

SCHEMATIC DIAGRAM

MODEL : 21VZ5E / 21VZ5T

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

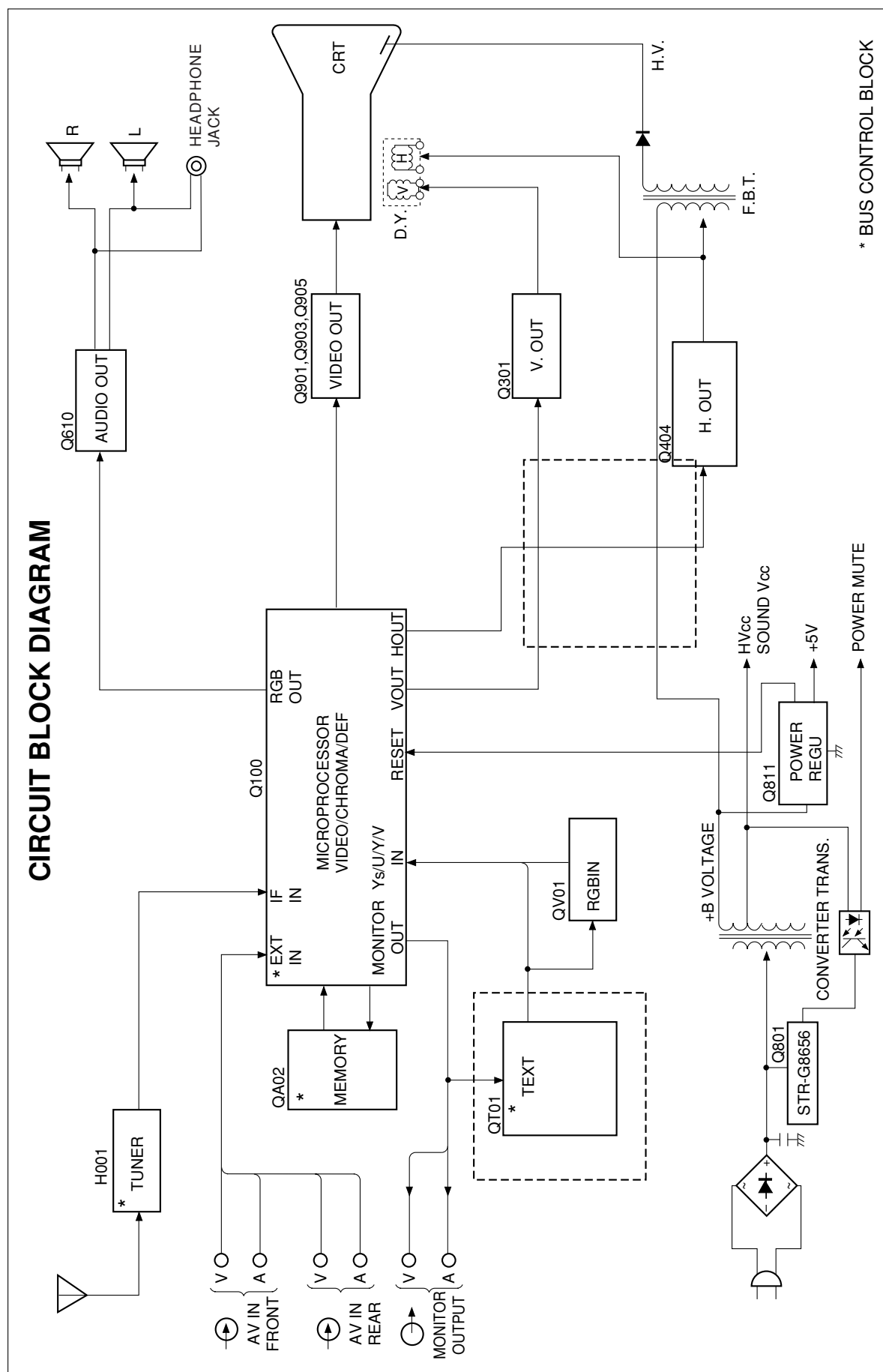
CAUTION: The international hazard symbols " $\triangle$ " in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting 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:

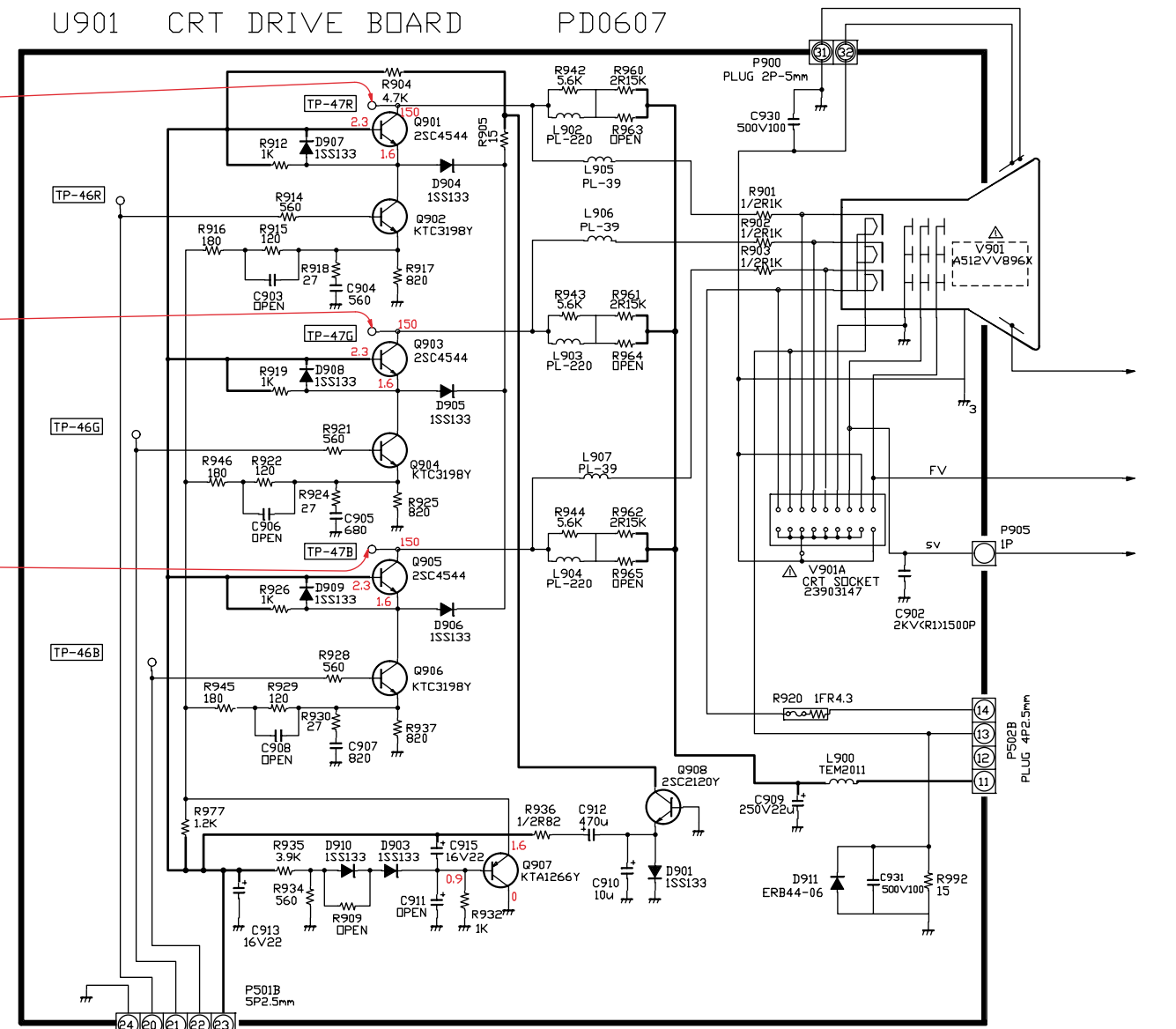
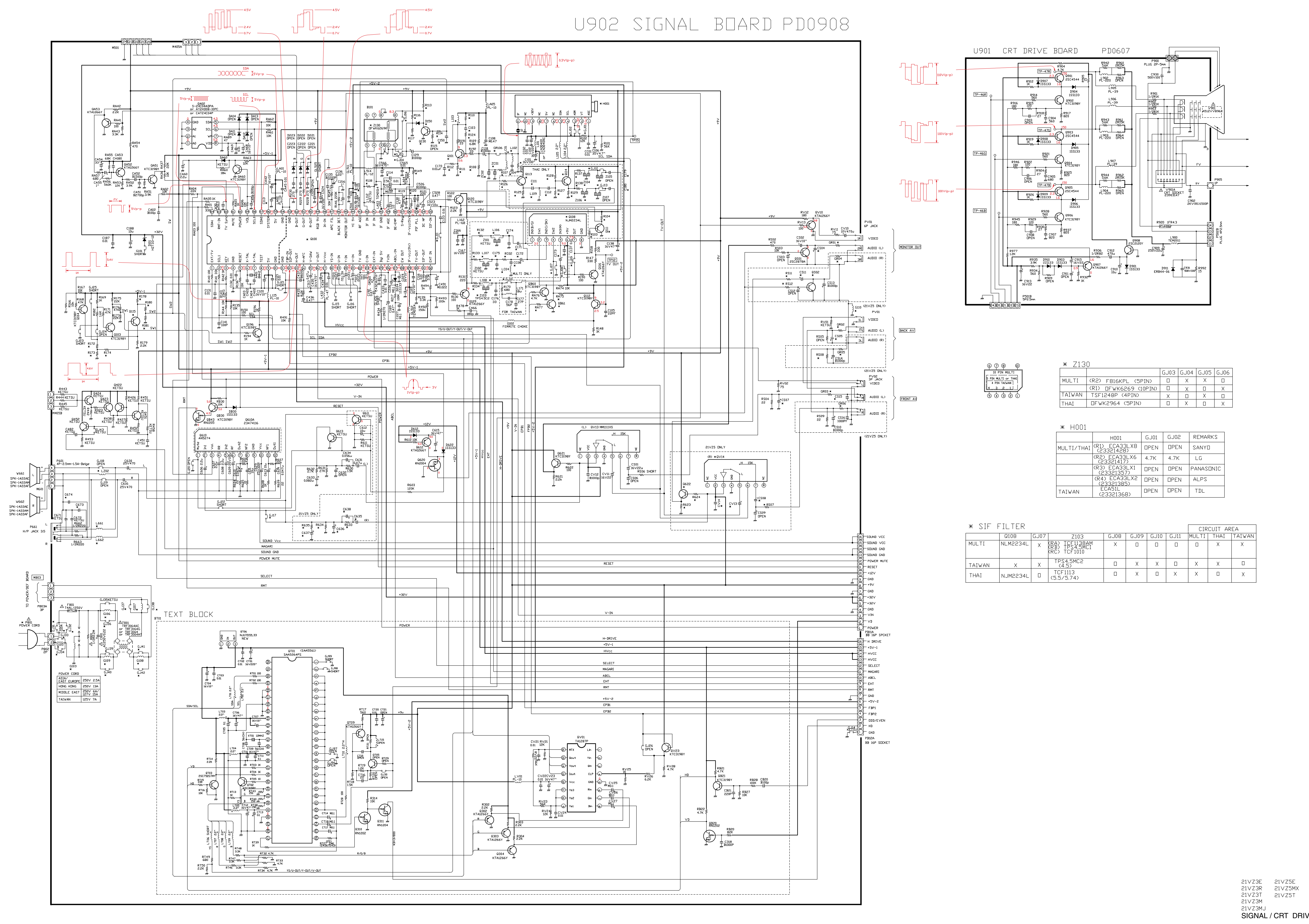
- 1. RESISTOR** Resistance is shown in ohm [K = 1.000, M = 1.000.000]. All resistors are 1/6W and 5% tolerance carbon resistor, unless otherwise noted as the following marks.
1/2R = Metal or Metal oxide of 1/2 watt 1/2S = Carbon composition of 1/2 watt
1RF = Fuse resistor of 1 watt 10W = Cement of 10 watt
K = $\pm 10\%$ G = $\pm 2\%$ F = $\pm 1\%$
- 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.
 Electrolytic capacitor  Mylar capacitor
- 3.** The parts indicated with " $\triangle$ " have special characteristics, and should be replaced with identical parts only.
- 4.** Voltages read with DIGITAL MULTI-METER from point indicated to chassis 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 $\pm 20\%$ except H.V.

■ SCHEMATIC DIAGRAM STRUCTURE:

MAIN / CRT DRIVE Circuit	1/3
POWER / DEF Circuit	2/3
DIFFERENCE TABLE	3/3



U902 SIGNAL BOARD PD0908



* Z130

		GJ03	GJ04	GJ05	GJ06
MULTI	(R2) F816KPL (5PIN)	0	X	X	0
TAIWAN	(R1) DFWK6269 (10PIN)	0	X	0	X
THAI	DFWK2964 (5PIN)	0	X	0	X

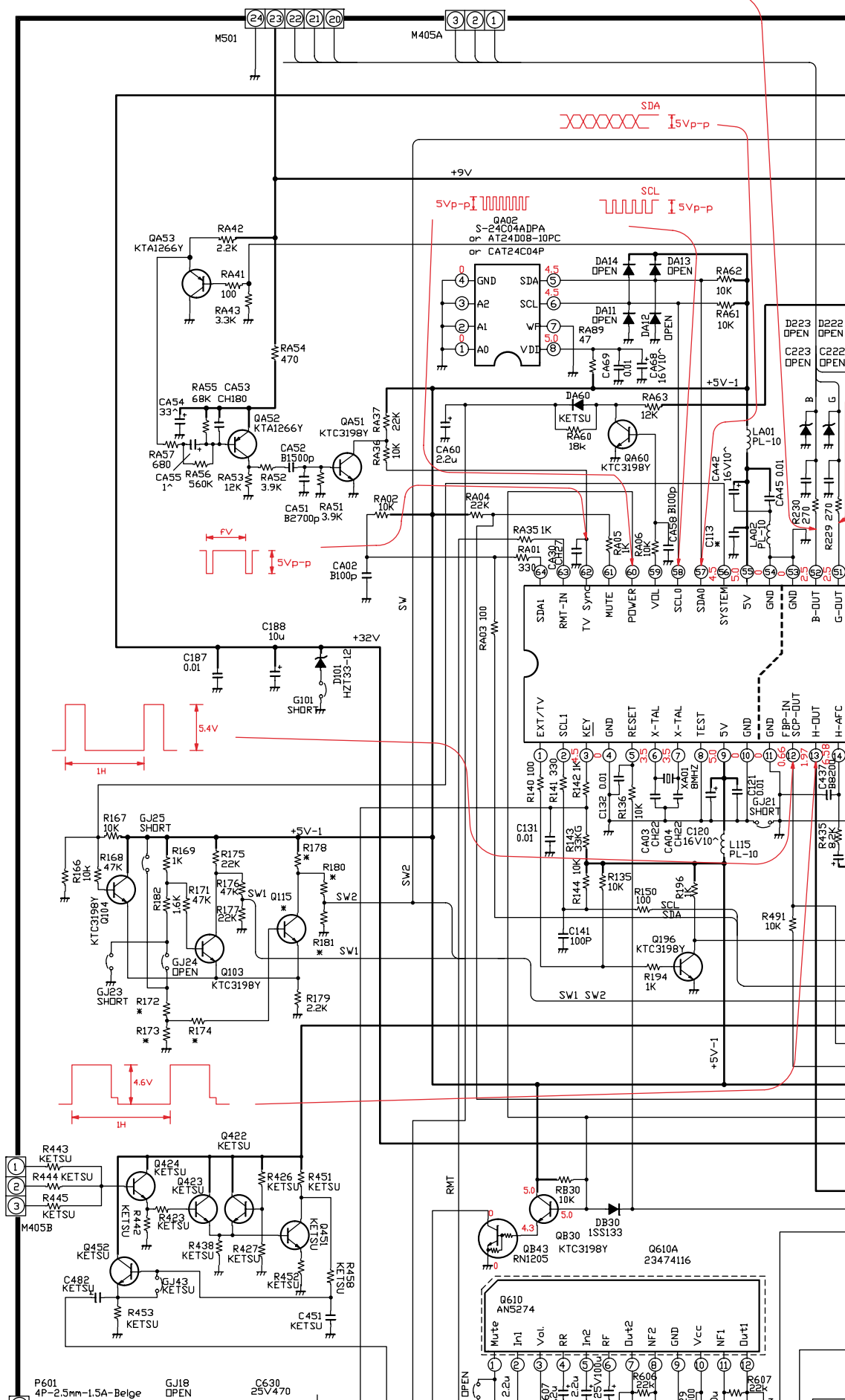
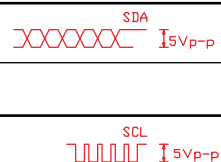
* H001

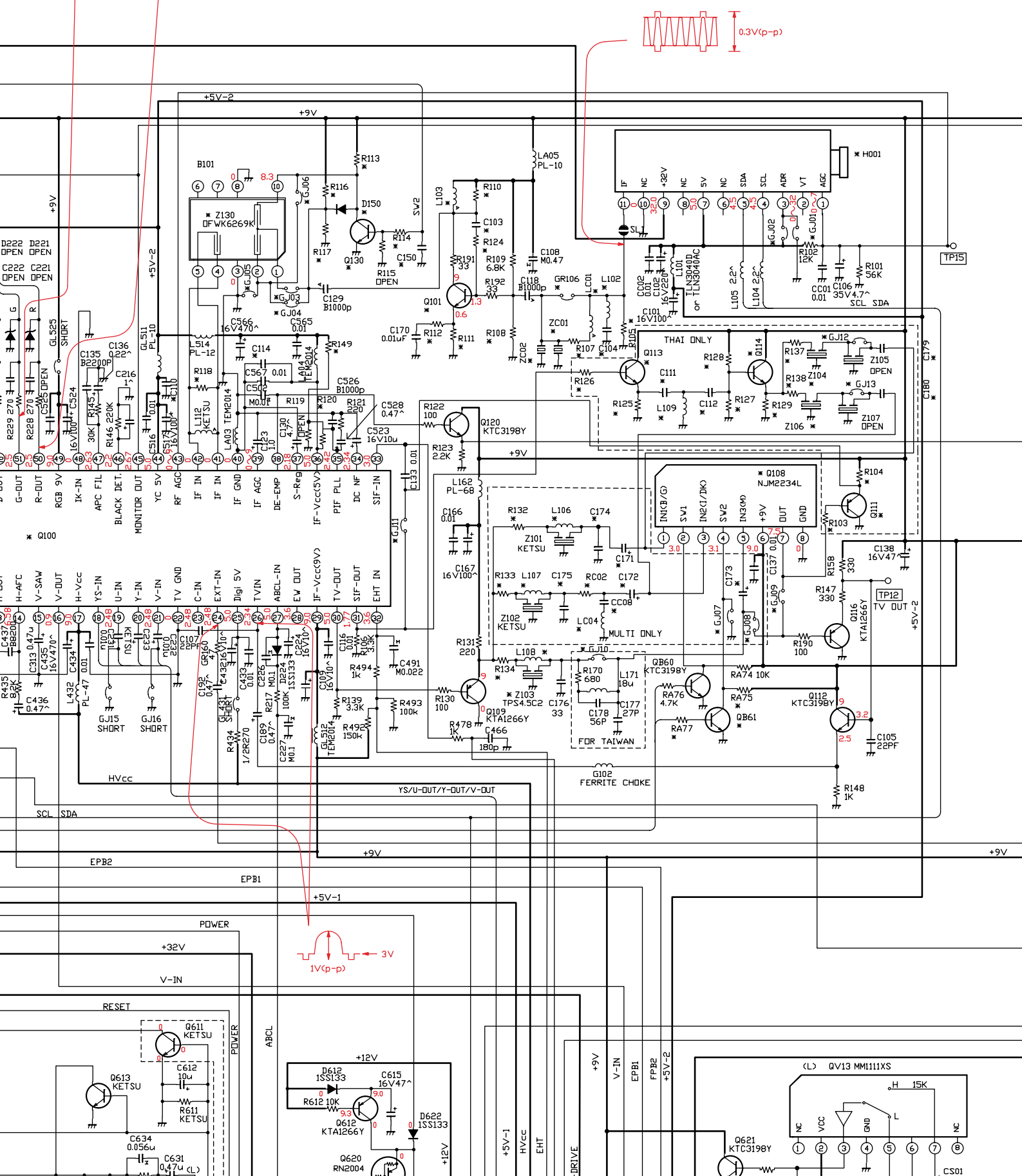
	H001	GJ01	GJ02	REMARKS
MULTI/THAI	(R1) ECA33LX8 (23321428)	OPEN	OPEN	SANYO
	(R2) ECA33LX6 (23321417)	4.7K	4.7K	LG
	(R3) ECA33LX1 (23321357)	OPEN	OPEN	PANASONIC
	(R4) ECA33LX2 (23321365)	OPEN	OPEN	ALPS
TAIWAN	ECAS1L (23321368)	OPEN	OPEN	TDL

* SIF FILTER

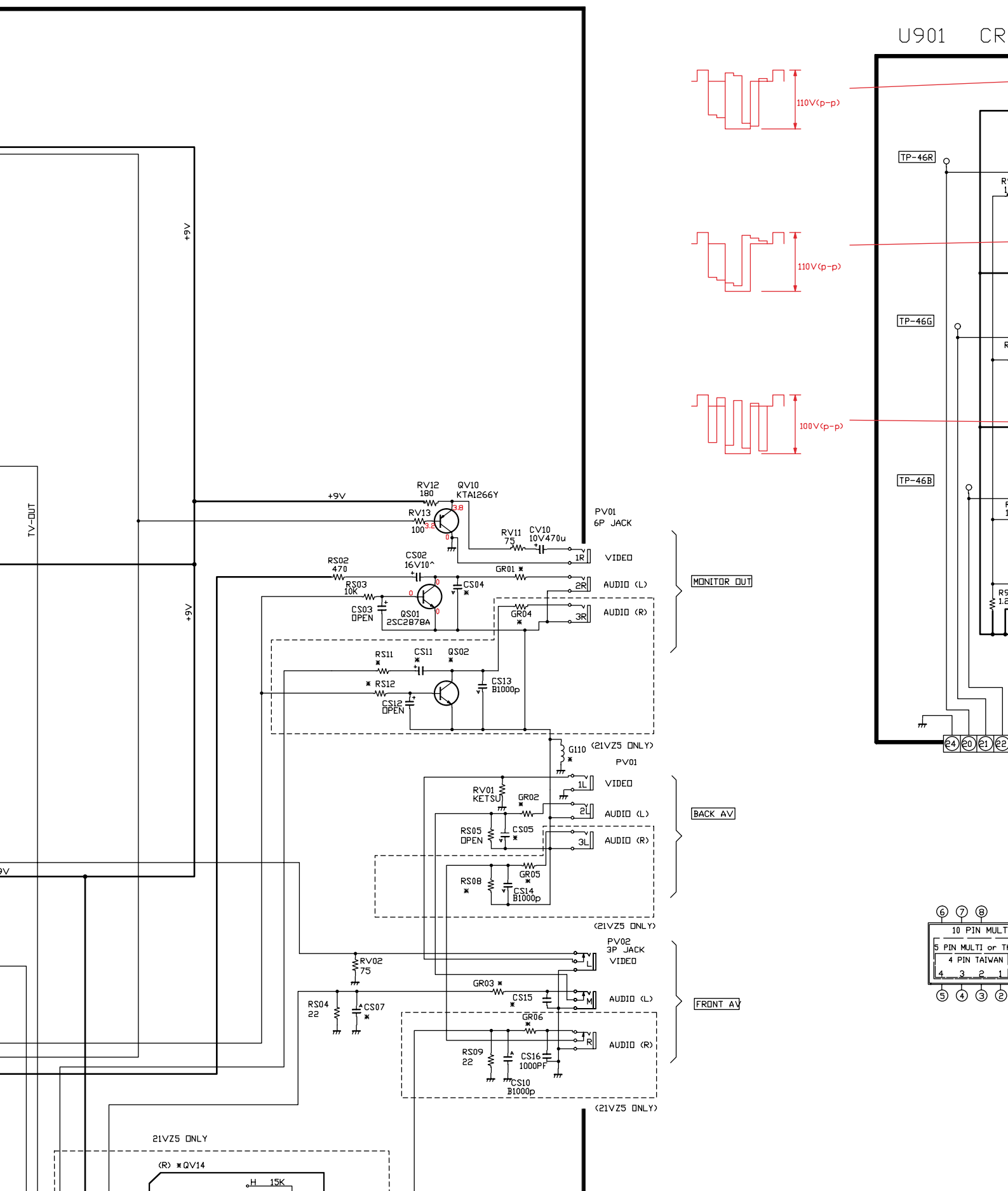
	G108	GJ07	Z103	GJ08	GJ09	GJ10	GJ11	CIRCUIT AREA		
	NLM2234L	X	(R2) TCF1138AM (R3) TCF138M (R4) TCF1010	X	0	0	0	MULTI	THAI	TAIWAN
TAIWAN	X	X	TPS45MC2 (4.5)	0	X	X	0	X	X	0
THAI	NJM2234L	0	TCF1113 (5.5/5.74)	0	X	0	X	X	0	X

21V23E 21V25E
21V23R 21V25M
21V23T 21V25T
21V23M
21V23MJ
SIGNAL / CRT DRIVE



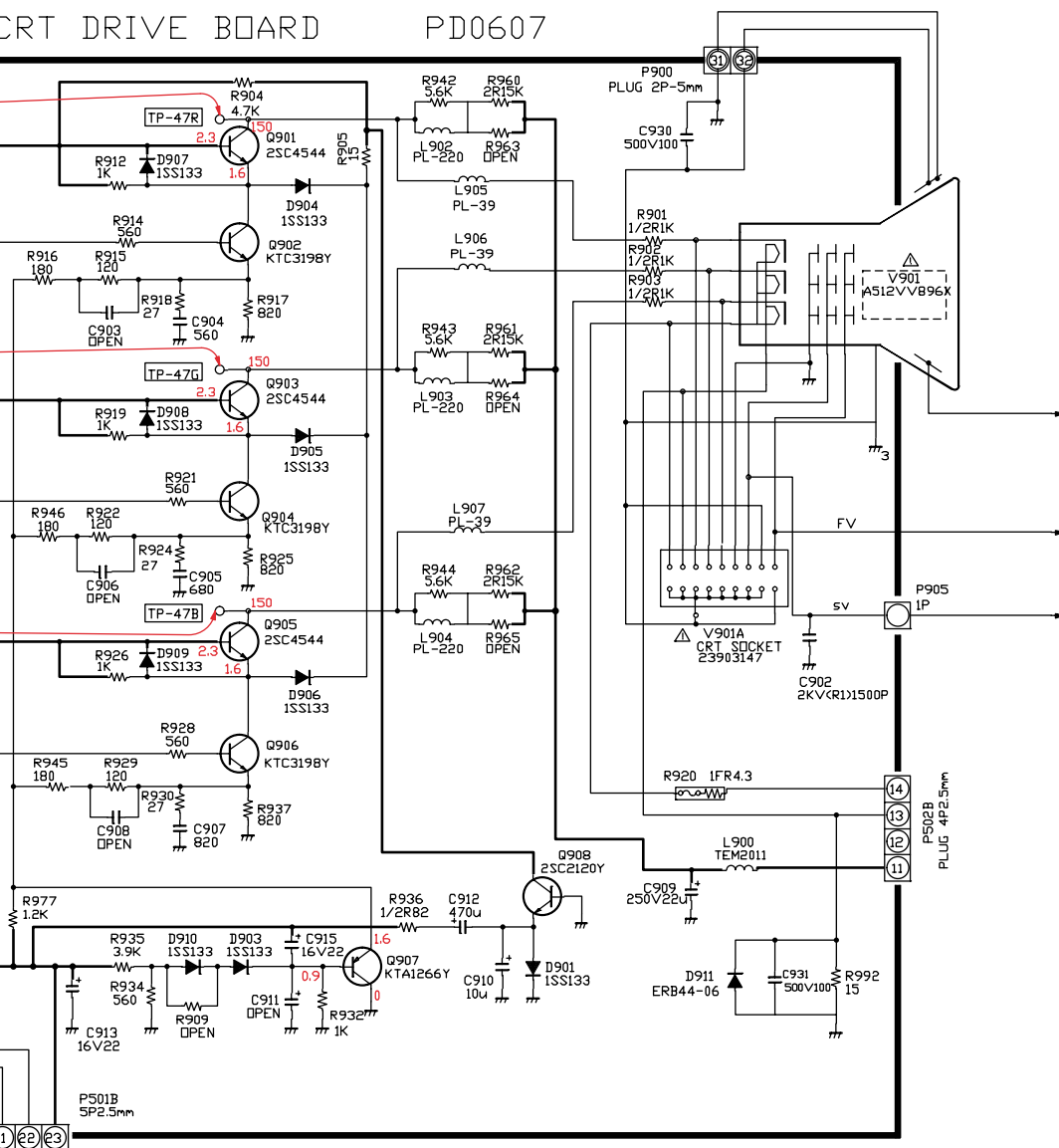


GNAL BOARD PD0908



CRT DRIVE BOARD

PD0607





	(R2) ECA33LX0 (23321417)	OPEN	OPEN	LG
	(R3) ECA33LX1 (23321357)	OPEN	OPEN	PANASONIC
	(R4) ECA33LX2 (23321385)	OPEN	OPEN	ALPS
TAIWAN	ECA51L (23321368)	OPEN	OPEN	TDL

G

FILTER							CIRCUIT AREA		
Q108	GJ07	Z103	GJ08	GJ09	GJ10	GJ11	MULTI	THAI	TAIWAN
LM2234L	X	(RA) TCF1138AM (RB) TPS4.5MC1 (RC) TCF1010	X	□	□	□	□	X	X
X	X	TPS4.5MC2 (4.5)	□	X	X	□	X	X	□
JM2234L	□	TCF1113 (5.5/5.74)	□	X	□	X	X	□	X

H

I

J

K

21VZ3E 21VZ5E
21VZ3R 21VZ5MX
21VZ3T 21VZ5T
21VZ3M
21VZ3MJ
SIGNAL / CRT DRIVE

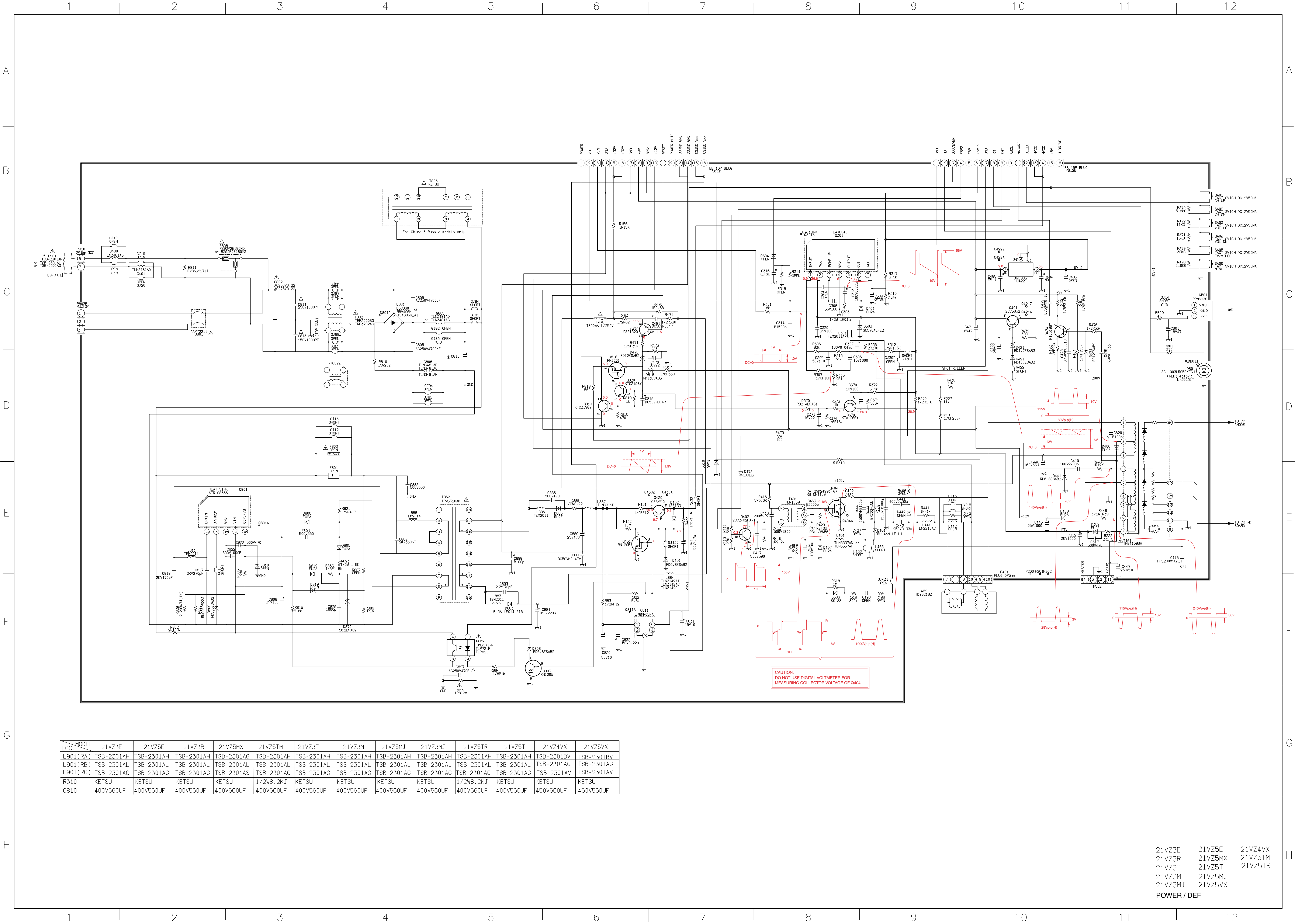
L

13

14

15

16



LOC.	MODEL	21VZ3E	21VZ5E	21VZ3R	21VZ5MX	21VZ5TM	21VZ3T	21VZ3M	21VZ5MJ	21VZ3MJ	21VZ5TR	21VZ5T	21VZ4VX	21VZ5VX
L901(RA)	TSB-2301AH	TSB-2301AH	TSB-2301AH	TSB-2301AG	TSB-2301AH	TSB-2301AH	TSB-2301AH	TSB-2301AH	TSB-2301AH	TSB-2301AH	TSB-2301AH	TSB-2301AH	TSB-2301BV	TSB-2301BV
L901(RB)	TSB-2301AL	TSB-2301AL	TSB-2301AL	TSB-2301AL	TSB-2301AL	TSB-2301AL	TSB-2301AL	TSB-2301AL	TSB-2301AL	TSB-2301AL	TSB-2301AL	TSB-2301AL	TSB-2301AG	TSB-2301AG
L901(RC)	TSB-2301AG	TSB-2301AG	TSB-2301AG	TSB-2301AS	TSB-2301AG	TSB-2301AG	TSB-2301AG	TSB-2301AG	TSB-2301AG	TSB-2301AG	TSB-2301AG	TSB-2301AG	TSB-2301AV	TSB-2301AV
R310	KETSU	KETSU	KETSU	KETSU	1/2W8.2KJ	KETSU	KETSU	KETSU	KETSU	1/2W8.2KJ	KETSU	KETSU	KETSU	KETSU
C810	400V560UF	400V560UF	400V560UF	400V560UF	400V560UF	400V560UF	400V560UF	400V560UF	400V560UF	400V560UF	400V560UF	400V560UF	450V560UF	450V560UF

21VZ3E 21VZ5E 21VZ4VX
21VZ3R 21VZ5MX 21VZ5TM
21VZ3T 21VZ5T 21VZ5TR
21VZ3M 21VZ5MJ
21VZ3MJ 21VZ5VX
POWER / DEF

1

2

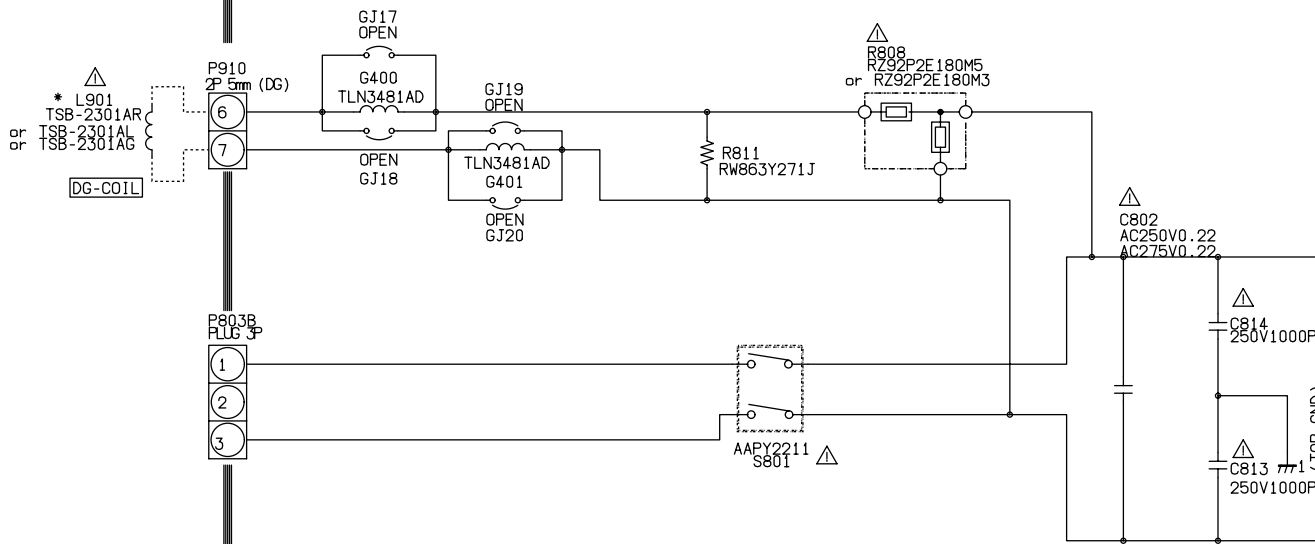
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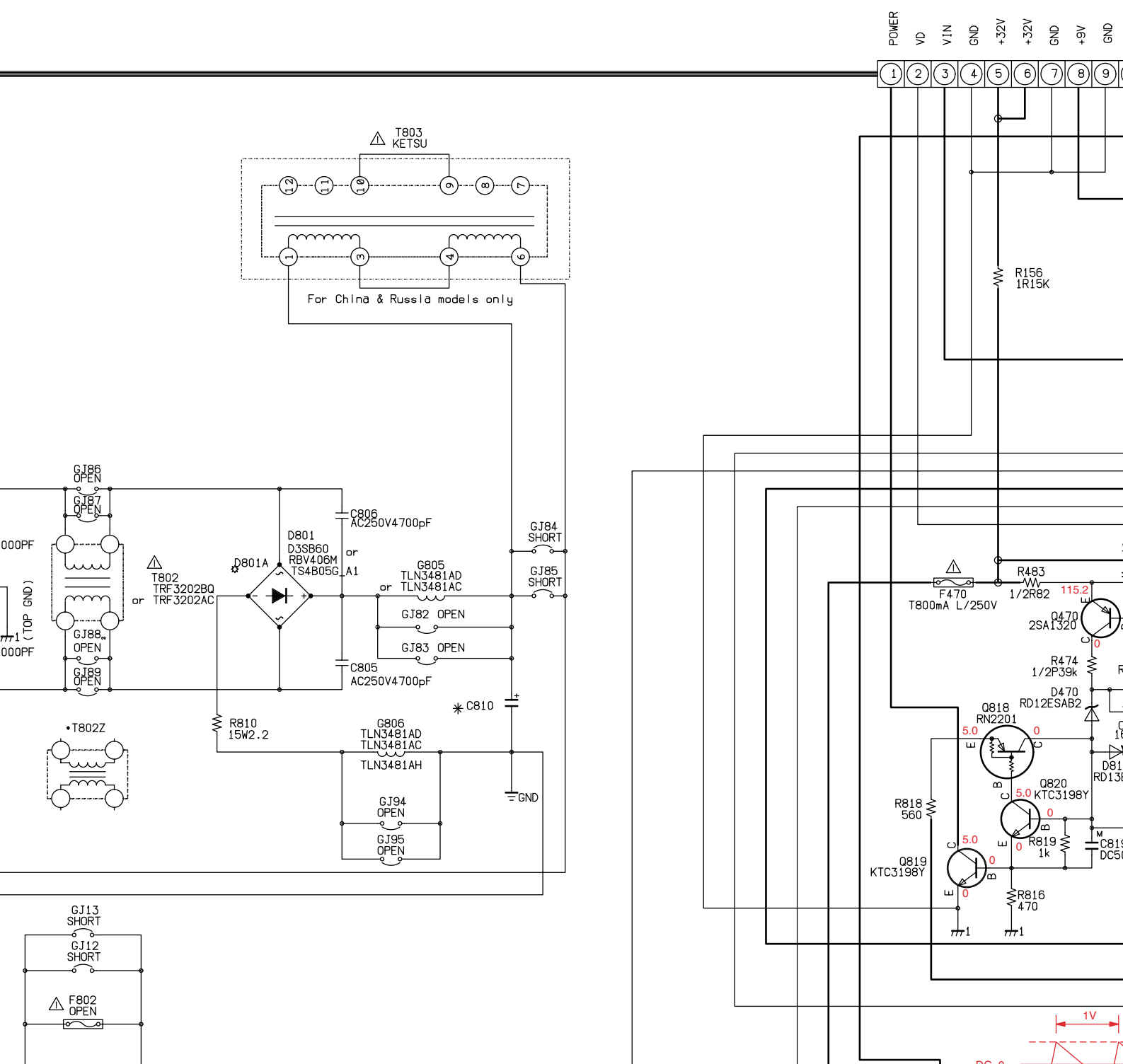
A

B

C

D





10

11

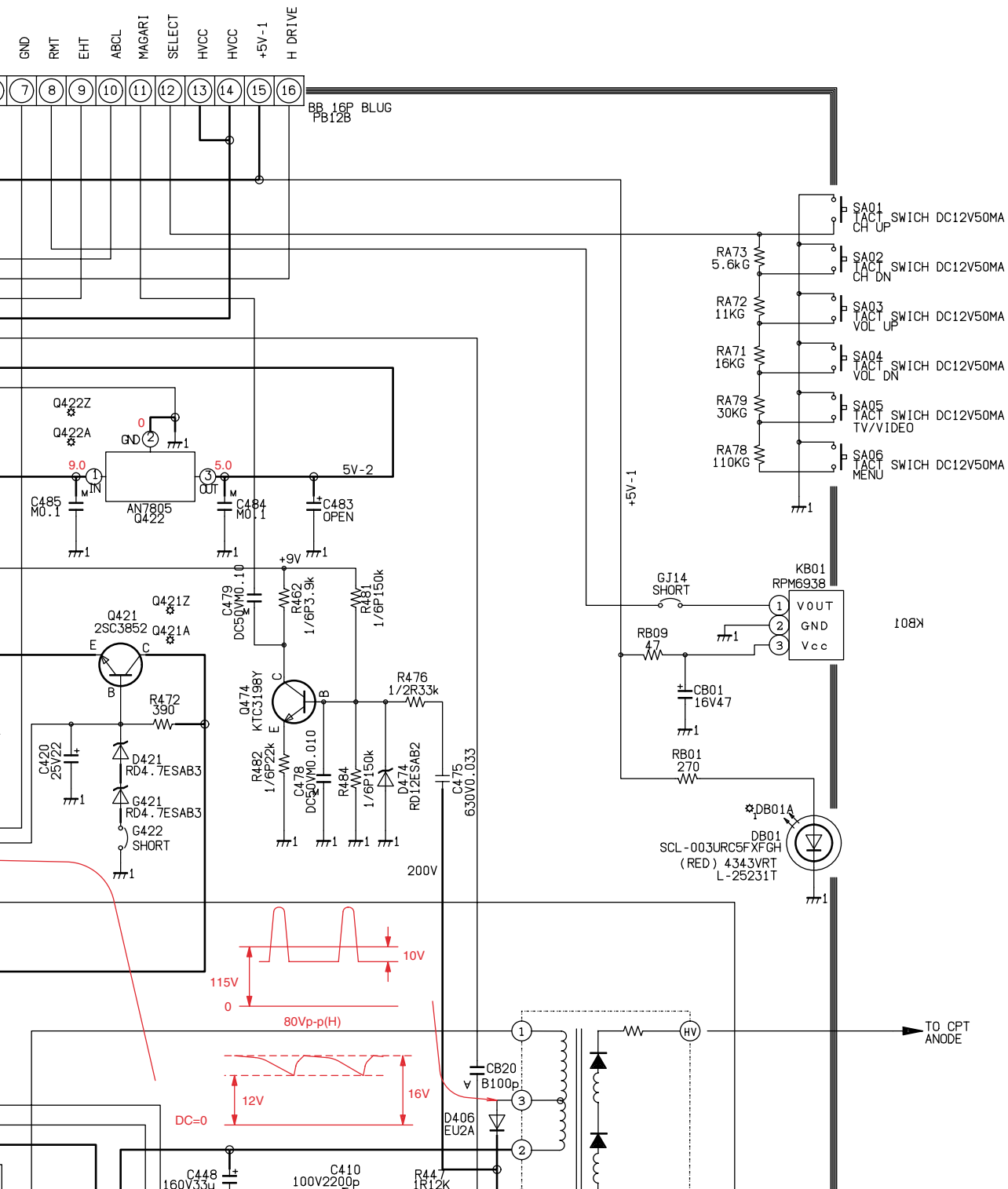
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A

B

C

D

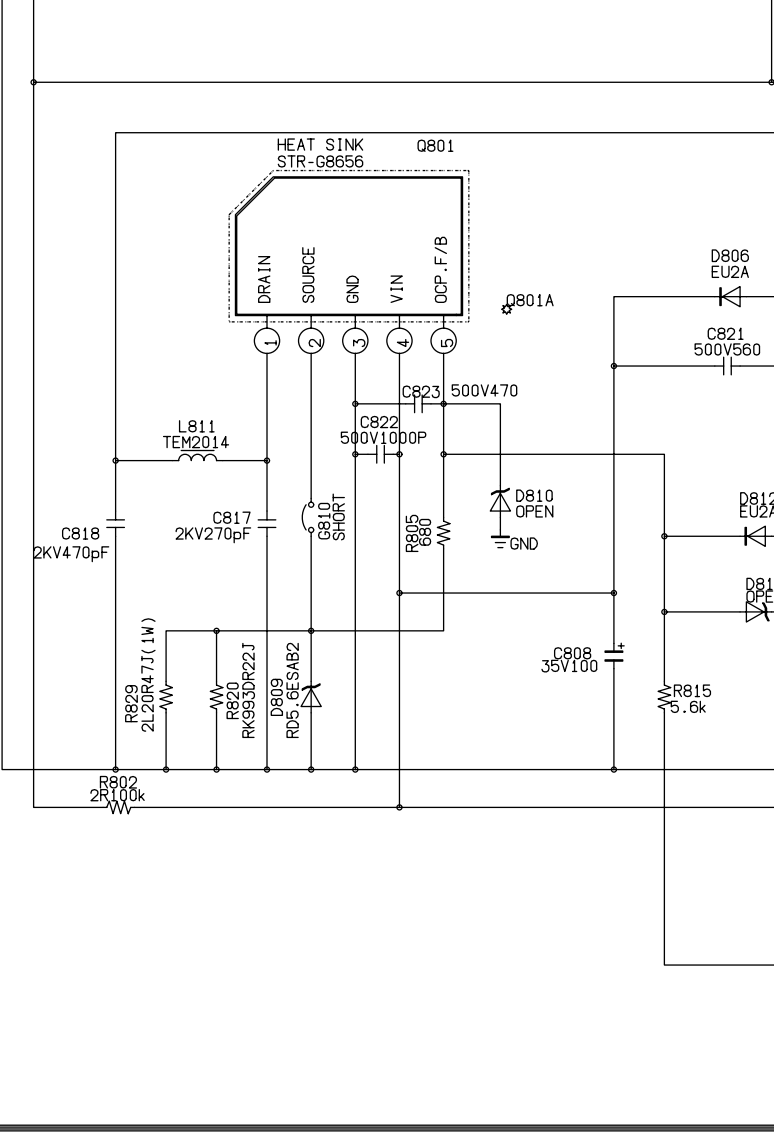


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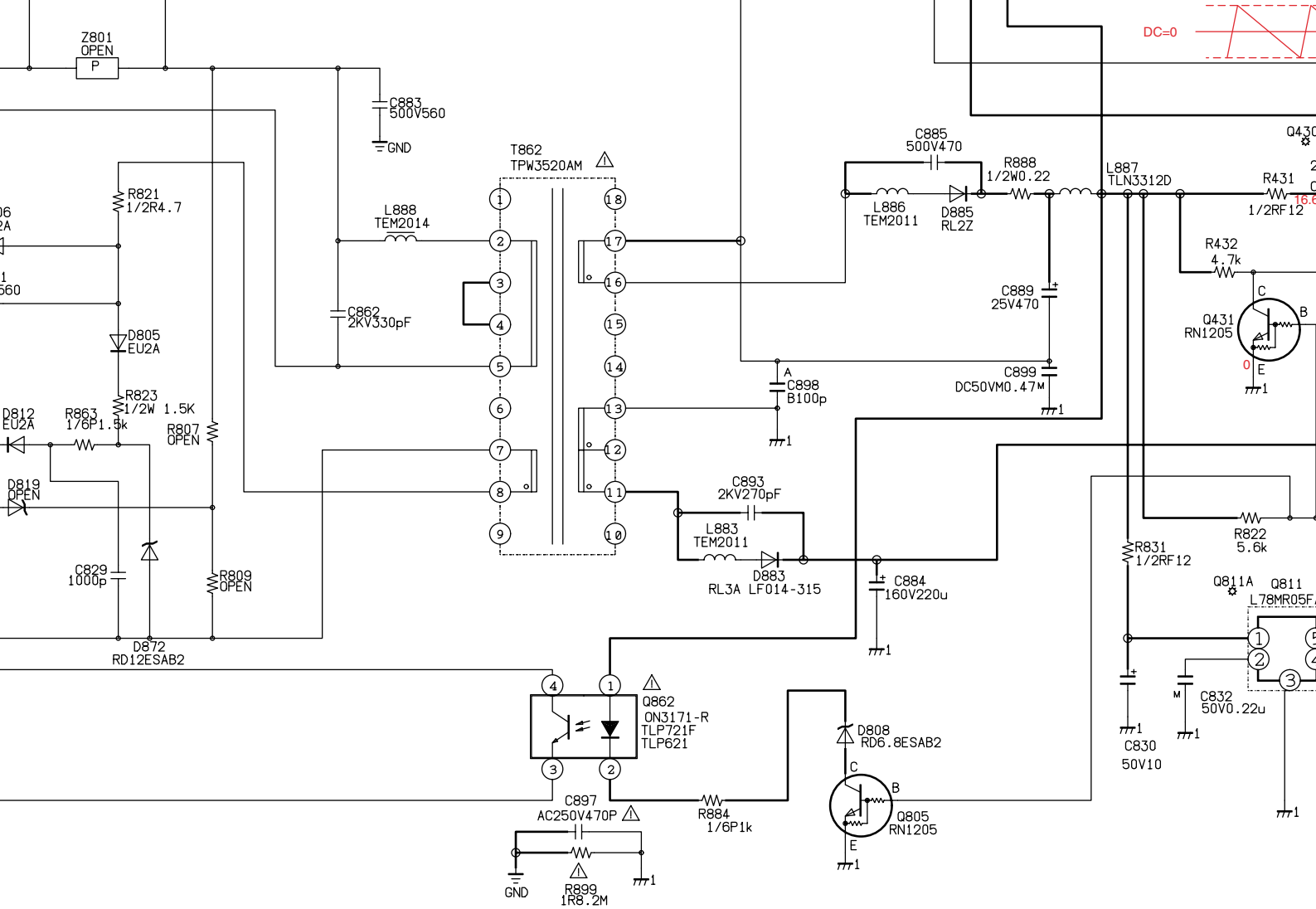
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G

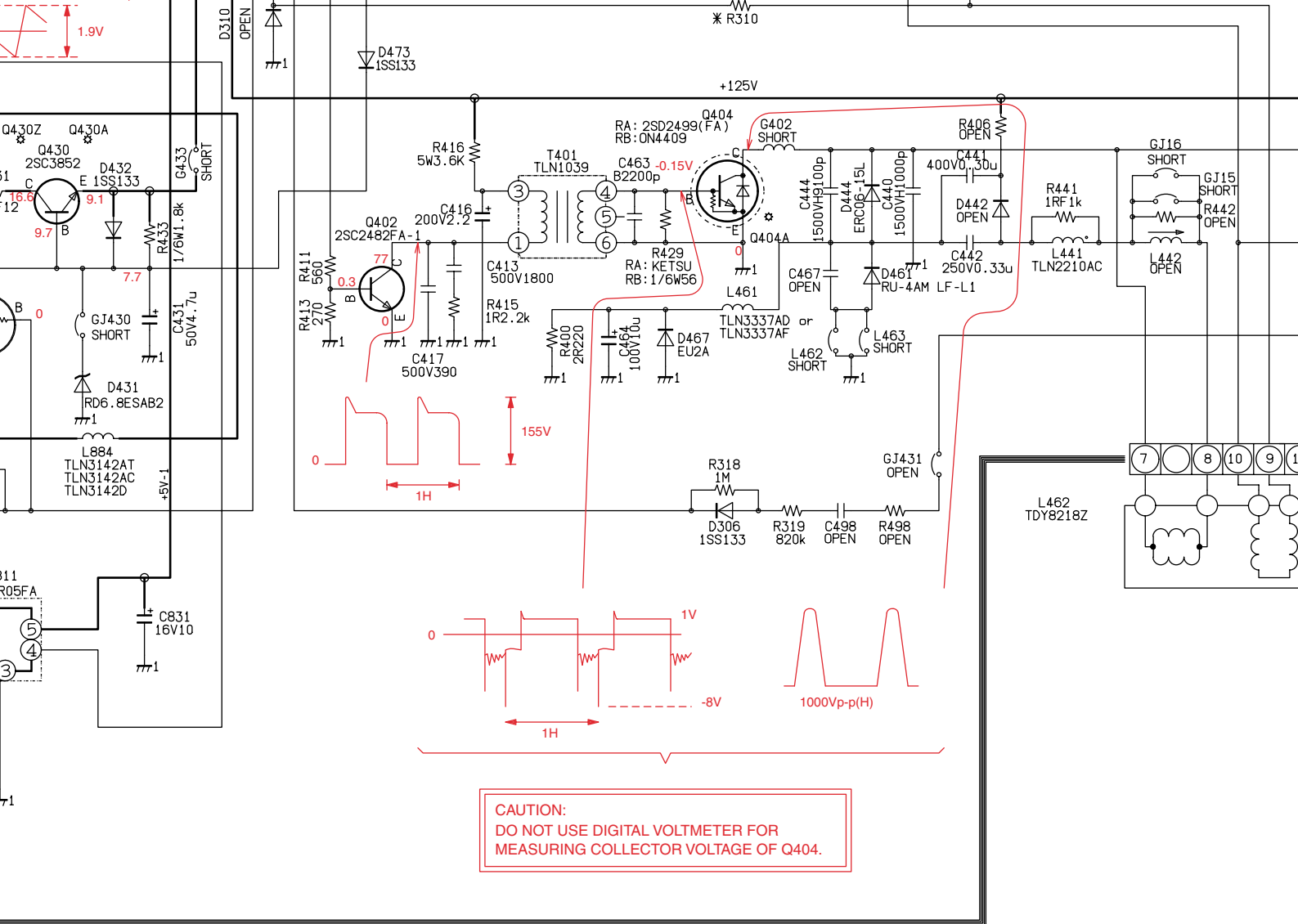
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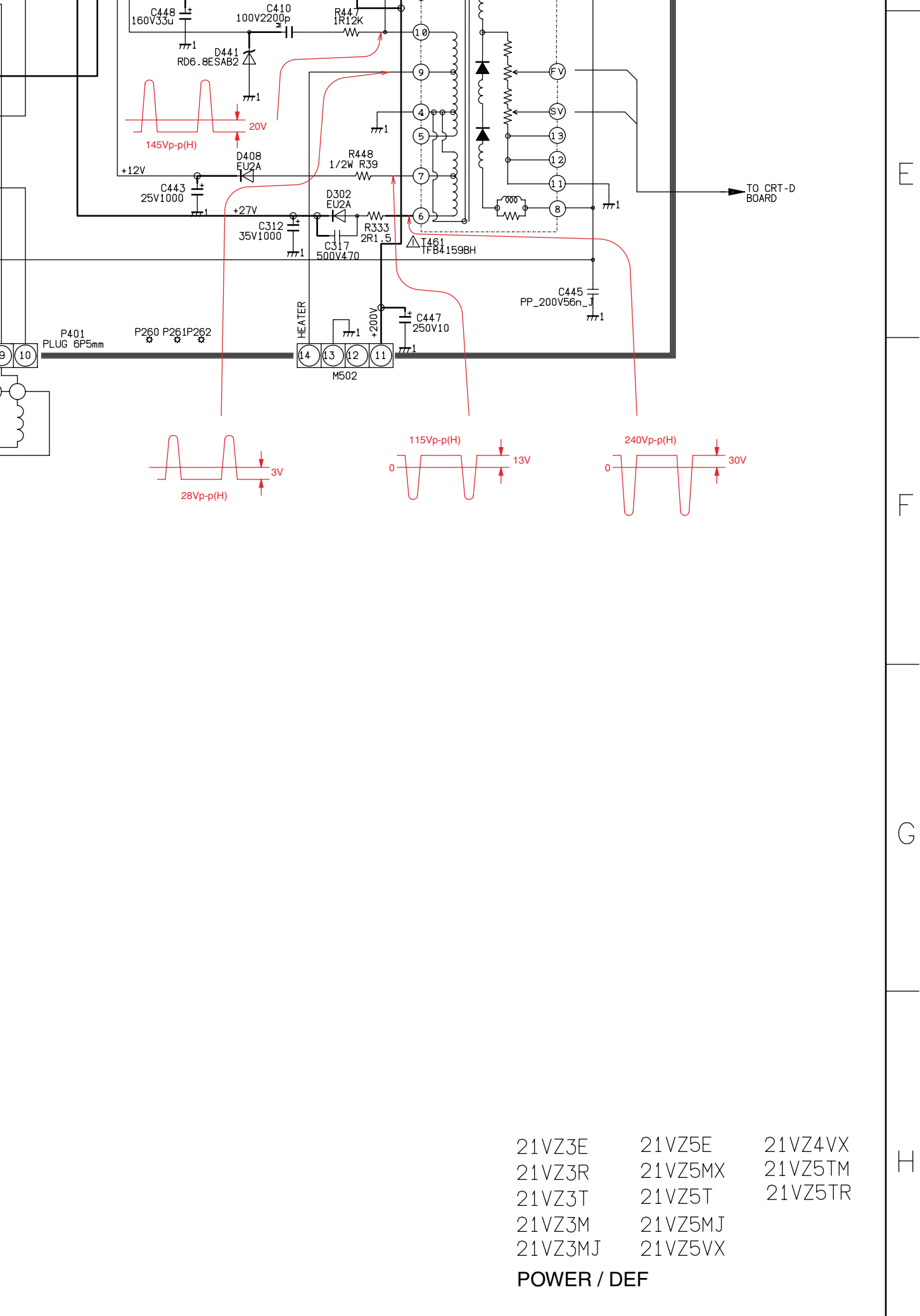


LOC. \ MODEL	21VZ3E	21VZ5E	21VZ3R	21VZ5MX	21VZ5TM	21VZ3
L901(RA)	TSB-2301AH	TSB-2301AH	TSB-2301AH	TSB-2301AG	TSB-2301AH	TSB-23
L901(RB)	TSB-2301AL	TSB-2301AL	TSB-2301AL	TSB-2301AL	TSB-2301AL	TSB-23
L901(RC)	TSB-2301AG	TSB-2301AG	TSB-2301AG	TSB-2301AS	TSB-2301AG	TSB-23
R310	KETSU	KETSU	KETSU	KETSU	1/2W8.2KJ	KETSU
C810	400V560UF	400V560UF	400V560UF	400V560UF	400V560UF	400V56



Z3T	21VZ3M	21VZ5MJ	21VZ3MJ	21VZ5TR	21VZ5T	21VZ4VX	21VZ5VX
2301AH	TSB-2301AH	TSB-2301AH	TSB-2301AH	TSB-2301AH	TSB-2301AH	TSB-2301BV	TSB-2301BV
2301AL	TSB-2301AL	TSB-2301AL	TSB-2301AL	TSB-2301AL	TSB-2301AL	TSB-2301AG	TSB-2301AG
2301AG	TSB-2301AG	TSB-2301AG	TSB-2301AG	TSB-2301AG	TSB-2301AG	TSB-2301AV	TSB-2301AV
KU	KETSU	KETSU	KETSU	1/2W8.2KJ	KETSU	KETSU	KETSU
560UF	400V560UF	400V560UF	400V560UF	400V560UF	400V560UF	450V560UF	450V560UF





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MOE(LB5)												
MAN UNIT	P0907	21V26 (LB34)	P0909	21V27 (LB36)	P0108	21V24M (LB38)	P0907	21V24M (LB39)	P0105	21V25N (LB37)	P0108	21V24M (LB37)
Z130R1	OPW629K	OPW629K	OPW629K	OPW629K	OPW629K	FR16FL	OPW629K	OPW629K	FR16FL	FR16FL	OPW629K	OPW629K
Z130R2	FR16FL	FR16FL	FR16FL	FR16FL	FR16FL	---	FR16FL	FR16FL	---	---	FR16FL	FR16FL
Z130R3A	TCF1138AM	TCF1138AM	TCF1138AM	TCF1138AM	TCF1138AM	TPS4.5MC2	TCF1138AM	TCF1138AM	TPS4.5MC2	TPS4.5MC2	TCF1138AM	TCF1138AM
Z130R3B	TPS4.5MC2	TPS4.5MC2	TPS4.5MC2	TPS4.5MC2	TPS4.5MC2	TCF1010	TPS4.5MC2	TPS4.5MC2	TCF1010	TCF1010	TPS4.5MC2	TPS4.5MC2
Z130R4	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R5	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R6	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R7	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R8	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R9	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R10	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R11	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R12	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R13	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R14	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R15	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R16	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R17	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R18	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
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Z130R68	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R69	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R70	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R71	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R72	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R73	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R74	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R75	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R76	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R77	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R78	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R79	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R80	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R81	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R82	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R83	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R84	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R85	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R86	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R87	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R88	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R89	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R90	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R91	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R92	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R93	TCF1010	TCF1010	TCF1010	TCF1010	TCF1010	---	TCF1010	TCF1010	---	---	TCF1010	TCF1010
Z130R94	TCF1010	TCF1010	TCF101									

* MARKS DIFFERENCE REFER TO : SIGNAL

MODELS
21VZ3E
21VZ3R
21VZ3T
21VZ3M
21VZ3MJ
21VZ5E
21VZ5MX
21VZ5T

21VZ3E 21VZ5E
21VZ3R 21VZ5MX
21VZ3T 21VZ5T
21VZ3M
21VZ3MJ
DIFFERENCE TABLE

4	L662	SHORT	SHORT	SHORT	SHORT	SHORT	SHORT	SHORT	CHOKE COIL
	L202	SHORT	SHORT	SHORT	SHORT	SHORT	SHORT	SHORT	CHOKE COIL
	RC02	SHORT	SHORT	SHORT	SHORT	SHORT	SHORT	SHORT	CARBON RES
	CC08	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	50V330J
	LC04	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	Peaking coil-1J
	GR01	SHORT	SHORT	SHORT	SHORT	SHORT	SHORT	SHORT	CARBON RES
	GR02	SHORT	SHORT	SHORT	SHORT	SHORT	SHORT	SHORT	CARBON RES
	GR03	SHORT	SHORT	SHORT	SHORT	SHORT	SHORT	SHORT	CARBON RES
	CS04	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	50V102K
	CS05	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	50V102K
3	CS07	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	50V102K
	C105	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	50V220J
	C107	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	50V220J
	XA01A	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	CRYSTAL BRJ
	G102	SHORT	SHORT	SHORT	SHORT	SHORT	SHORT	SHORT	FERRITE CHC
	CS15	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	50V102K
	R149	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	CARBON RES
	R120	CARBON RES 684J	CARBON RES 684J	CARBON RES 684J	CARBON RES 684J	CARBON RES 684J	CARBON RES 684J	CARBON RES	KETSU
	GJ14	SHORT	SHORT	SHORT	SHORT	SHORT	SHORT	SHORT	KETSU
	C110	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	50V103Z
2	B103	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	SHIELD COVE
	R118	CARBON RES 821J	CARBON RES 821J	CARBON RES 821J	CARBON RES 821J	CARBON RES 821J	CARBON RES 821J	CARBON RES	KETSU
	C113	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	50V102K
	C113A	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	COTTON TAPJ
	C114	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	50V102K
	G103(RA)	SHORT	SHORT	SHORT	SHORT	SHORT	SHORT	SHORT	TEM2011AO
	G103(RB)	---	---	---	---	---	---	---	TEM2011AW
	G104	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	CHOKE 2.2MH
	G105	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	CHOKE 2.2MH
	GJ31	SHORT	SHORT	SHORT	SHORT	SHORT	SHORT	SHORT	KETSU
1	GJ32	SHORT	SHORT	SHORT	SHORT	SHORT	SHORT	SHORT	KETSU
	GJ33	SHORT	SHORT	SHORT	SHORT	SHORT	SHORT	SHORT	KETSU
	GJ34	SHORT	SHORT	SHORT	SHORT	SHORT	SHORT	SHORT	KETSU
	G106(RA)	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	TEM2011AO
	G106(RB)	---	---	---	---	---	---	---	TEM2011AW
	G107(RA)	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	TEM2011AO
	G107(RB)	---	---	---	---	---	---	---	TEM2011AW
	G108(RA)	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	TEM2011AO
	G108(RB)	---	---	---	---	---	---	---	TEM2011AW
	G109(RA)	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	TEM2011AW

A

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C

D

E

F

8	C636(RB)	KETSU	---	KETSU	KETSU	KETSU	KETSU
	C637(RA)	KETSU	50V0.082MF	KETSU	KETSU	KETSU	KETSU
	C637(RB)	KETSU	50V0.082MF	KETSU	KETSU	KETSU	KETSU
	C638(RA)	KETSU	50V0.056MF	KETSU	KETSU	KETSU	KETSU
	C638(RB)	KETSU	50V0.056MF	KETSU	KETSU	KETSU	KETSU
	CS08	KETSU	16V 22U	KETSU	KETSU	KETSU	KETSU
	CS11	KETSU	16V 10	KETSU	KETSU	KETSU	KETSU
	CV13	KETSU	16V 22U	KETSU	KETSU	KETSU	KETSU
	CV14	KETSU	1000p	KETSU	KETSU	KETSU	KETSU
	GJ17	SHORT	OPEN	SHORT	SHORT	SHORT	SHORT
	GR05	KETSU	SHORT	KETSU	KETSU	KETSU	KETSU
	GR06	KETSU	SHORT	KETSU	KETSU	KETSU	KETSU
	GR04	KETSU	SHORT	KETSU	KETSU	KETSU	KETSU
	Q622(RA)	KETSU	KTC3198Y	KETSU	KETSU	KETSU	KETSU
	Q622(RB)	KETSU	2SC1740S	KETSU	KETSU	KETSU	KETSU
7	QS02	KETSU	2SC2878A	KETSU	KETSU	KETSU	KETSU
	QV14	KETSU	MM1111XS	KETSU	KETSU	KETSU	KETSU
	R623	KETSU	2.2K	KETSU	KETSU	KETSU	KETSU
	R633	KETSU	1/6W 1.5K	KETSU	KETSU	KETSU	KETSU
	R624	KETSU	100ohm	KETSU	KETSU	KETSU	KETSU
	R634	KETSU	1/6W 27K	KETSU	KETSU	KETSU	KETSU
	R635	KETSU	1/6W 2.7K	KETSU	KETSU	KETSU	KETSU
	RS07	KETSU	SHORT	KETSU	KETSU	KETSU	KETSU
	RS08	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU
	RS11	KETSU	470ohm	KETSU	KETSU	KETSU	KETSU
	RS12	KETSU	1/6 10K	KETSU	KETSU	KETSU	KETSU
	GJ17(RA)	SHORT	OPEN	SHORT	SHORT	SHORT	SHORT
	GJ17(RB)	---	---	SHORT	SHORT	SHORT	SHORT
6							
5	R105	CARBON RES 0.12K	CARBON RES 0.12K	CARBON RES 0.12K	CARBON RES 0.12K	CARBON RES 0.12K	CARBON RES
	L102	KETSU	KETSU	KETSU	KETSU	KETSU	Peaking coil-1.
	GR106	SHORT	SHORT	SHORT	SHORT	SHORT	KETSU
	LC01	KETSU	KETSU	KETSU	KETSU	KETSU	Peaking coil-0.
	R107	KETSU	KETSU	KETSU	KETSU	KETSU	CARBON RES
	ZC01	KETSU	KETSU	KETSU	KETSU	KETSU	FILTCF1107
	ZC02	KETSU	KETSU	KETSU	KETSU	KETSU	FILTCF120A1
	R108	CARBON RES 1.2K	CARBON RES 1.2K	CARBON RES 1.2K	CARBON RES 1.2K	CARBON RES 1.2K	CARBON RES
	R110	CARBON RES 0.68K	CARBON RES 0.68K	CARBON RES 0.68K	CARBON RES 0.68K	CARBON RES 0.68K	CARBON RES
	L103	Peaking coil-0.47MMH	Peaking coil-0.47MMH	Peaking coil-0.47MMH	Peaking coil-0.47MMH	Peaking coil-1.	Peaking coil-1.
	R112	CARBON RES 0.22K	CARBON RES 0.22K	CARBON RES 0.22K	CARBON RES 0.22K	CARBON RES 0.22K	SHORT
	R111	CARBON RES 330hm	CARBON RES 330hm	CARBON RES 330hm	CARBON RES 330hm	CARBON RES 330hm	CARBON RES
	C103	KETSU	KETSU	KETSU	KETSU	KETSU	CERA CAP 50
	R124	KETSU	KETSU	KETSU	KETSU	KETSU	CARBON RES
	C104	SHORT	SHORT	SHORT	SHORT	SHORT	CERA CAP 50
	C673	KETSU	KETSU	KETSU	KETSU	KETSU	50V103Z
	C674	KETSU	KETSU	KETSU	KETSU	KETSU	50V103Z
	L661	SHORT	SHORT	SHORT	SHORT	SHORT	CHOKE COIL-
	L662	SHORT	SHORT	SHORT	SHORT	SHORT	CHOKE COIL-
	LZ02	SHORT	SHORT	SHORT	SHORT	SHORT	CHOKE COIL

12	HA/5	1/6W 10K	1/6W 10K	KE1SU	1/6W 10K	1/6W 4.7K	1/6W 4.7K	1/6W 10K	1/6W 10K
	RA77	1/6W 4.7K	1/6W 4.7K	KETSU	1/6W 4.7K	1/6W 4.7K	1/6W 4.7K	1/6W 4.7K	1/6W 10K
	C150	50V 0.01uF	50V 0.01uF	KETSU"	50V 0.01uF	50V 0.01uF	50V 0.01uF	50V 0.01uF	50V 0.01uF
	D150	1SS110	1SS110	KETSU	1SS110	1SS110	1SS110	1SS110	1SS110
	Q115(RA)	KTC3198Y	KTC3198Y	KETSU	KTC3198Y	KTC3198Y	KTC3198Y	KTC3198Y	KTC3198Y
	Q115(RB)	2SC1740S	2SC1740S	KETSU	2SC1740S	2SC1740S	2SC1740S	2SC1740S	2SC1740S
	Q130	2SC2878A	2SC2878A	KETSU	2SC2878A	2SC2878A	2SC2878A	2SC2878A	2SC2878A
	R113	1/6W 4.7K	1/6W 4.7K	KETSU	1/6W 4.7K	1/6W 4.7K	1/6W 4.7K	1/6W 4.7K	1/6W 4.7K
	R114	1/6W 4.7K	1/6W 4.7K	KETSU	1/6W 4.7K	1/6W 4.7K	1/6W 4.7K	1/6W 4.7K	1/6W 4.7K
	R116	1/6W 10K	1/6W 10K	KETSU"	1/6W 10K	1/6W 10K	1/6W 10K	1/6W 10K	1/6W 10K
	R117	1/6W 10K	1/6W 10K	KETSU	1/6W 10K	1/6W 10K	1/6W 10K	1/6W 10K	1/6W 10K
	R172	1/6W 1.6K	1/6W 1.6K	KETSU	1/6W 1.6K	1/6W 1.6K	1/6W 1.6K	1/6W 1.6K	1/6W 1.6K
11	R173	1/6W 1K	1/6W 1K	KETSU	1/6W 1K	1/6W 1K	1/6W 1K	1/6W 1K	1/6W 1K
	R174	1/6W 47K	1/6W 47K	KETSU	1/6W 47K	1/6W 47K	1/6W 47K	1/6W 47K	1/6W 47K
	R178	1/6W 10K	1/6W 10K	KETSU	1/6W 10K	1/6W 10K	1/6W 10K	1/6W 10K	1/6W 10K
	R180	1/6W 47K	1/6W 47K	KETSU"	1/6W 47K	1/6W 47K	1/6W 47K	1/6W 47K	1/6W 47K
	R181	1/6W 22K	1/6W 22K	KETSU	1/6W 22K	1/6W 22K	1/6W 22K	1/6W 22K	1/6W 22K
	C111	KETSU	KETSU	50V 47pF	KETSU	KETSU	KETSU	KETSU	KETSU
	C112	KETSU	KETSU	50V 47pF	KETSU	KETSU	KETSU	KETSU	KETSU
	C179	KETSU	KETSU	50V 0.01pF	KETSU	KETSU	KETSU	KETSU	KETSU
	C180	KETSU	KETSU	50V 0.01pF	KETSU	KETSU	KETSU	KETSU	KETSU
	GJ12	KETSU	KETSU	23183004	KETSU	KETSU	KETSU	KETSU	KETSU
	GJ13	KETSU	KETSU	23183004	KETSU	KETSU	KETSU	KETSU	KETSU
	L109	KETSU	KETSU	15uH	KETSU	KETSU	KETSU	KETSU	KETSU
10	Q113(RA)	KETSU	KETSU	KTC3198Y	KETSU	KETSU	KETSU	KETSU	KETSU
	Q113(RB)	KETSU	KETSU	2SC1740S	KETSU	KETSU	KETSU	KETSU	KETSU
	Q114(RA)	KETSU	KETSU	KTC3198Y	KETSU	KETSU	KETSU	KETSU	KETSU
	Q114(RB)	KETSU	KETSU	2SC1740S	KETSU	KETSU	KETSU	KETSU	KETSU
	R126	KETSU	KETSU	1/6W 100	KETSU	KETSU	KETSU	KETSU	KETSU
	R125	KETSU	KETSU	1/6W 2.2K	KETSU	KETSU	KETSU	KETSU	KETSU
	R128	KETSU	KETSU	1/6W 10K	KETSU	KETSU	KETSU	KETSU	KETSU
	R127	KETSU	KETSU	1/6W 10K	KETSU	KETSU	KETSU	KETSU	KETSU
	R129	KETSU	KETSU	1/6W 1K	KETSU	KETSU	KETSU	KETSU	KETSU
	R137	KETSU	KETSU	1/6W 220	KETSU	KETSU	KETSU	KETSU	KETSU
	R138	KETSU	KETSU	1/6W 220	KETSU	KETSU	KETSU	KETSU	KETSU
	Z104(RA)	KETSU	KETSU	TCF1135AM 5.5M	KETSU	KETSU	KETSU	KETSU	KETSU
9	Z104(RB)	KETSU	KETSU	TCF1031 5.5M	KETSU	KETSU	KETSU	KETSU	KETSU
	Z106	KETSU	KETSU	TCF1030 5.74M	KETSU	KETSU	KETSU	KETSU	KETSU
	R103	KETSU	KETSU	1/6W 100	KETSU	KETSU	KETSU	KETSU	KETSU
	Q111(RA)	KETSU	KETSU	KTA1266Y	KETSU	KETSU	KETSU	KETSU	KETSU
	Q111(RB)	KETSU	KETSU	2SA1015Y	KETSU	KETSU	KETSU	KETSU	KETSU
	R104	KETSU	KETSU	1/6W 1K	KETSU	KETSU	KETSU	KETSU	KETSU
	L108	PL-27uH	PL-27uH	PL-12uH	PL-27uH	PL-27uH	PL-27uH	PL-27uH	PL-27uH
	R134	1/6W 560	1/6W 560	1/6W 270	1/6W 560	1/6W 560	1/6W 560	1/6W 560	1/6W 560
	C635	KETSU	50V0.47u	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU
	C636(RA)	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU
	C636(RB)	KETSU	---	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU
	C637(RA)	KETSU	50V0.082MF	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU

A		B		C		D		E		F	
16	MODEL(JOB)	21VZ3E (LJ344)	21VZ5E (LJ358)	21VZ3T (LJ357)	21VZ3M (LJ365)	21VZ3MJ (LJ366)	21VZ3R				
	MAIN UNIT	PD0907	PD0939	PD0938	PD1026	PD0907	PD1025				
	Z130(R1)	OFWK6269K	OFWK6269K	OFWK2964K	OFWK6269K	OFWK6269K	F816K				
	Z130(R2)	F816KPL	F816KPL	OFWK2964K	F816KPL	F816KPL	---				
	Z103(RA)	TCF1138AM	TCF1138AM	TCF1113	TCF1138AM	TCF1138AM	TCF1138AM				
	Z103(RB)	TPS4.5MC2	TPS4.5MC2	TCF1113	TPS4.5MC2	TPS4.5MC2	TPS4.5MC2				
	Z103(RC)	TCF1010	TCF1010	TCF1113	TCF1010	TCF1010	TCF1010				
	GJ05(R1)	23183004	23183004	23183004	23183004	23183004	KETSU				
	GJ05(R2)	KETSU	KETSU	23183004	KETSU	KETSU	---				
	GJ06(R1)	KETSU	KETSU	KETSU	KETSU	KETSU	SHORT				
	GJ06(R2)	23183004	23183004	KETSU	23183004	23183004	---				
	GJ07	KETSU	KETSU	23183004	KETSU	KETSU	KETSU				
	GJ08	KETSU	KETSU	23183004	KETSU	KETSU	KETSU				
	GJ09	23183004	23183004	KETSU	23183004	23183004	23183004				
	GJ11	23183004	23183004	KETSU	23183004	23183004	23183004				
15	GJ01(R2)	CARBON RES 472J	CARBON RES 472J	CARBON RES 472J	CARBON RES 472J	CARBON RES 472J	KETSU				
	GJ01(R3)	KETSU	KETSU	KETSU	KETSU	KETSU	---				
	GJ01(R4)	KETSU	KETSU	KETSU	KETSU	KETSU	---				
	GJ02(R2)	CARBON RES 472J	CARBON RES 472J	CARBON RES 472J	CARBON RES 472J	CARBON RES 472J	KETSU				
	GJ02(R3)	KETSU	KETSU	KETSU	KETSU	KETSU	---				
	GJ02(R4)	KETSU	KETSU	KETSU	KETSU	KETSU	---				
	GJ03(R1)	SHORT	SHORT	SHORT	SHORT	SHORT	SHORT				
	GJ03(R2)	SHORT	SHORT	SHORT	SHORT	SHORT	---				
	GJ04(R1)	KETSU	KETSU	KETSU	KETSU	KETSU	KETSU				
	GJ04(R2)	KETSU	KETSU	KETSU	KETSU	KETSU	---				
	H001(R1)	ECA33LX8	ECA33LX8	ECA33LX8	ECA33LX8	ECA33LX8	ECA33LX1				
	H001(R2)	ECA33LX6	ECA33LX6	ECA33LX6	ECA33LX6	ECA33LX6	ECA33LX2				
	H001(R3)	ECA33LX1	ECA33LX1	ECA33LX1	ECA33LX1	ECA33LX1	---				
	H001(R4)	ECA33LX2	ECA33LX2	ECA33LX2	ECA33LX2	ECA33LX2	---				
	Q100	00001	00001	00001	00001	00001	00001				
14											
	C171	16V10uF	16V10uF	KETSU	16V10uF	16V10uF	16V10uF				
	C172	16V10uF	16V10uF	KETSU	16V10uF	16V10uF	16V10uF				
	C173	16V10uF	16V10uF	KETSU	16V10uF	16V10uF	16V10uF				
	C174	50V33pF	50V33pF	KETSU	50V33pF	50V33pF	50V33pF				
	C175	50V33pF	50V33pF	KETSU	50V33pF	50V33pF	50V33pF				
	L106	12uH	12uH	KETSU	12uH	12uH	12uH				
	L107	12uH	12uH	KETSU'	12uH	12uH	12uH				
	QB61(RA)	KTC3198Y	KTC3198Y	KETSU	KTC3198Y	KTC3198Y	KTC3198Y				
	QB61(RB)	2SC1740S	2SC1740S	KETSU	2SC1740S	2SC1740S	2SC1740S				
	R132	1/6W 270	1/6W 270	KETSU	1/6W 270	1/6W 270	1/6W 270				
	R133	1/6W 270	1/6W 270	KETSU	1/6W 270	1/6W 270	1/6W 270				
	RA75	1/6W 10K	1/6W 10K	KETSU	1/6W 10K	1/6W 10K	1/6W 10K				
	RA77	1/6W 4.7K	1/6W 4.7K	KETSU	1/6W 4.7K	1/6W 4.7K	1/6W 4.7K				
	13										

K	1/6W 4.7K	KETSU	KETSU	
K	50V 0.01uF	KETSU	KETSU	
uF	1SS110	KETSU	KETSU	
Y	KTC3198Y	KETSU	KETSU	
S	2SC1740S	KETSU	KETSU	
A	2SC2878A	KETSU	KETSU	
K	1/6W 4.7K	KETSU	KETSU	
K	1/6W 4.7K	KETSU	KETSU	
K	1/6W 10K	KETSU	KETSU	
K	1/6W 10K	KETSU	KETSU	
K	1/6W 1.6K	KETSU	KETSU	
	1/6W 1K	KETSU	KETSU	
K	1/6W 47K	KETSU	KETSU	
K	1/6W 10K	KETSU	KETSU	
K	1/6W 47K	KETSU	KETSU	
K	1/6W 22K	KETSU	KETSU	
	KETSU	50V47PF		
	KETSU	50V47PF		
	KETSU	50V0.01PF		
	KETSU	50V0.01PF		
	KETSU	23183004		
	KETSU	23183004		
	KETSU	23183004		
	KETSU	Peaking coil -15uH		
	KETSU	KTC3198Y		
	KETSU	2SC1740S		
	KETSU	KTC3198Y		
	KETSU	2SC1740S		
	KETSU	1/6W100		
	KETSU	1/6W2.2K		
	KETSU	1/6W10K		
	KETSU	1/6W10K		
	KETSU	1/6W1K		
	KETSU	1/6W220		
	KETSU	1/6W220		
	KETSU	TCF1135AM 5.5M		
	KETSU	TCF1031 5.5M		
	KETSU	TCF1030 5.74M		
	KETSU	CAR RES 1/6W100		
	KETSU	KT1A1266Y		
	KETSU	2SA1015Y		
	KETSU	CAR RES 1/6W 1K		
	PL-27uH	PL-12uH		
	1/6W 560	CAR RES 1/6W 270		
	50V0.47u	50V0.47u		
	KETSU	KETSU		
	KETSU	KETSU		
	50V0.082uF	50V0.082uF		

* MARKS DIFFERENCE REFER TO : SIGNAL

G		H		I		J		K		L	
(LJ367)		21VZ5MX (LH057)		21VZ5T (LJ368)							
	PD1095		PD1027								
	OFWK6269K		OFWK2964K								
	F816KPL		OFWK2964K								
AM	TCF11384M		TCF1113								
C2	TPS4.5MC2		TCF1113								
	TCF1010		TCF1113								
	23183004		23183004								
	KETSU		23183004								
	KETSU		KETSU								
	23183004		KETSU								
	KETSU		23183004								
	KETSU		23183004								
1	23183004		KETSU								
1	23183004		KETSU								
	CARBON RES 472J		CARBON RES 472J								
	KETSU		KETSU								
	KETSU		KETSU								
	CARBON RES 472J		CARBON RES 472J								
	KETSU		KETSU								
	KETSU		KETSU								
	SHORT		SHORT								
	SHORT		SHORT								
	KETSU		KETSU								
	KETSU		KETSU								
1	ECA33LX8		ECA33LX8								
2	ECA33LX6		ECA33LX6								
	ECA33LX1		ECA33LX1								
	ECA33LX2		ECA33LX2								
	TMPA8807CPBNG4GR4		00001								
	16V10uF		KETSU								
	16V10uF		KETSU								
	16V10uF		KETSU								
	50V33pF		KETSU								
	50V33pF		KETSU								
	12uH		KETSU								
	12uH		KETSU								
Y	KTC3198Y		KETSU								
S	2SC1740S		KETSU								
	1/6W 270		KETSU								
	1/6W 270		KETSU								
	1/6W 10K		KETSU								
	1/6W 4.7K		KETSU								

21VZ3E 21VZ5E
 21VZ3R 21VZ5MX
 21VZ3T 21VZ5T
 21VZ3M
 21VZ3MJ
 DIFFERENCE TABE