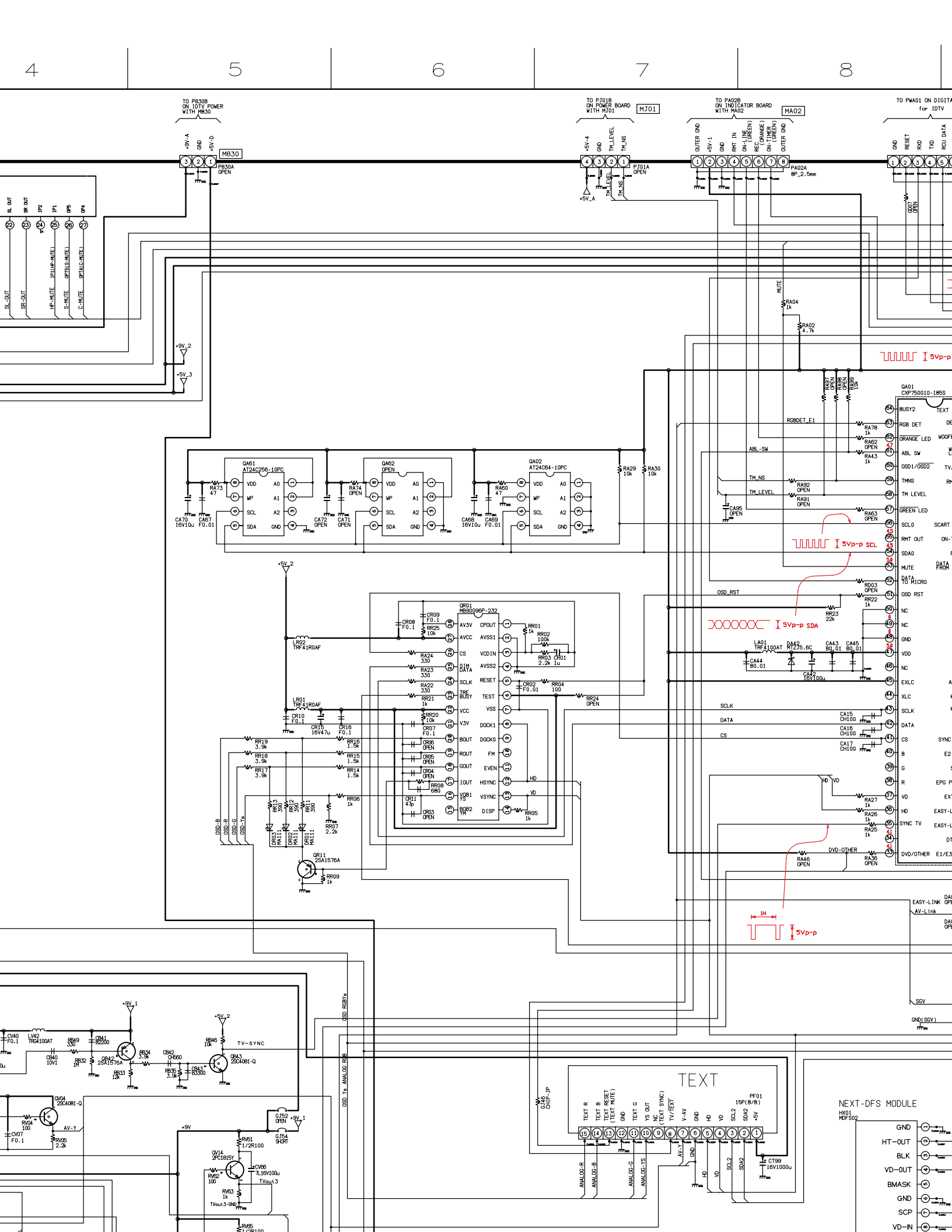
G H I J K L

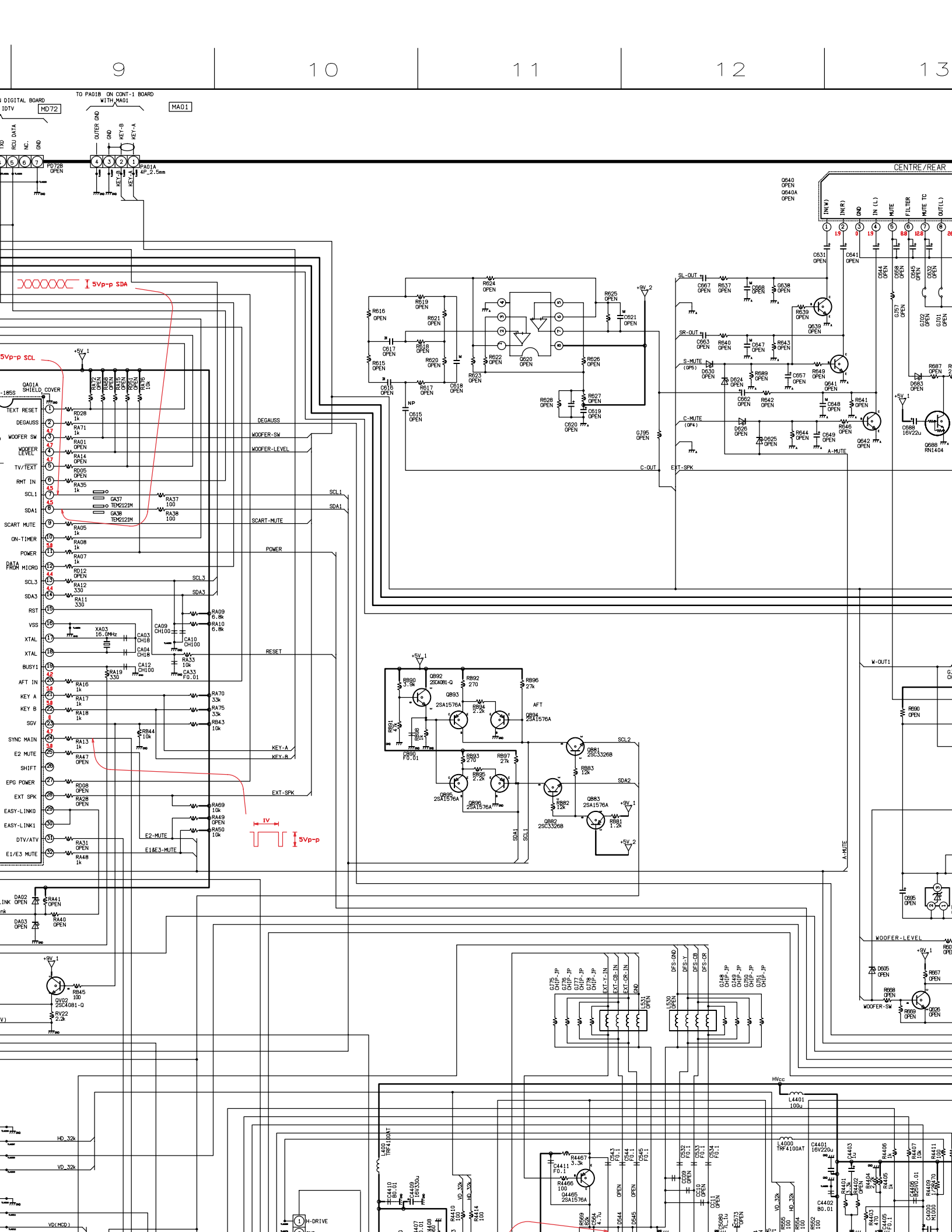
13 | 14 | 15 | 16

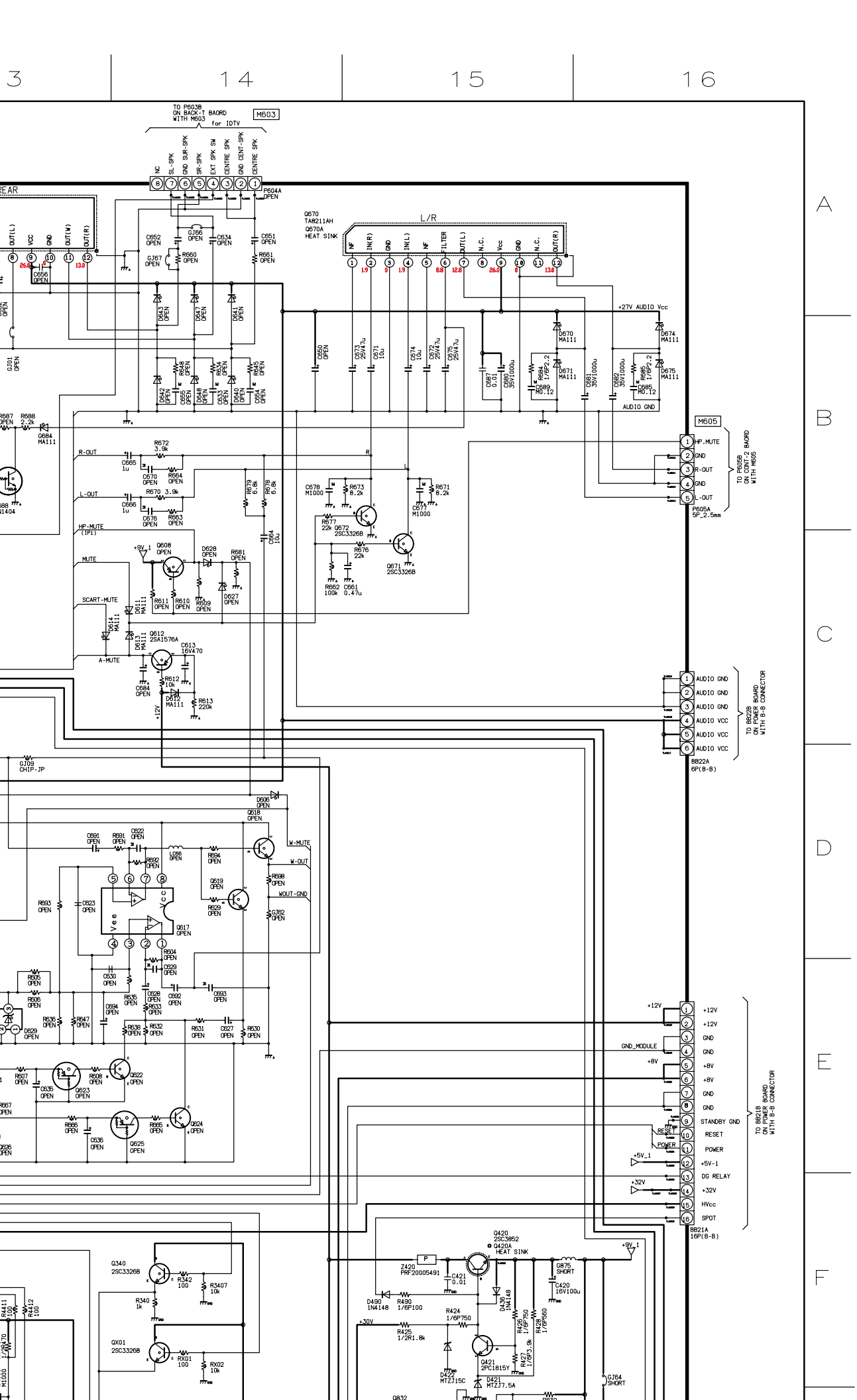
U902 PW UNIT SIGNAL BOARD PD0492A

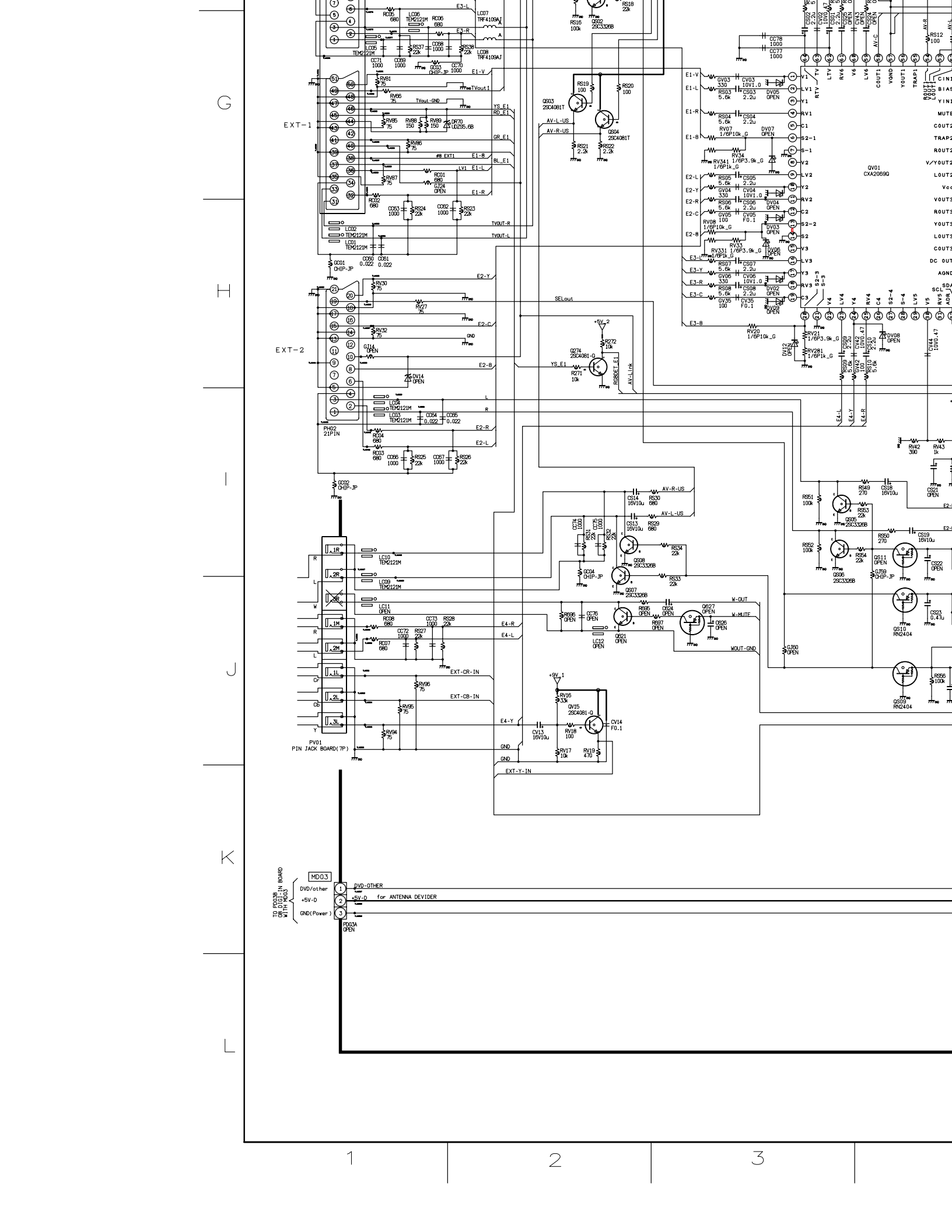
SIGNAL
32ZD26P

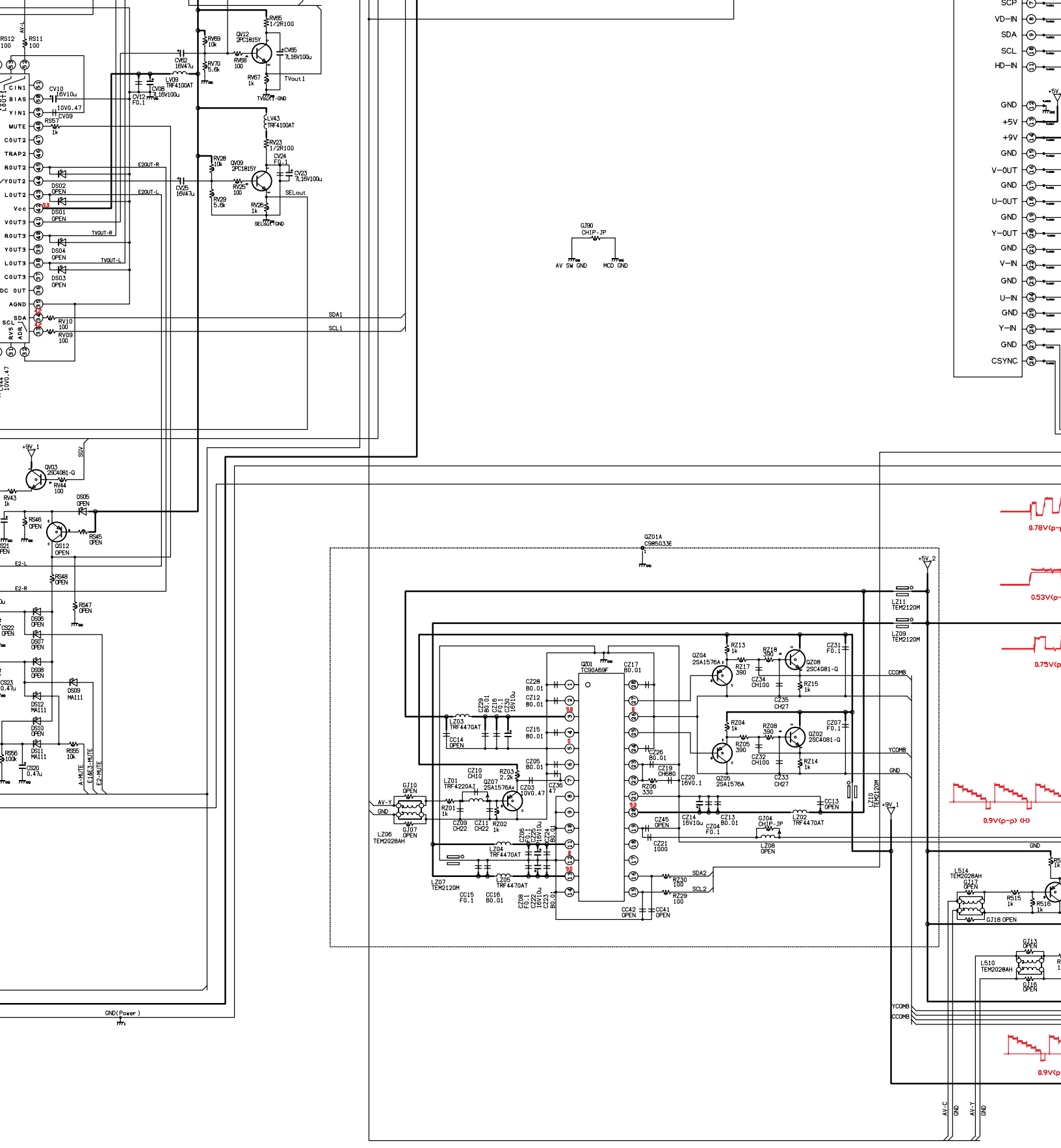

U902 PW UNIT SIGNAL BOARD PD0492A
1
2
3
A
B
C
D
E
F
H001
TADF4-003A/ENG29517G
H002 MPSN11C/MPSN11B
P515A
7P_2.5mm
M515
TO P515B ON CONT-2 BOARD WITH M515
GND
R S2
L S2
GND(S-2)
S S2
GND(C-S2)
C S2
E3-R
E3-L
E3-Y
E3-C
MD74
TO PW203 ON DIGITAL BOARD for 107V
CVBS
CVBS GND
L IN
GND
R IN
PD74B
OPEN
PH01
21PIN x2
EXT-3
TVout.3
TVout.3-GND
E3-8
DB-V
DB-L
DB-R
TV-V
TV-L
TV-R
AV-L
AV-R
L-OUT
R-OUT
GND_A
M-OUT1
C-OUT
SL-OUT
AV-GND
SDA1
SCL1
SDA3
SCL3
+5V_2
+32V
+9V
AFT
TV-Y

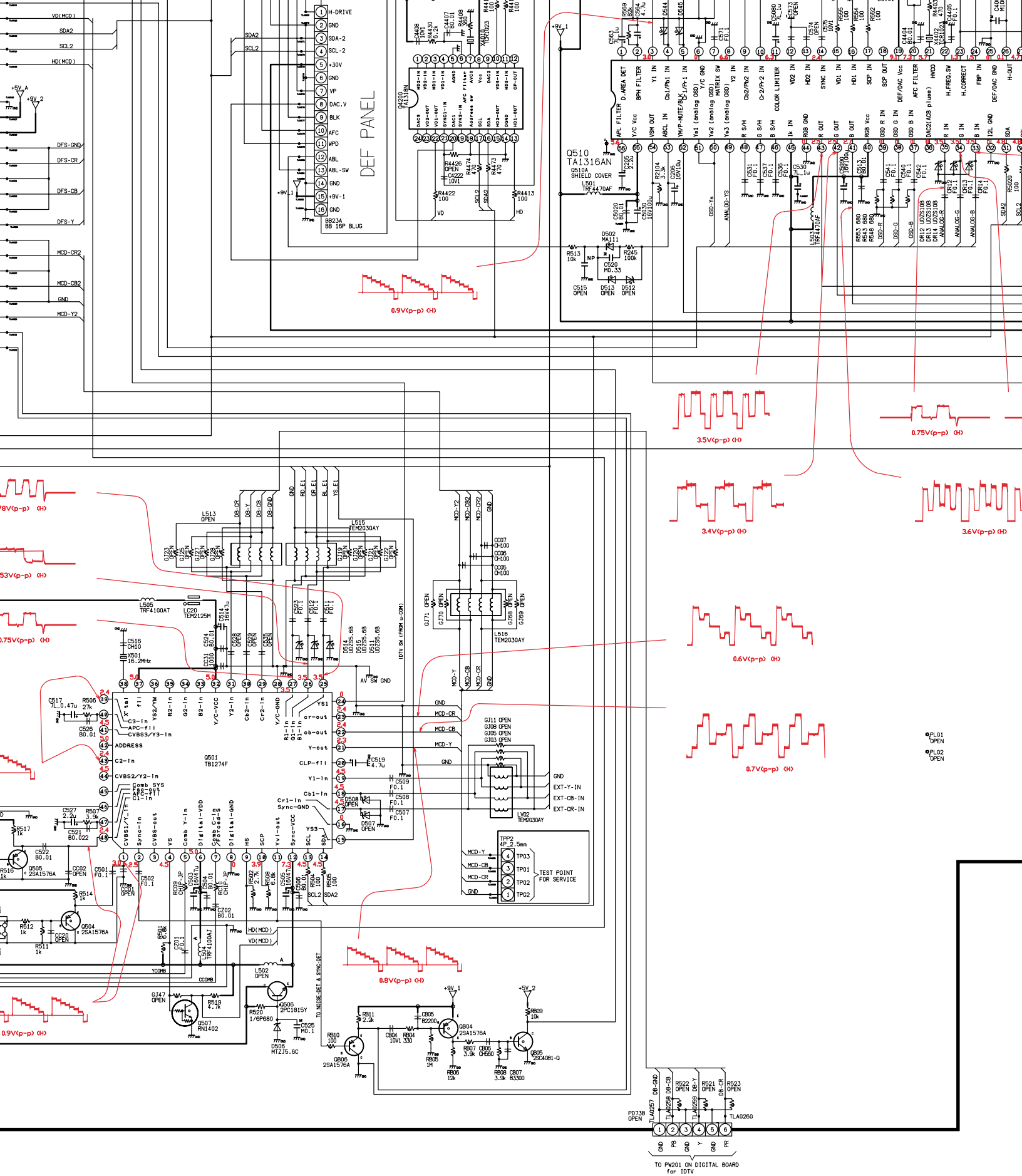

4
5
6
7
8
TO P830B ON IDTV POWER WITH M830
M830
P830A OPEN
TO PJ01B ON POWER BOARD WITH MJ01
MJ01
PJ01A OPEN
TO PA02B ON INDICATOR BOARD WITH MA02
MA02
PA02A 8P_2.5mm
TO PWA01 ON DIGITA for IDTV
QA01 CXP750010-185S
QA61 AT24C256-10PC
QA62 OPEN
QA02 AT24C64-10PC
QR01 M89090P-232
LA01 TRF4100AT
QR11 2SA1576A
QV04 2SC4081-Q
QV14 2SC1815Y
QM43 2SC4081-Q
TEXT
NEXT-DFS MODULE
HK01 MDFS02
PF01 15P(B/B)
GJ46 CHIP-JP
GJ52 OPEN
GJ54 SHORT
5Vp-p
5Vp-p SCL
5Vp-p SDA
1H
TV-SYNC
AV-Y
GND
HT-OUT
BLK
VD-OUT
BMASK
SCP
VD-IN
EASY-LINK
AV-Link
SGV
GND(SGV)
OSD-R
OSD-G
OSD-B
OSD-Ys
OSD RGBYs
OSD Ys ANALOG RGB
ANALOG-R
ANALOG-B
ANALOG-G
ANALOG-YS
SCLK
DATA
CS
MUTE
OSD_RST
DVD-OTHER
TM_NS
TM_LEVEL
ABL-SW
RGBDET_E1
SL-OUT
SR-OUT
HP-MUTE
S-MUTE
C-MUTE
+9V_1
+9V_2
+5V_3
+5V_A

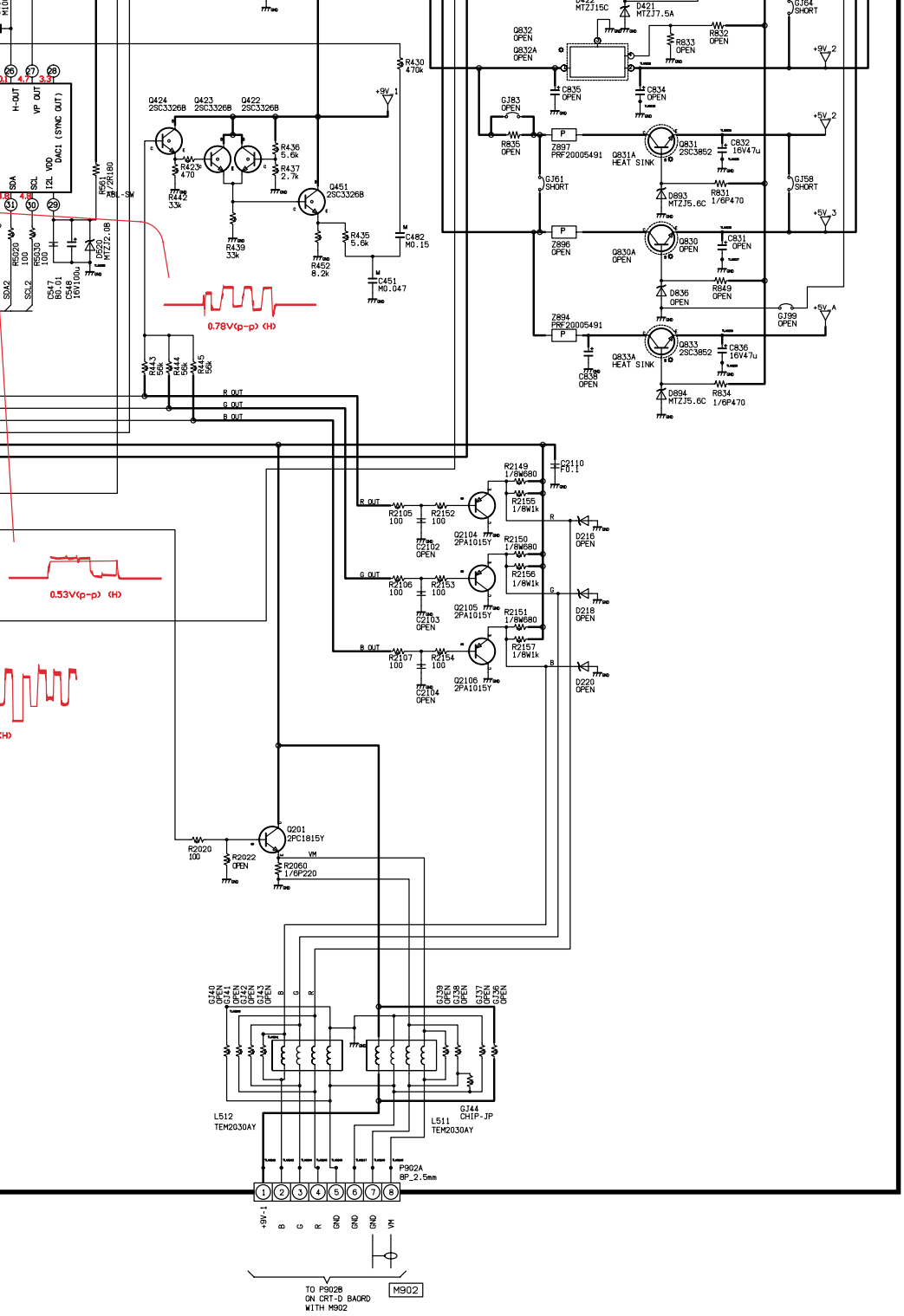

9
10
11
12
13
TO PA01B ON CONT-1 BOARD WITH MA01
MA01
MD72
PD72B OPEN
PA01A 4P_2.5mm
OUTER GND
GND
KEY-B
KEY-A
TXD
RCU DATA
NC.
GND
CENTRE/REAR
IN(R)
IN(L)
GND
IN (L)
MUTE
FILTER
MUTE TC
OUT(L)
5Vp-p SDA
5Vp-p SCL
DA01A SHIELD_COVER
TEXT RESET
DEGAUSS
WOOFER SW
WOOFER LEVEL
TV/TEXT
RMT IN
SCL1
SDA1
SCART MUTE
ON-TIMER
POWER
DATA FROM MICRO
SCL3
SDA3
RST
VSS
XTAL
XTAL
BUSY1
AFT IN
KEY A
KEY B
SGV
SYNC MAIN
E2 MUTE
SHIFT
EPG POWER
EXT SPK
EASY-LINK0
EASY-LINK1
DTV/ATV
E1/E3 MUTE
SL-OUT
SR-OUT
S-MUTE (OP5)
C-MUTE (OP4)
A-MUTE
C-OUT
EXT-SPK
W-OUT1
WOOFER-LEVEL
WOOFER-SW
AFT
SCL2
SDA2
HVcc
HD_32k
VD_32k
VD(MCD)
H-DRIVE
1V
5Vp-p


13
14
15
16
A
B
C
D
E
F
M603
TO P603B ON BACK-T BAORD WITH M603
for IDTV
NC
SL-SPK
GND SUR-SPK
SR-SPK
EXT SPK SW
CENTRE SPK
GND CENT-SPK
CENTRE SPK
P604A OPEN
REAR
OUT(L)
VCC
GND
OUT(W)
OUT(R)
Q670 TA8211AH
Q670A HEAT SINK
L/R
NF
IN(R)
GND
IN(L)
NF
FILTER
OUT(L)
N.C.
Vcc
GND
N.C.
OUT(R)
+27V AUDIO Vcc
AUDIO GND
M605
HP.MUTE
GND
R-OUT
GND
L-OUT
P605A 5P_2.5mm
TO P605B ON CONT-2 BAORD WITH M605
R-OUT
L-OUT
HP-MUTE (IP1)
MUTE
SCART-MUTE
A-MUTE
Q612 2SA1576A
Q671 2SC3326B
Q672 2SC3326B
Q608 OPEN
AUDIO GND
AUDIO GND
AUDIO GND
AUDIO VCC
AUDIO VCC
AUDIO VCC
BB22A 6P(B-B)
TO BB22B ON POWER BOARD WITH B-B CONNECTOR
GJ09 CHIP-JP
W-MUTE
W-OUT
WOUT-GND
Q617 OPEN
+12V
+12V
GND
GND_MODULE
+8V
+8V
+8V
GND
GND
STANDBY GND
RESET
POWER
+5V-1
DG RELAY
+32V
HVcc
SPOT
BB21A 16P(B-B)
TO BB21B ON POWER BOARD WITH B-B CONNECTOR
Q420 2SC3852
Q420A HEAT SINK
Z420 PRF20005491
Q340 2SC3326B
QX01 2SC3326B
Q421 2PC1815Y
D422 MTZJ15C
D421 MTZJ7.5A
GJ64 SHORT
+9V_1
+30V


EXT-1
EXT-2
PH02
21PIN
PV01
PIN JACK BOARD(7P)
QV01
CXA2069Q
MD03
DVD/other
+5V-D
GND(Power)
DVD-OTHER
+5V-D for ANTENNA DEVIDER
TO PD03B OR DIGI-IN BOARD WITH MD03
PD03A
OPEN
EXT-CR-IN
EXT-CB-IN
EXT-Y-IN
AV-L-Link
SELout
W-OUT
W-MUTE
WOUT-GND
G
H
I
J
K
L
1
2
3


SCP
VD-IN
SDA
SCL
HD-IN
GND
+5V
+9V
V-OUT
U-OUT
Y-OUT
V-IN
U-IN
Y-IN
CSYNC
CIN1
BIAS
YIN1
MUTE
COUT2
TRAP2
ROUT2
YOUT2
LOUT2
Vcc
VOUT3
ROUT3
YOUT3
LOUT3
COUT3
DC OUT
AGND
SDA
SCL
ADR
SDA1
SCL1
E2OUT-R
E2OUT-L
TVOUT-R
TVOUT-L
SELout
TVout1
GJ90
CHIP-JP
AV SW GND
MCD GND
QZ01A
C985033E
QZ01
TC90A69F
LZ11
TEM2120M
LZ09
TEM2120M
LZ10
TEM2120M
CCOMB
YCOMB
GND
AV-Y
LZ06
TEM2028AH
LZ07
TEM2120M
LZ08
LZ01
TRF4220AJ
LZ03
TRF4470AT
LZ04
TRF4470AT
LZ05
TRF4470AT
LZ02
TRF4470AT
SDA2
SCL2
L514
TEM2028AH
L510
TEM2028AH
GJ18 OPEN
0.78V(p-p)
0.53V(p-p)
0.75V(p-p)
0.9V(p-p) (H)
0.9V(p-p)
AV-C
GND
AV-Y
GND
GND(Power)


DEF PANEL
Q510
TA1316AN
Q501
TB1274F
0.9V(p-p) (H)
3.5V(p-p) (H)
0.75V(p-p) (H)
3.4V(p-p) (H)
3.6V(p-p) (H)
0.6V(p-p) (H)
0.7V(p-p) (H)
0.8V(p-p) (H)
TEST POINT FOR SERVICE
TO PW201 ON DIGITAL BOARD for IDTV



SIGNAL
32ZD26P

G H I J K L

13 14 15 16

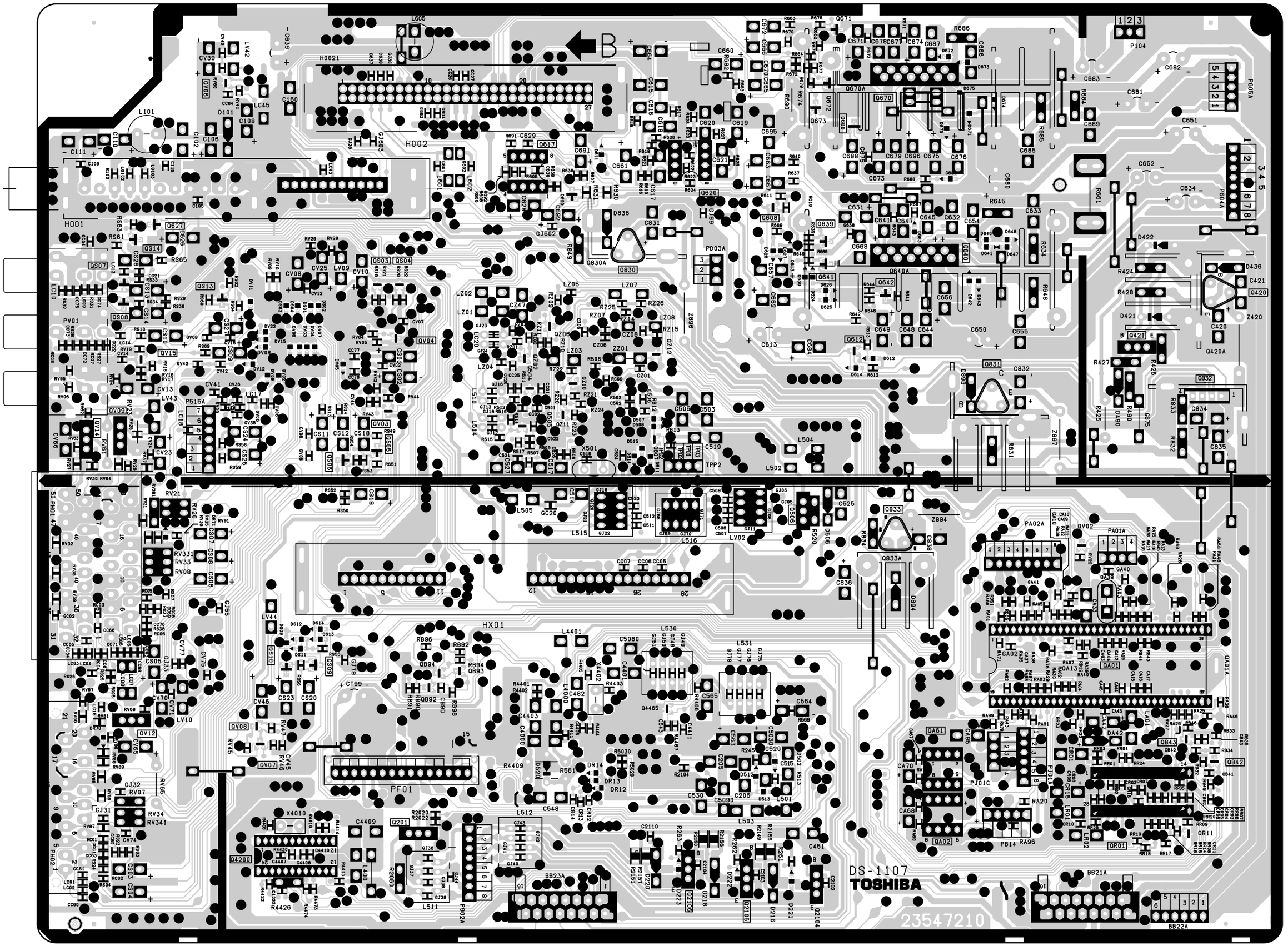
PC Boad Drawings
Schematic Diagram

32ZD36P
36ZD36P

Jul. 2004 (YC/X)

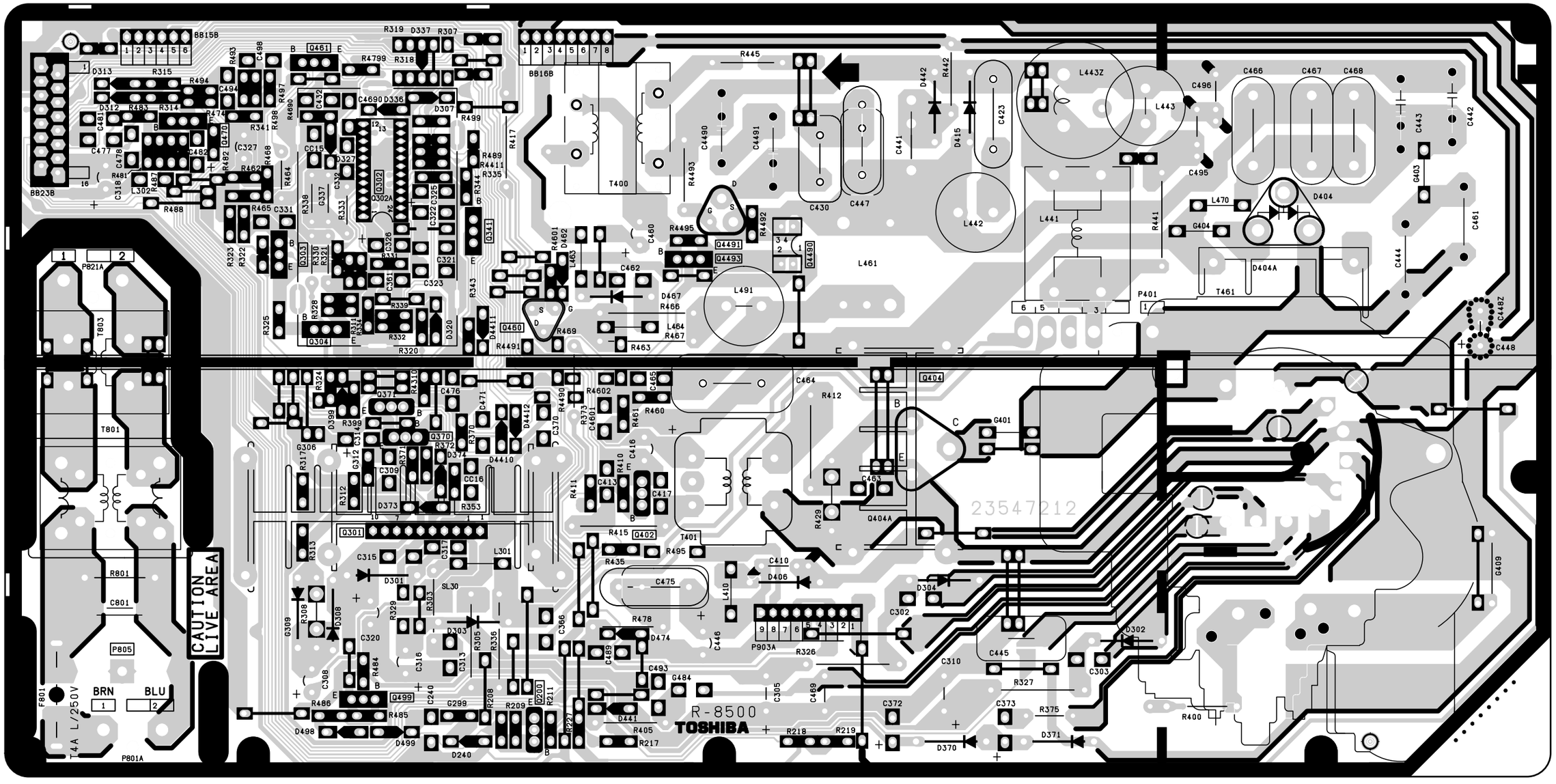
SIGNAL BOARD P1007D (32ZD36P) (U902)
SIGNAL BOARD P1007C (36ZD36P) (U902)

BOTTOM (FOIL) SIDE



DEF BOARD PD1009B (32ZD36P) (U904)
DEF BOARD PD1009A (36ZD36P) (U904)

BOTTOM (FOIL) SIDE

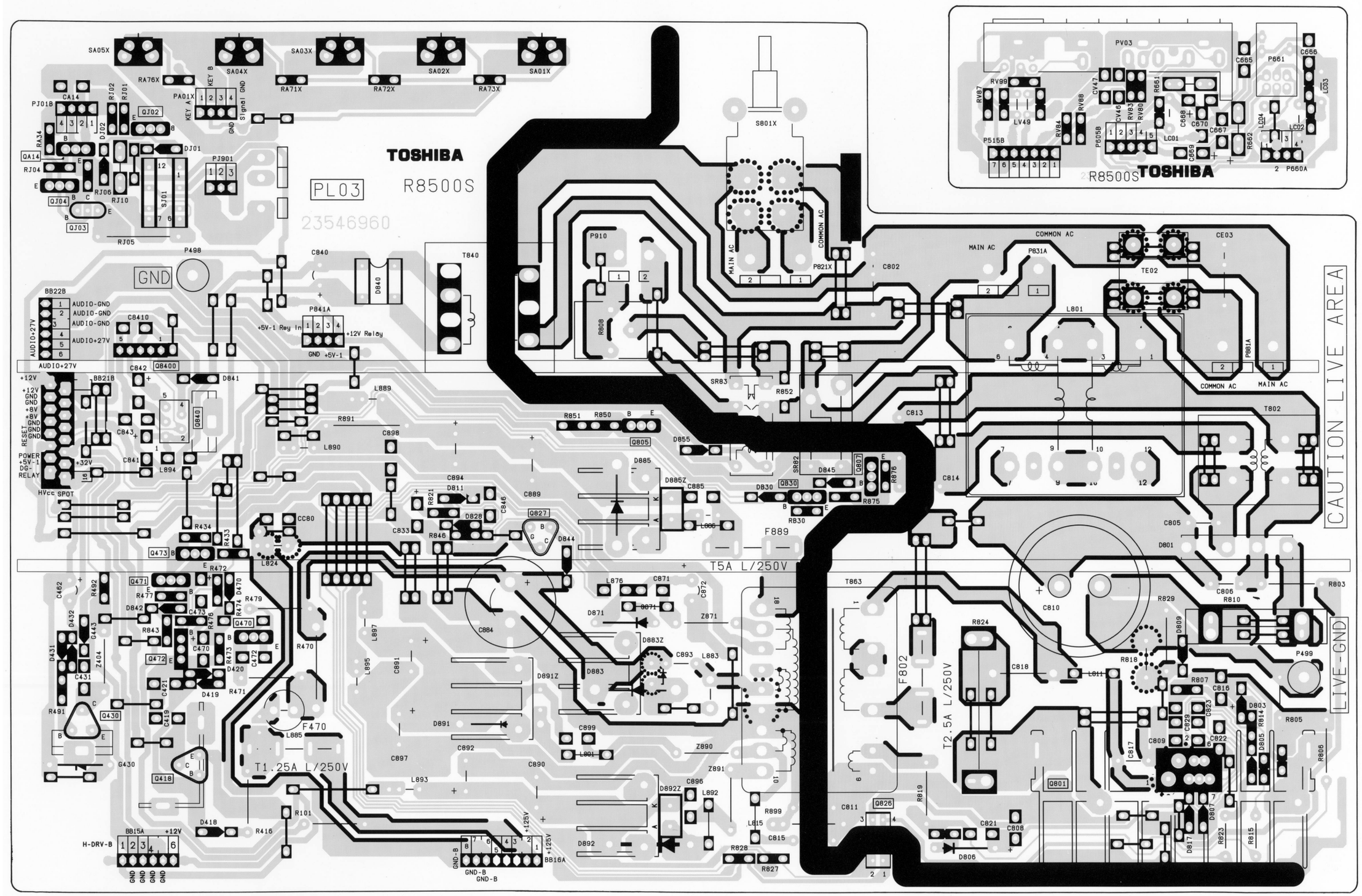


POWER BOARD PD0493H-1 (32ZD36P) (U903A)
POWER BOARD PD0493G-1 (36ZD36P) (U903A)

BOTTOM (FOIL) SIDE

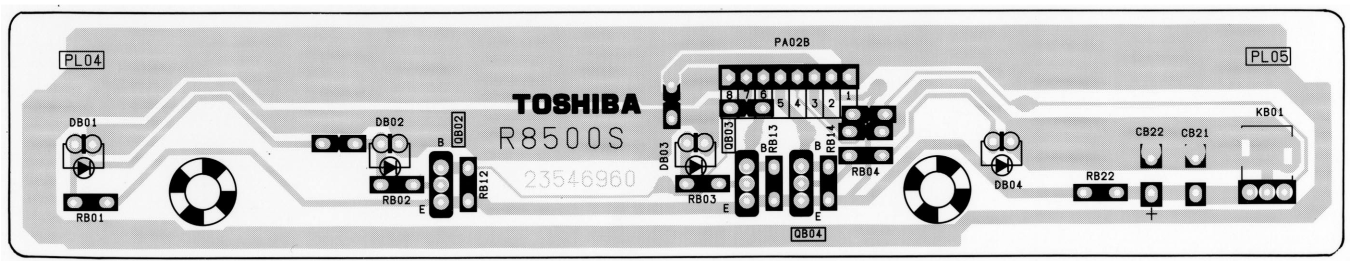
CONT-2 BOARD PD0493H-3 (32ZD36P) (U903C)
CONT-2 BOARD PD0493G-3 (36ZD36P) (U903C)

BOTTOM (FOIL) SIDE



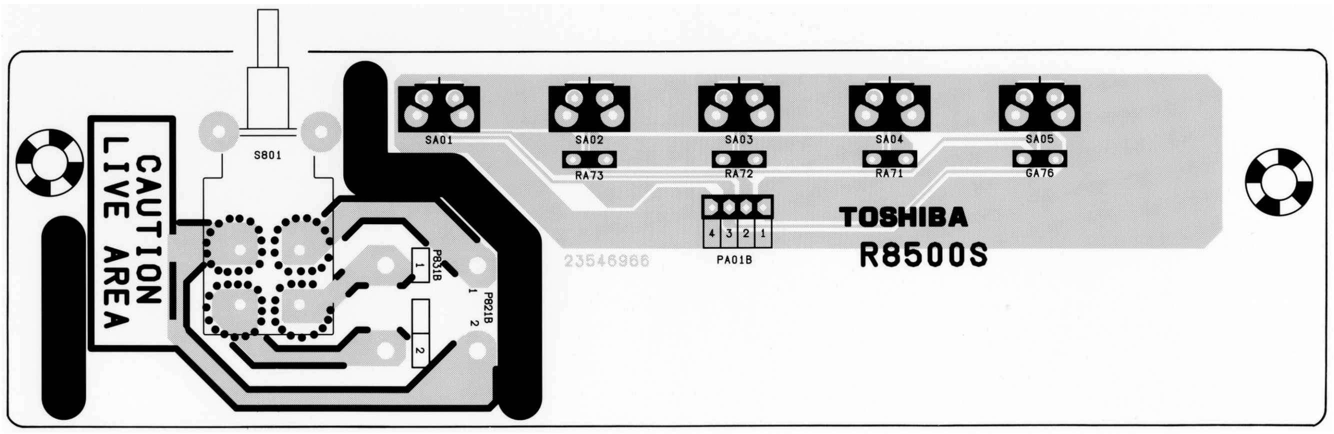
INDICATOR BOARD PD00493H-2 (32ZD36P) (U903B)
INDICATOR BOARD PD00493G-2 (36ZD36P) (U903B)

BOTTOM (FOIL) SIDE



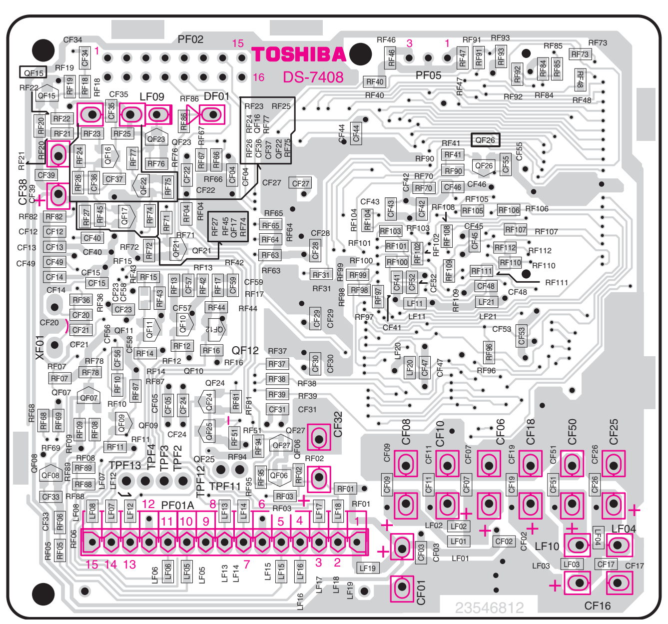
CONT-1 BOARD PD0515A

BOTTOM (FOIL) SIDE



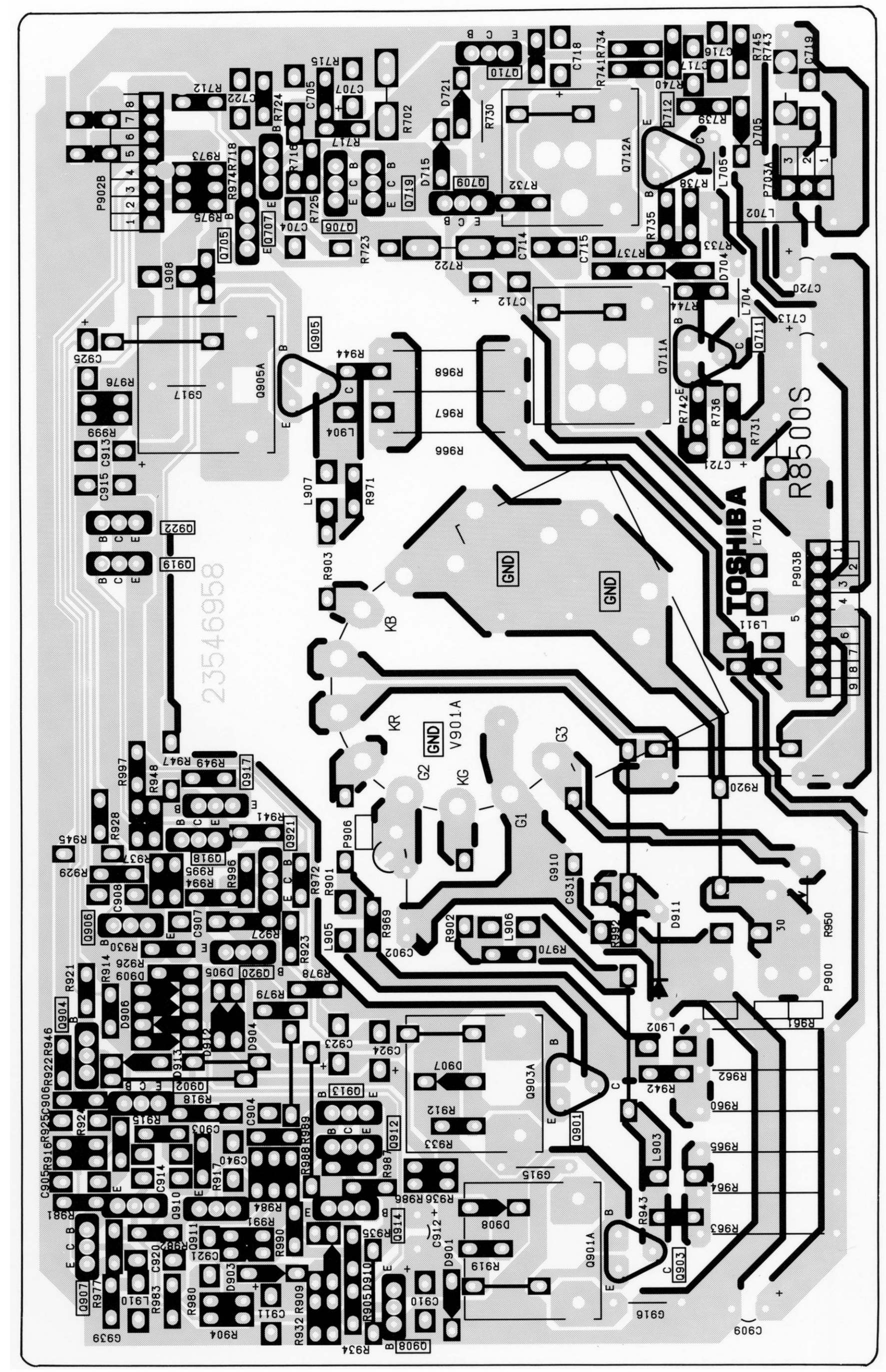
TEXT-M2 BOARD PD0216B

BOTTOM (FOIL) SIDE



CRT-D BOARD PD0491K (32ZD36P) (U901)
CRT-D BOARD PD0491J (36ZD36P) (U901)

BOTTOM (FOIL) SIDE



U903B INDICATOR BOARD

U903C CONTROL BOARD

U905 CONT-1 BOARD

U903A POWER BOARD

U904 DEF BOARD

BAZOOKA
WOOFER-SPK

U905 D-IN BOARD
PD0549B

U906 EXT-SPK BOARD
PD0206A

U902 SIGNAL BOARD
PD1007B

U901 CRT-D BOARD

SHEET No.	CIRCUIT NAME
1	CONNECTORS
2	MICRO
3	AV
4	COMB & MCD
5	BEP
6	AUDIO
7	IF
8	LOW-B REG.
9	FREQ_DET
10	TEXT
99	SUB MATERIALS

32ZD36P/36ZD36P
SIGNAL (CONNECTORS)
SHEET-1/10

for Production

PB14
5P_2.5mm

QA01
CXP750010-308S

QA01A
SHIELD_COVER

QA61
AT24C256-10P1-2.7

QA02
AT24C64A-10P1-2.7

QR01
MB90096P-232

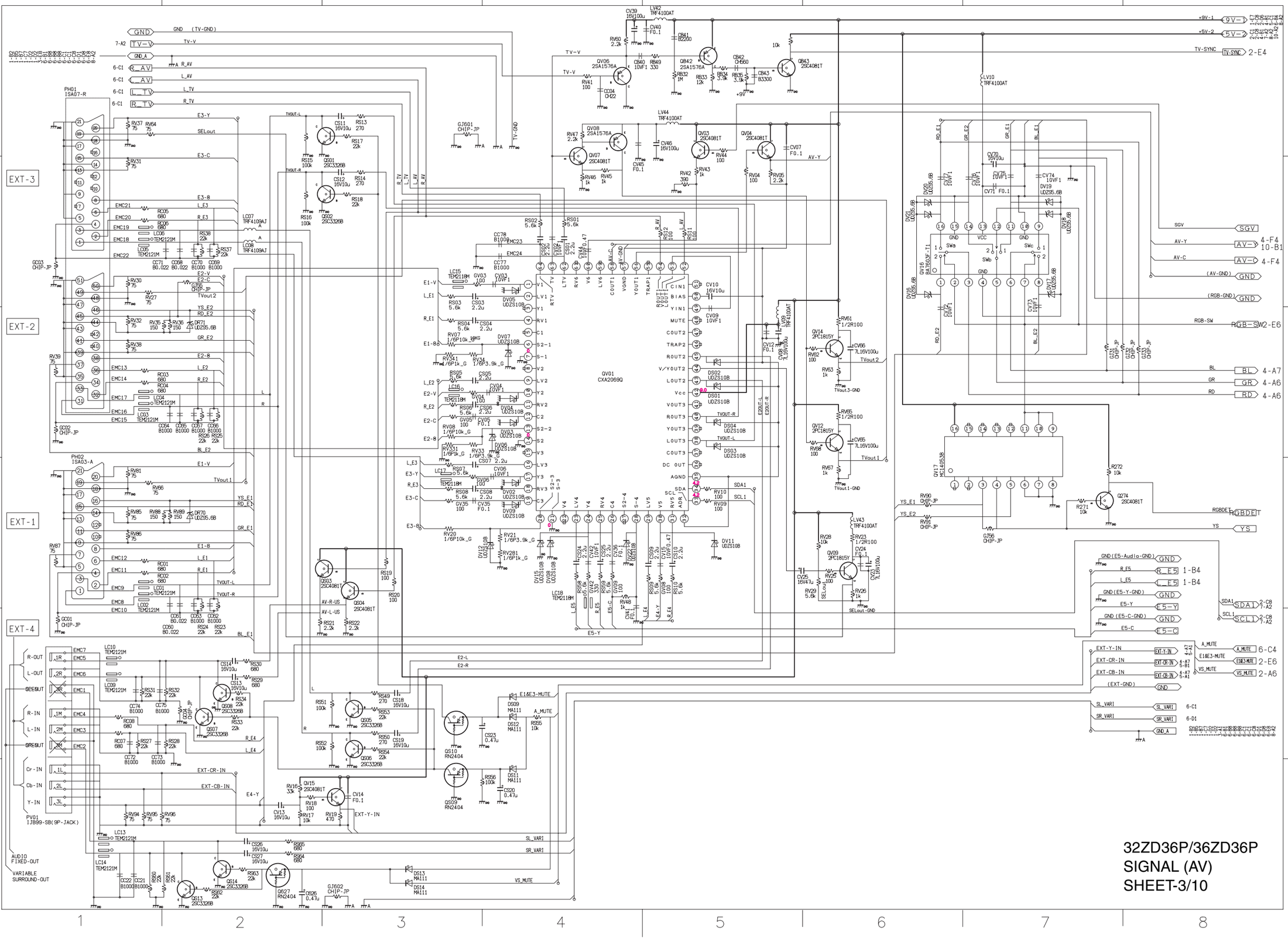
QA05
PST9146NL

QR11
2SA1576A

QV02
2SC4081T

32ZD36P/36ZD36P
SIGNAL (MICRO)
SHEET-2/10

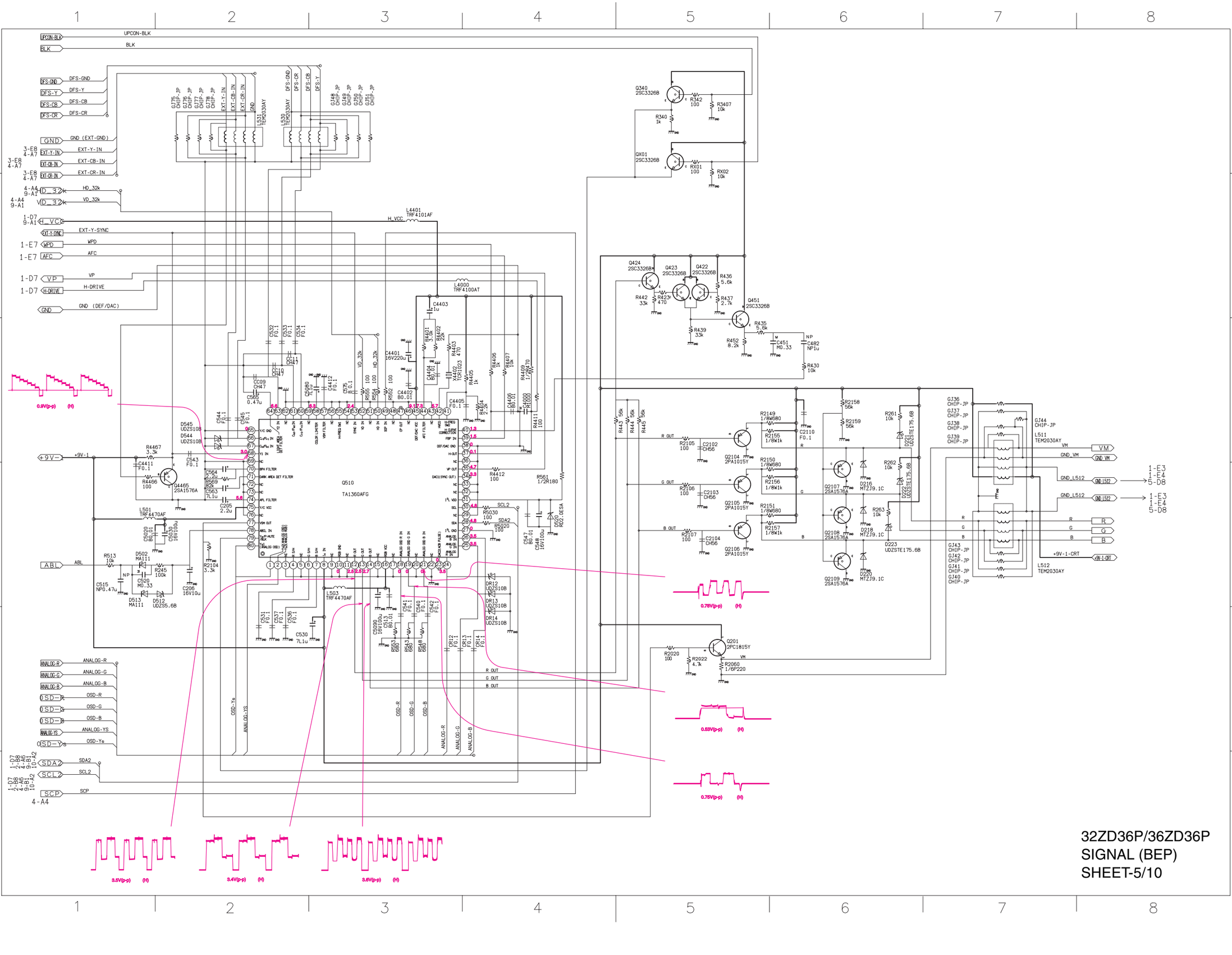
(2/15)


EXT-3
EXT-2
EXT-1
EXT-4
PH01 1SA07-R
PH02 1SA03-A
PV01 1JB99-SB(9P-JACK)
QV01 CXA2069Q
GND (TV-GND)
TV-V
R_AV
L_AV
L_TV
R_TV
SELout
TVout1
TVout2
TVout3
EXT-CR-IN
EXT-CB-IN
EXT-Y-IN
SL_VAR
SR_VAR
VS_MUTE
A_MUTE
EI&E3-MUTE
SDA1
SCL1
AUDIO FIXED-OUT
VARIABLE SURROUND-OUT
32ZD36P/36ZD36P
SIGNAL (AV)
SHEET-3/10

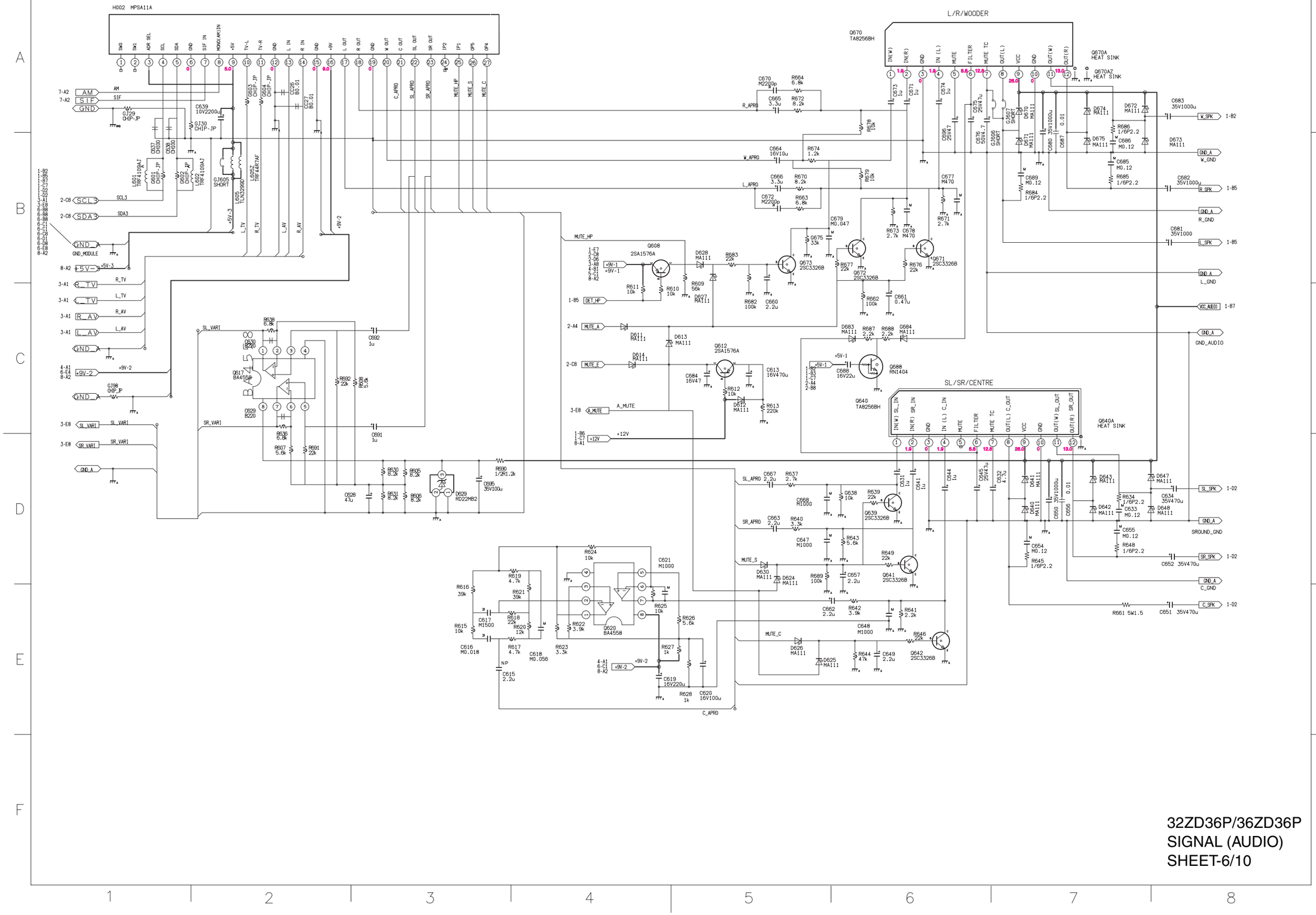
(3/15)

HX01
MDFS03
NEXT-DFS MODULE

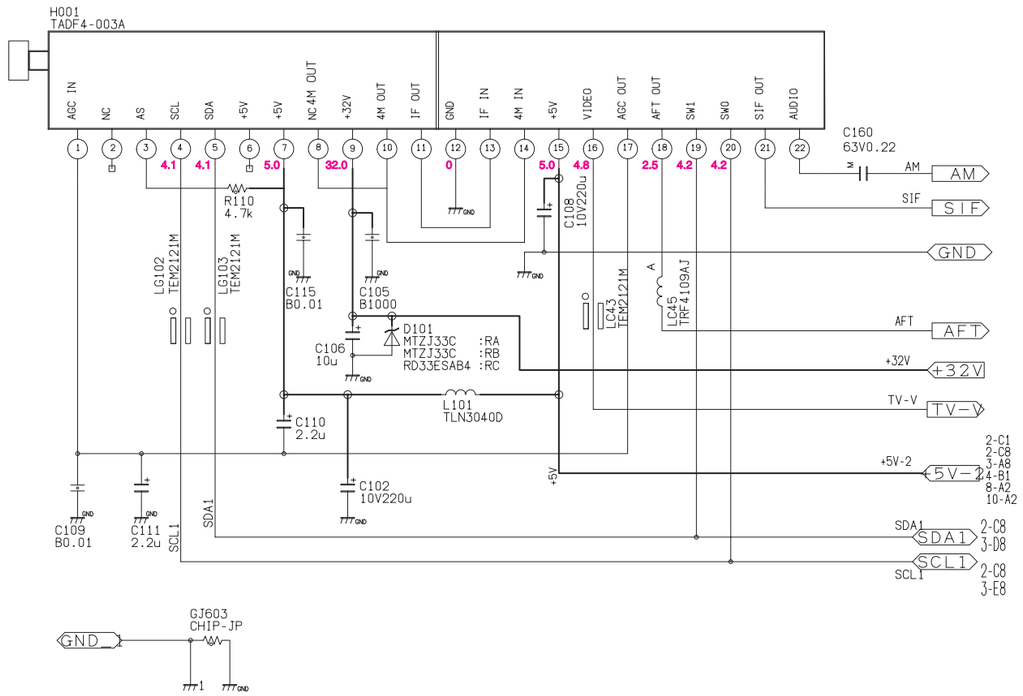
32ZD36P/36ZD36P
SIGNAL (COMB & MCD)
SHEET-4/10


UPCON-BLK
BLK
DFS-GND
DFS-Y
DFS-CB
DFS-CR
GND (EXT-GND)
EXT-Y-IN
EXT-CB-IN
EXT-CR-IN
HD_32k
VD_32k
H_VCC
EXT-Y-SYNC
WPD
AFC
VP
H-DRIVE
GND (DEF/DAC)
L4401 TRF4101AF
L4000 TRF4100AT
Q510 TA1360AFG
L501 TRF4470AF
L503 TRF4470AF
L530 TEM2030AY
L531 TEM2030AY
L511 TEM2030AY
L512 TEM2030AY
Q340 2SC3326B
QX01 2SC3326B
Q424 2SC3326B
Q423 2SC3326B
Q422 2SC3326B
Q451 2SC3326B
Q4465 2SA1576A
Q2104 2PA1015Y
Q2105 2PA1015Y
Q2106 2PA1015Y
Q2107 2SA1576A
Q2108 2SA1576A
Q2109 2SA1576A
Q201 2PC1815Y
0.9V(p-p) (H)
0.78V(p-p) (H)
0.53V(p-p) (H)
0.78V(p-p) (H)
3.5V(p-p) (H)
3.4V(p-p) (H)
3.6V(p-p) (H)
+9V
+9V-1
ABL
SDA2
SCL2
SCP
ANALOG-R
ANALOG-G
ANALOG-B
OSD-R
OSD-G
OSD-B
ANALOG-YS
OSD-Ys
R_OUT
G_OUT
B_OUT
VM
GND_VM
GND_L512
+9V-1-CRT
32ZD36P/36ZD36P
SIGNAL (BEP)
SHEET-5/10

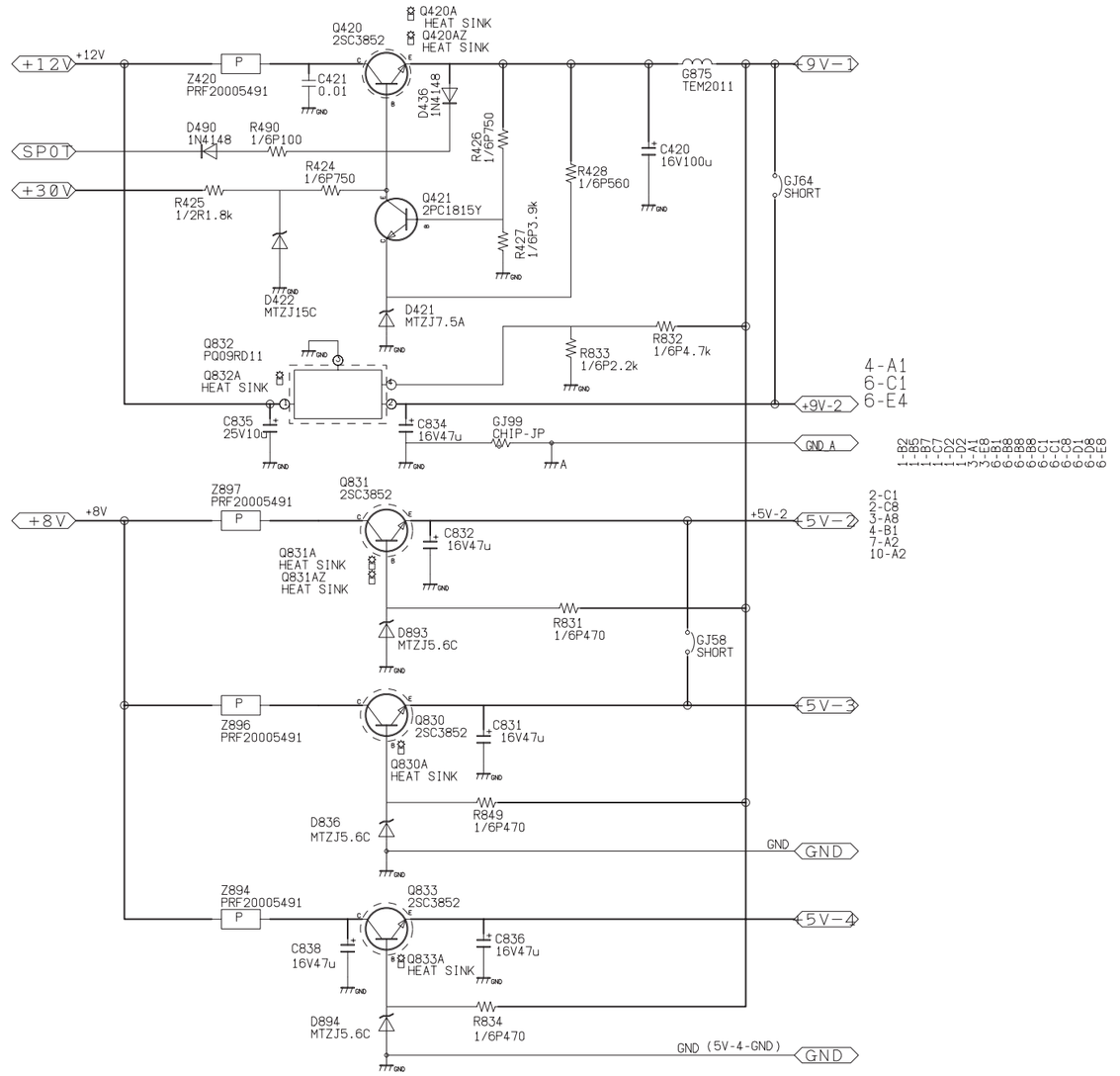
(5/15)


H002 MPSA11A
L/R/WOODER
SL/SR/CENTRE
Q670 TA8256BH
Q640 TA8256BH
Q608 2SA1576A
Q612 2SA1576A
Q617 BA4558
Q620 BA4558
Q688 RN1404
Q670A HEAT SINK
Q670AZ HEAT SINK
Q640A HEAT SINK
AM
SIF
GND
SCL3
SDA3
GND_MODULE
+5V-3
R_TV
L_TV
R_AV
L_AV
+9V-2
SL_VAR1
SR_VAR1
A_MUTE
+12V
MUTE_HP
DET_HP
MUTE_A
MUTE_E
MUTE_S
MUTE_C
C_APR0
SL_APR0
SR_APR0
W_APR0
L_APR0
R_APR0
W_SPK
GND_A W_GND
R_SPK
GND_A R_GND
L_SPK
GND_A L_GND
VCC_AUDIO
GND_A GND_AUDIO
SL_SPK
GND_A SROUND_GND
SR_SPK
GND_A C_GND
C_SPK
32ZD36P/36ZD36P
SIGNAL (AUDIO)
SHEET-6/10

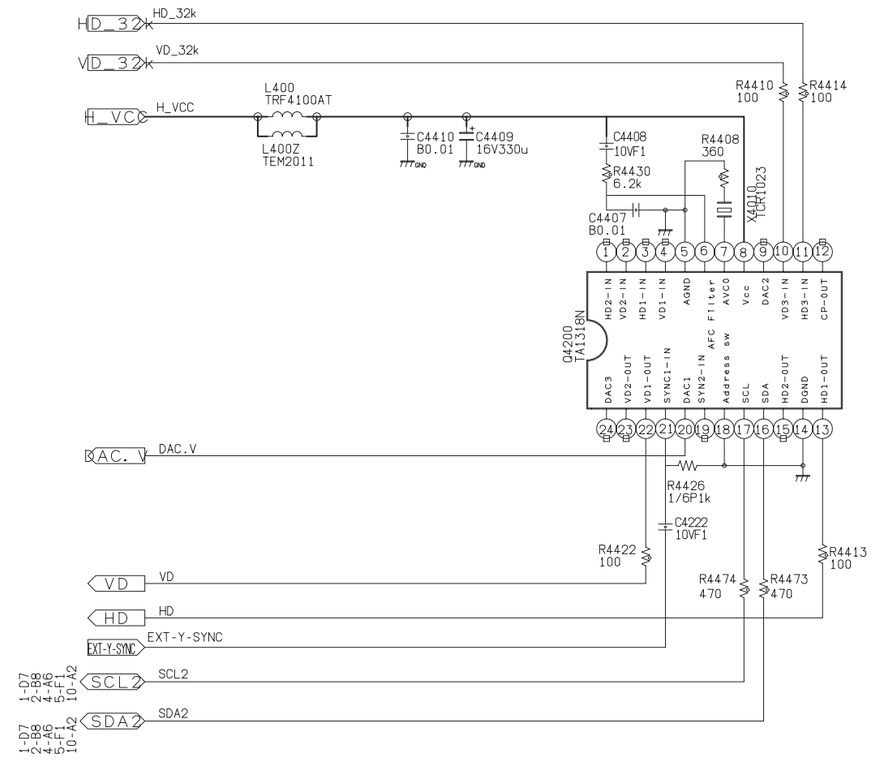
(6/15)



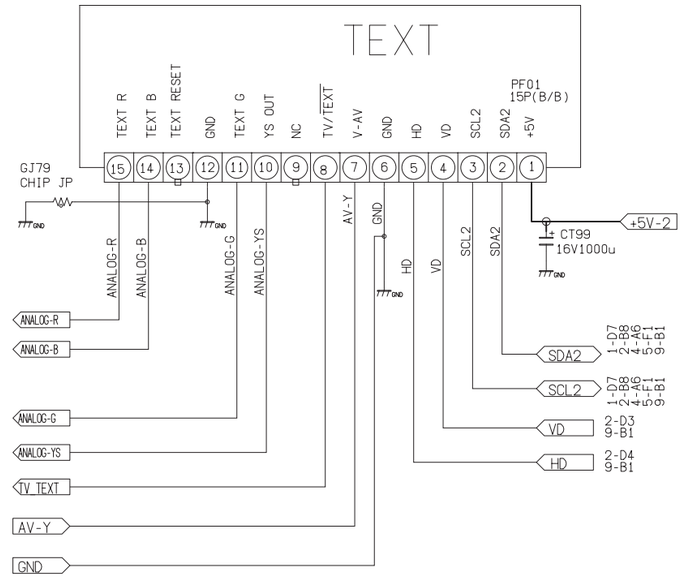
32ZD36P/36ZD36P
SIGNAL (IF)
SHEET-7/10



32ZD36P/36ZD36P
SIGNAL (LOW-B REGULATOR)
SHEET-8/10

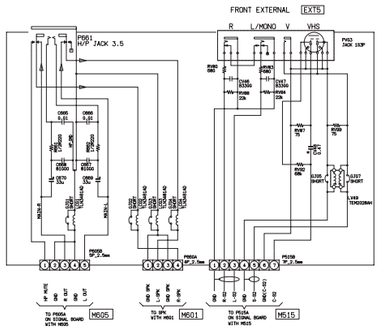


32ZD36P/36ZD36P
SIGNAL (FREQ_DET)
SHEET-9/10

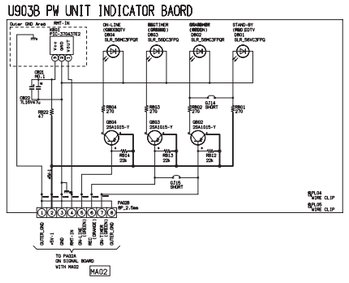


32ZD36P/36ZD36P
SIGNAL (TEXT)
SHEET-10/10

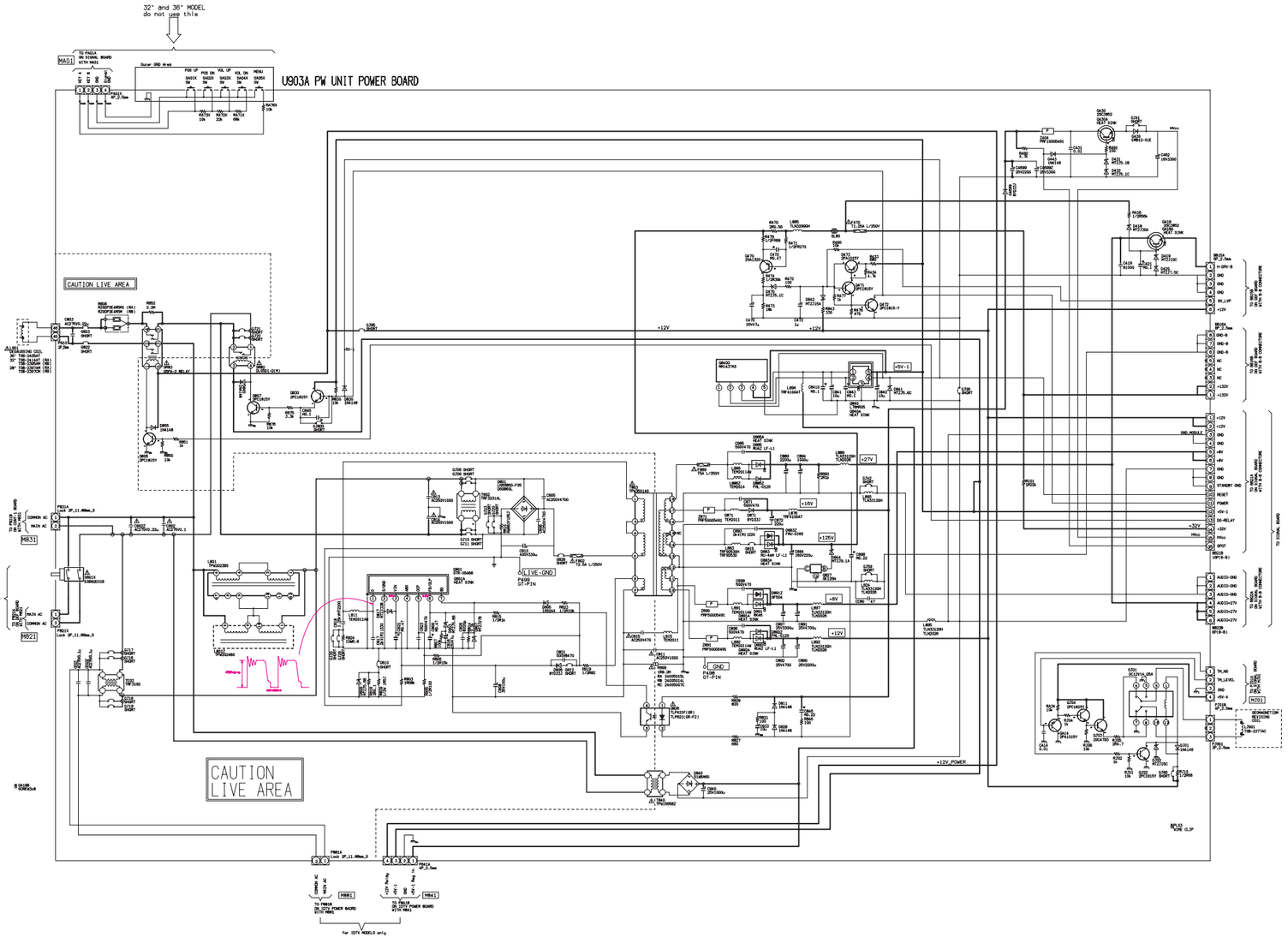
U903C PW UNIT CONT-2 BAORD



U903B PW UNIT INDICATOR BAORD

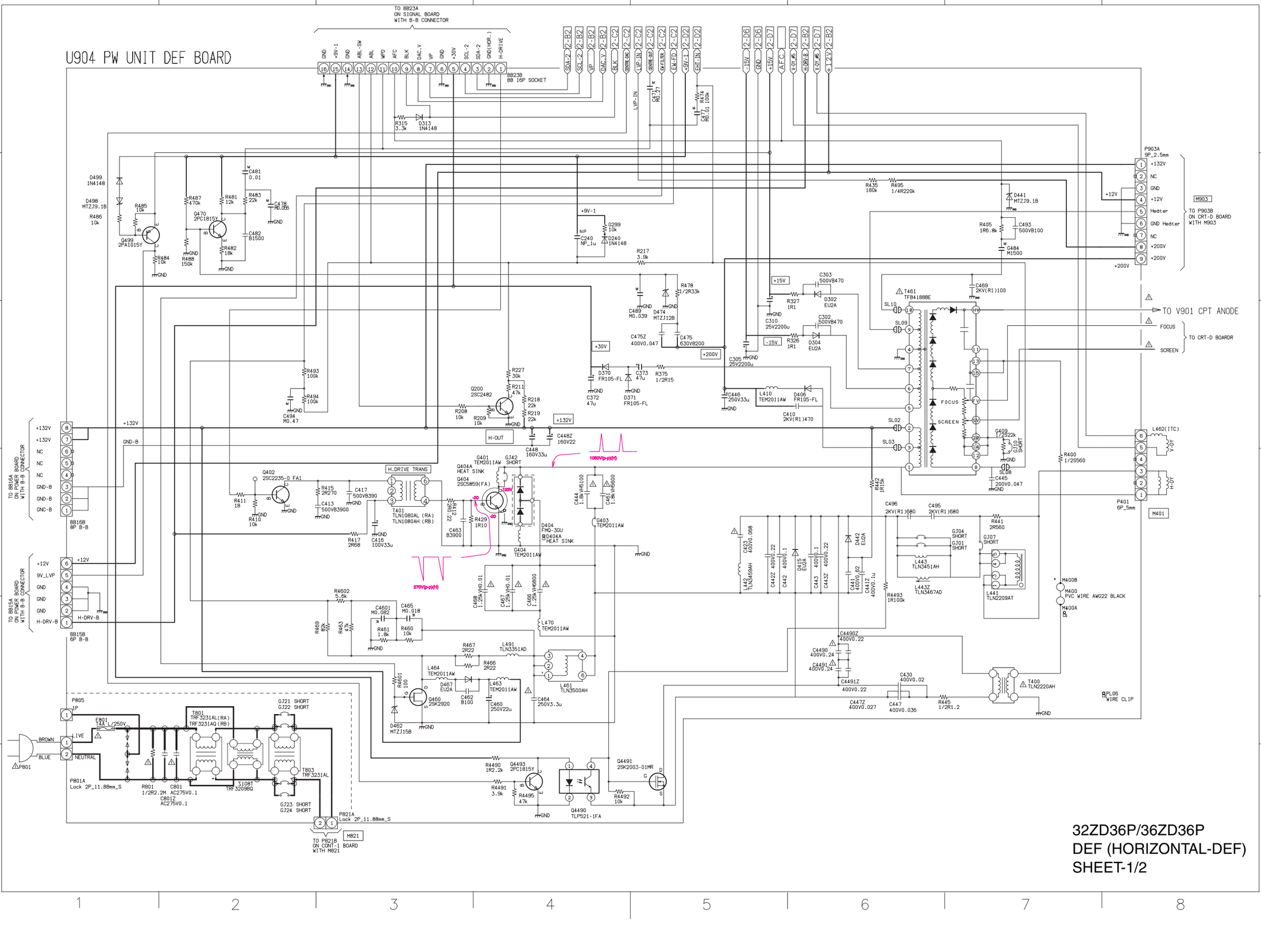


U903A PW UNIT POWER BOARD



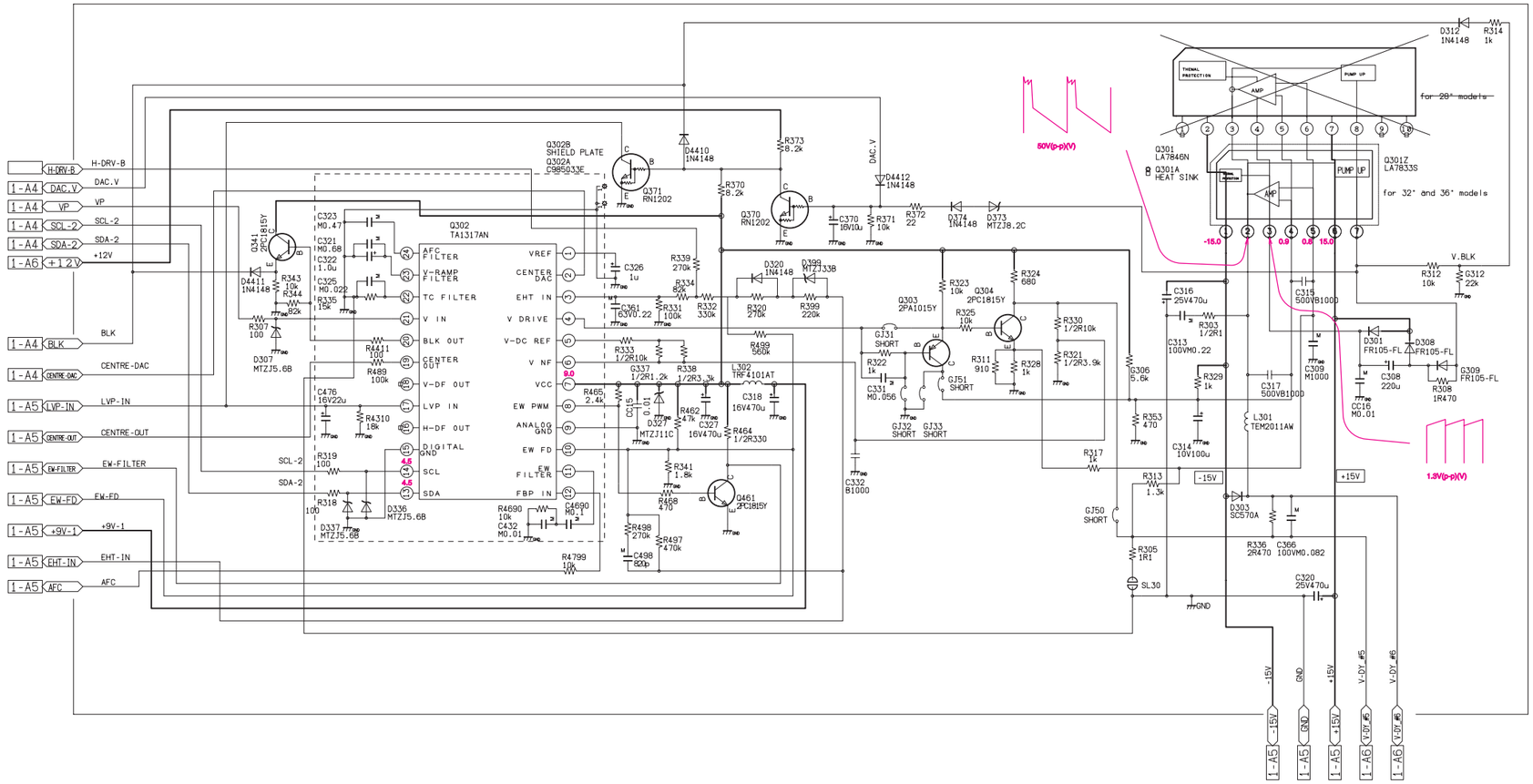
32ZD36P/36ZD36P
POWER_INDI_CONT

U904 PW UNIT DEF BOARD



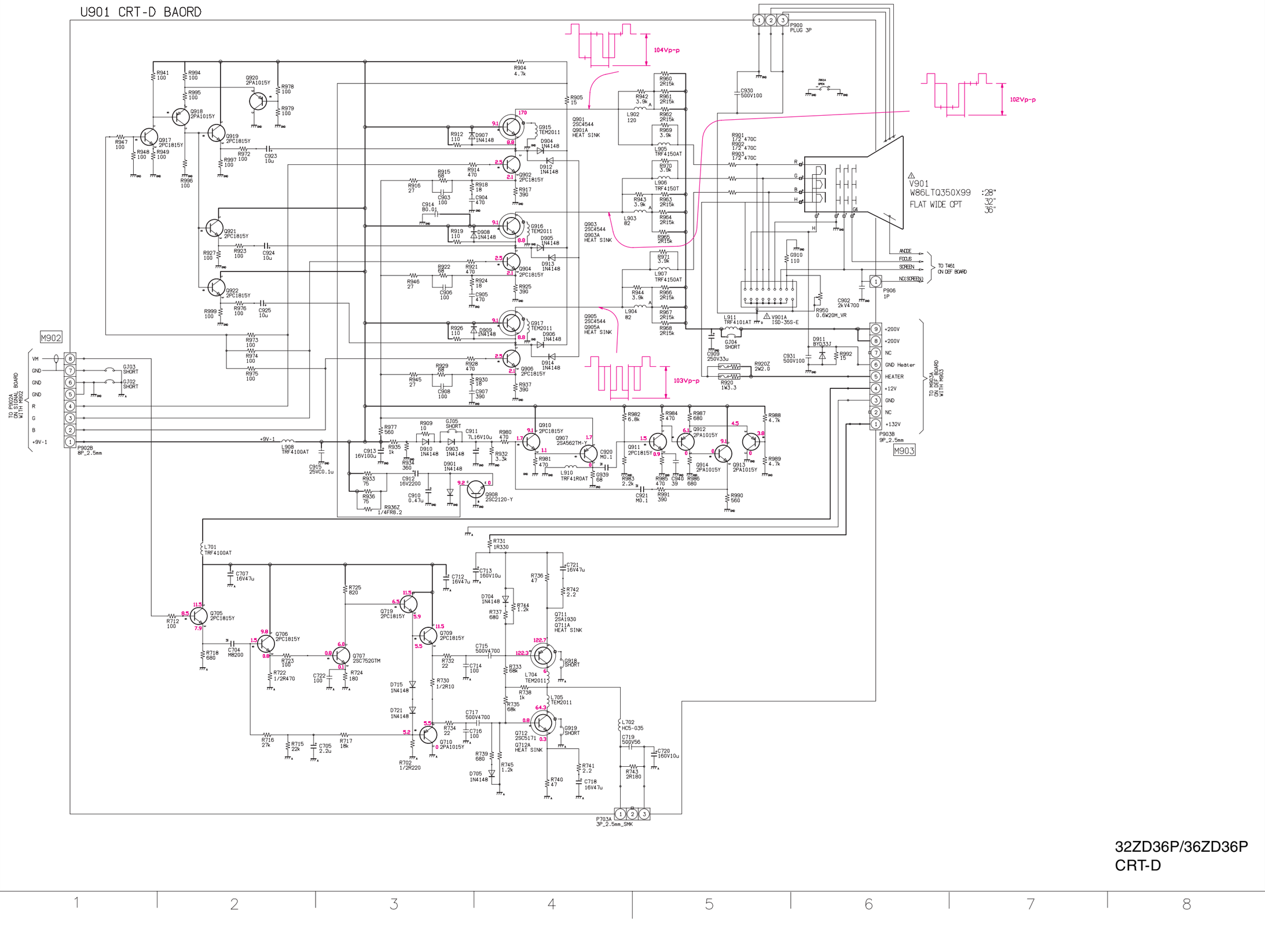
32ZD36P/36ZD36P
DEF (HORIZONTAL-DEF)
SHEET-1/2

U904 PW UNIT DEF BOARD

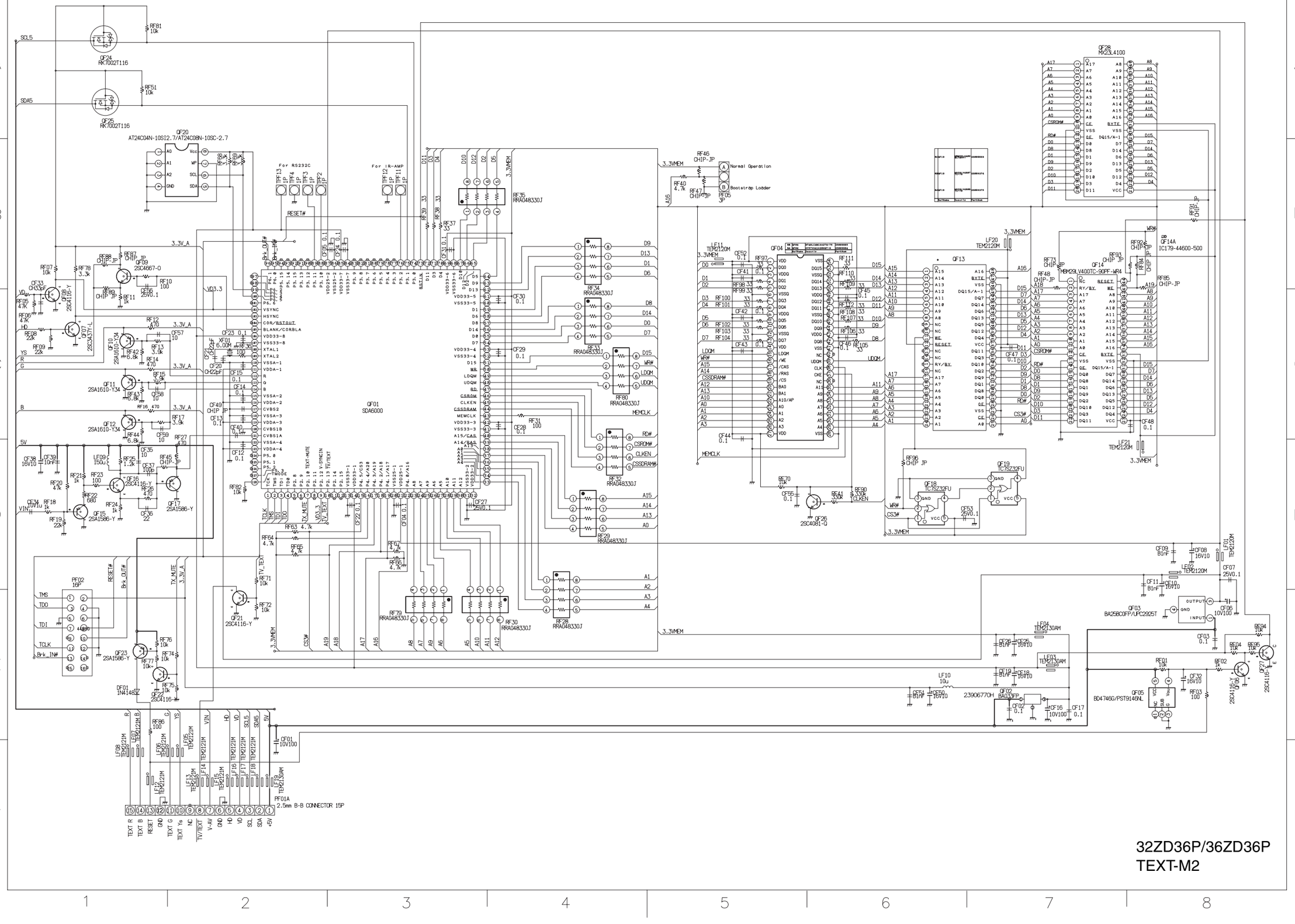


32ZD36P/36ZD36P
DEF (VERTICAL-DEF)
SHEET-2/2

U901 CRT-D BAORD



32ZD36P/36ZD36P
CRT-D



32ZD36P/36ZD36P
TEXT-M2

SPECIFICATIONS

Input Power Rating: AC 220 ~ 240 Volts, 50 Hz

Aerial Input Impedance: 75 ohm unbalanced type for VHF, UHF and CATV

Receiving Channels:

System	Channel	VHF	UHF	CATV	
PAL B/G	CCIR	2 ~ 12	21 ~ 69	S1 ~ S41	X ~ Z + 2,
SECAM B/G	CCIR	2 ~ 12	21 ~ 69	S1 ~ S41	X ~ Z +2,
PAL D/K	CHINA	1 ~ 12	13 ~ 57	Z-1 ~ Z-35	
PAL I	UK		21 ~ 69		
SECAM D/K	OIRT	1 ~ 12	21 ~ 69	X-1 ~ X-19	
SECAM L FRANCE/CCIR		FB ~ F6	21 ~ 69	X ~ Z + 2	S1 ~ S41

PAL, SECAM 50 Hz/60 Hz (For Video Disk play back)
4.43 NTSC (For VCR playback), 3.58 NTSC (For VCR playback)

Intermediate Frequencies:
Picture I-F carrier frequency ..... 38.9 MHz (L VL)
Sound I-F carrier frequency
B/G System ..... 33.4 MHz
D/K System ..... 32.4 MHz

Picture Tube: 32 inches, 760 mm (measured on diagonal of viewable picture area)
106° deflection

Sound Output: 10 W + 10 W (at 10% Distortion, Main)

Speakers: 60 mm × 120 mm oval, 2 pcs (Main)

Aux. Terminals: 21 pin socket (FULL), 21 pin socket (S-VIDEO/AV), MONITOR OUTPUT, STEREO HEADPHONE JACK (3.5mm).

DVD Terminal

Cabinet: Table type

Dimensions:
Height ..... 593 mm
Width ..... 902 mm
Depth ..... 549 mm

Mass: 54.0 kg

* Please refer to owner's manual in detail.

– END –

TOSHIBA CORPORATION
1-1, SHIBAURA 1-CHOME, MINATO-KU, TOKYO 105-8001, JAPAN