



MARA-00646

Service Manual

74 PM16/ 02B/02G
PM-16FN
Integrated amplifier

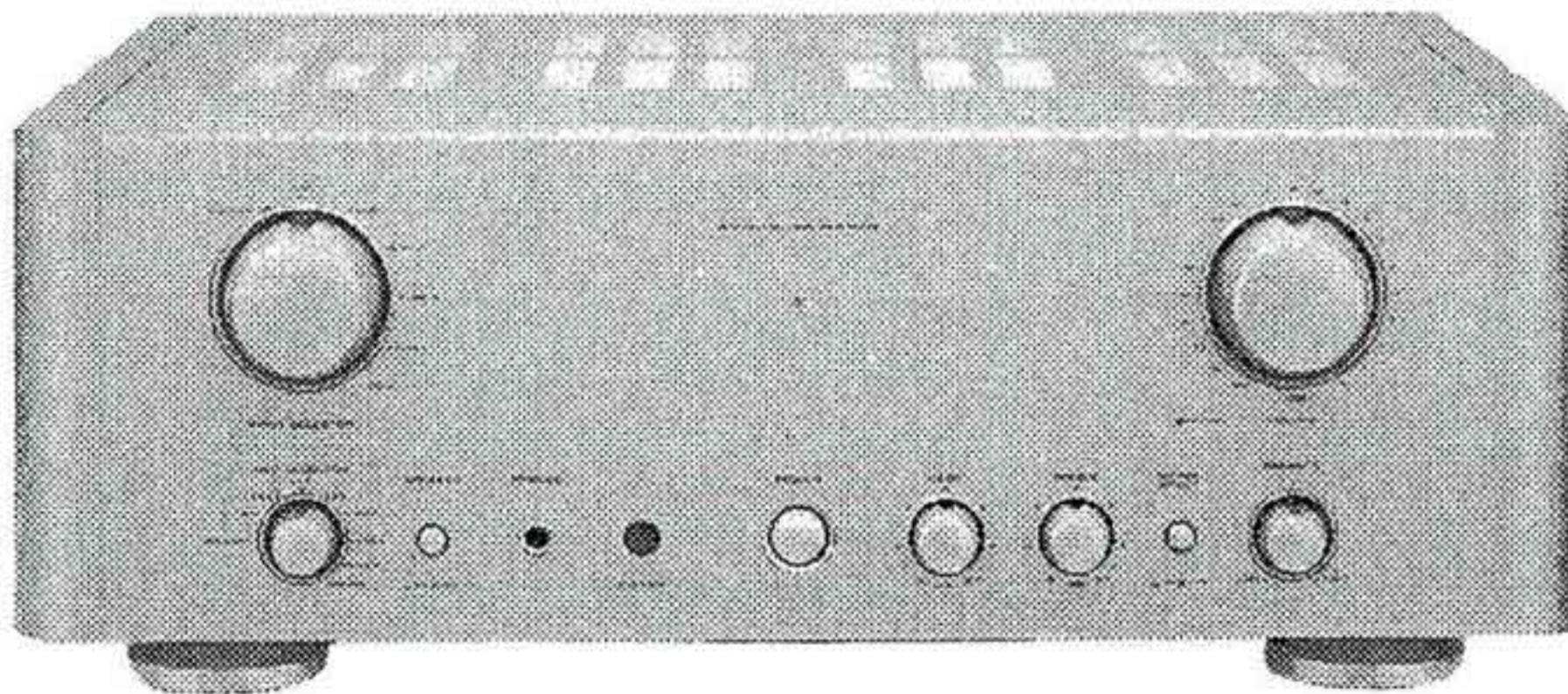


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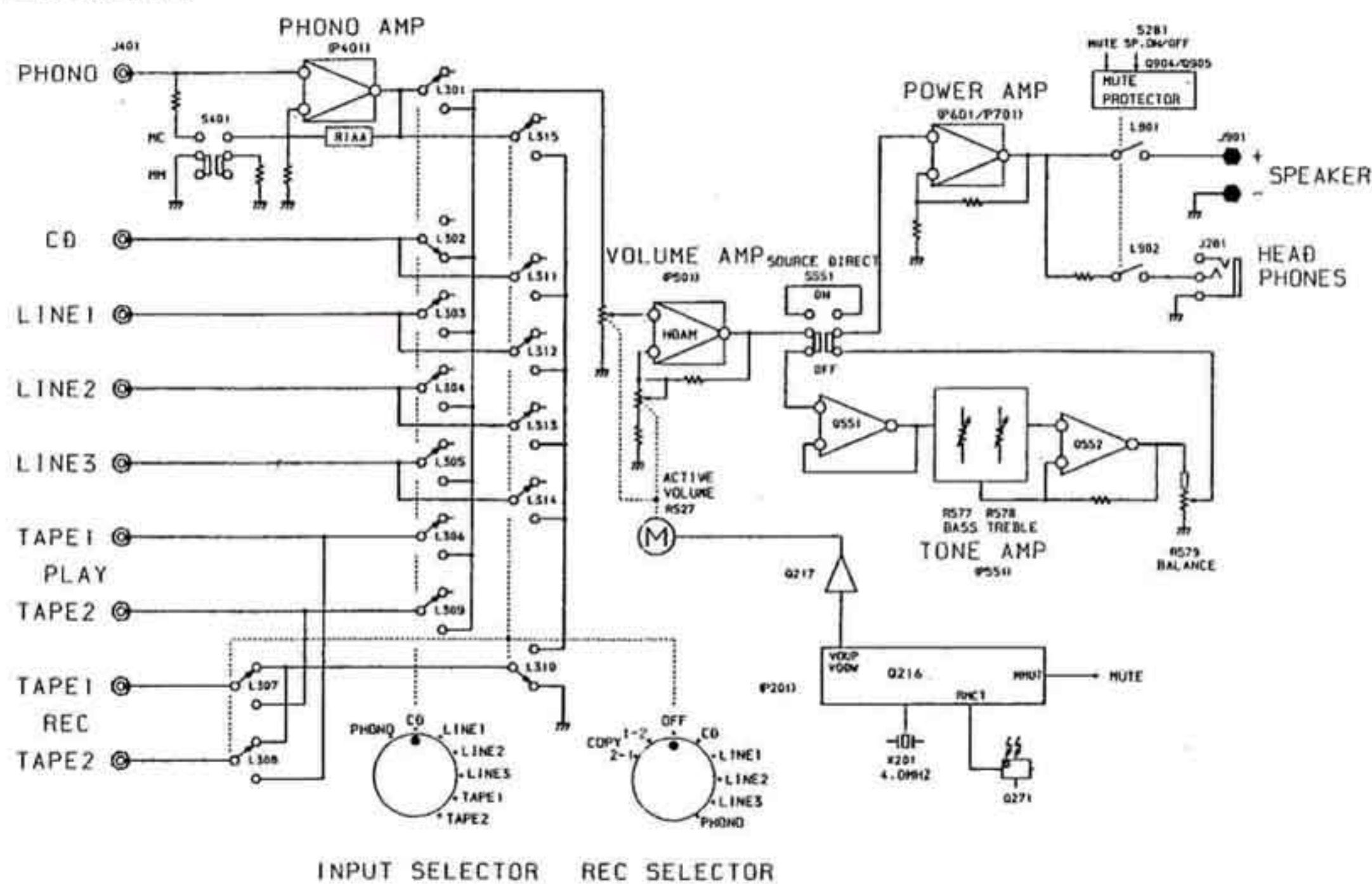
Please use this service manual with referring to the guide (D.F.U.) without fall.
修理の際は、必ず取扱説明書を準備し操作方法を確認の上作業を行ってください。

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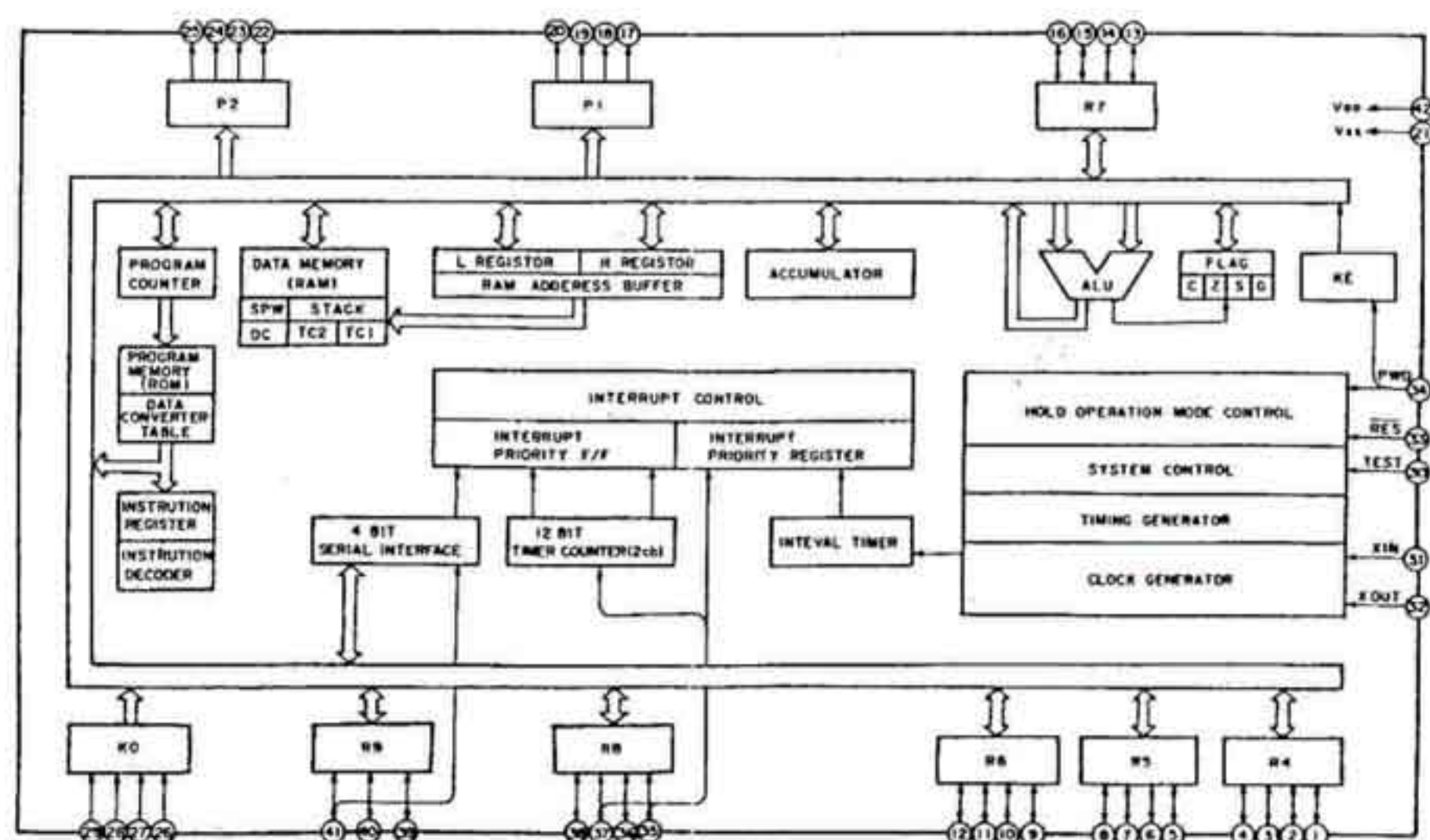
model PM-16

4822 725 51109
First issue : 1996/1
256J855090 ©
PCS 86 650

2. ブロックダイアグラム
BLOCK DIAGRAM



MICROPROCESSOR
QU01 : TMP47C200BN

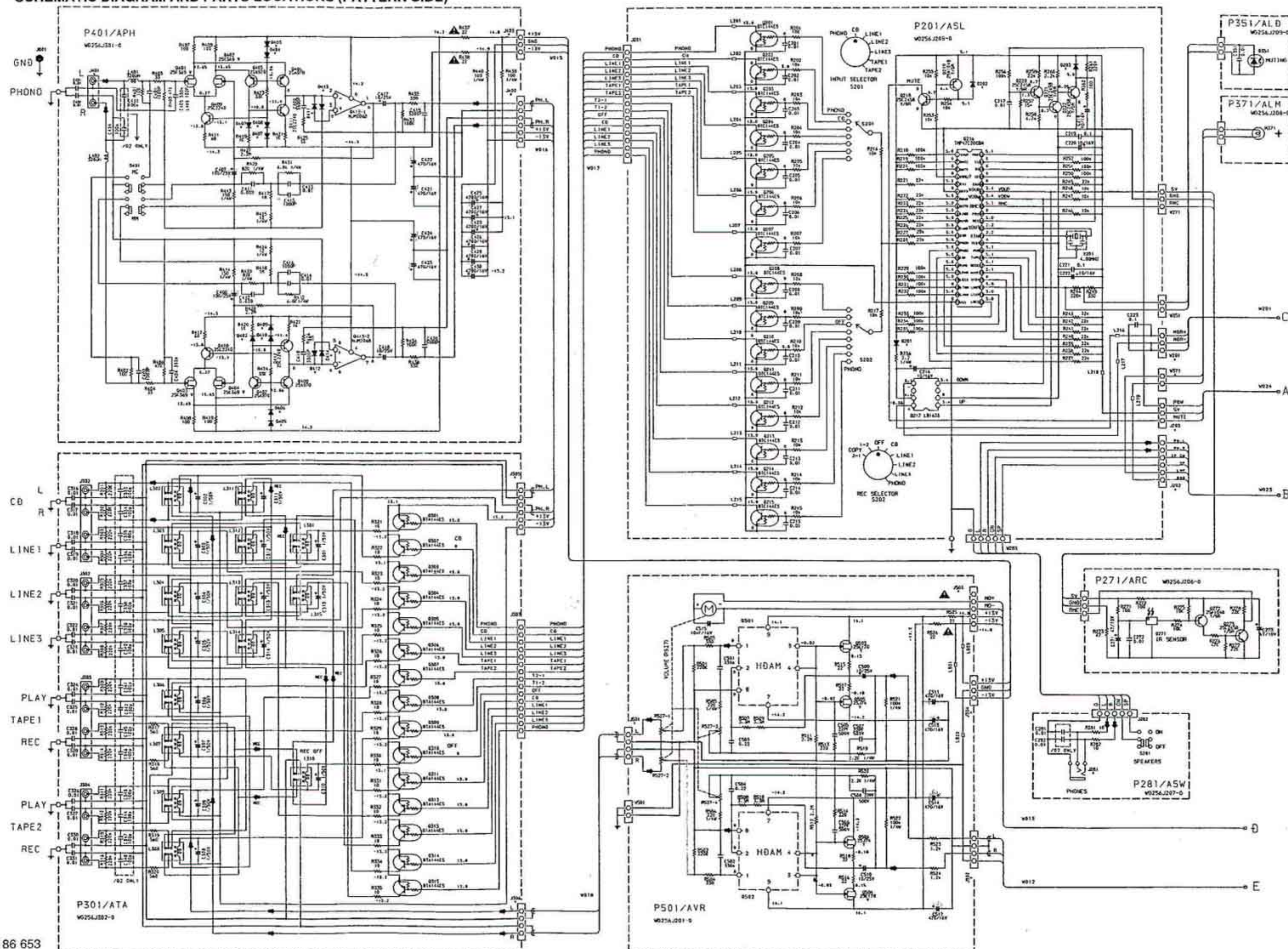


PIN NO.	PORT NAME		VO	ACT	FUNCTION
1	R40	KMUT	O	L	SOURCE MUTE
2	R41	RMTC	O	L	TAPE OUT MUTE FOR DCC
3	R42	RMTE	O	L	TAPE OUT MUTE FOR TAPE
4	R43	MMUT	O	H	SPEAKER OUT MUTE
5	R50	EN1	I	—	MODEL SELECT #1
6	R51	OFFR	I	L	RECORDING OUT OFF
7	R52	SOUR	I	L	RECORDING OUT SOURCE
8	R53	D2TR	I	L	RECORDING OUT COPY DCC→TAPE
9	R50	T2DR	I	L	RECORDING OUT COPY TAPE→DCC
10	R61	AUXR	I	L	RECORDING OUT AUX
11	R62	TUNR	I	L	RECORDING OUT TUNER
12	R63	CDR	I	L	RECORDING OUT CD
13	R70	PHOR	I	L	RECORDING OUT PHONO
14	R71	PHOK	I	L	KEY INPUT PHONO
15	R72	CDK	I	L	KEY INPUT CD
16	R73	TUNK	I	L	KEY INPUT TUNER
17	P10	LPHO	O	L	LED INDICATOR PHONO
18	P11	LECD	O	L	LED INDICATOR CD
19	P12	LTUN	O	L	LED INDICATOR TUNER
20	P13	LAUX	O	L	LED INDICATOR AUX
21	VSS	VSS	—	—	GND

PIN NO.	PORT NAME		VO	ACT	FUNCTION
22	P20	LDCC	O	L	LED INDICATOR DCC
23	P21	LTAP	O	L	LED INDICATOR TAPE
24	P22	LMUT	O	L	LED INDICATOR MUTE
25	P23	STBY	O	H	STAND-BY OTHER CONTROL
26	K00	AUXK	I	L	KEY INPUT AUX
27	K01	DCCK	I	L	KEY INPUT DCC
28	K02	TAPK	I	L	KEY INPUT TAPE
29	K03	MUK	I	L	KEY INPUT MANUAL MUTE
30	TEST	TEST	—	—	NOT USED (GND)
31	XIN	XIN	—	—	CLOCK 4.00 MHz
32	XOUT	XOUT	—	—	
33	RESET	RES	I	L	SYSTEM RESET
34	HOLD	PDW	I	L	POWER DOWN CHECK
35	R80	RMC	I	L	REMOTE CONTROL (RC-5) INPUT
36	R81	VODW	O	L	VOLUME CONTROL (DOWN)
37	R82	VOUP	O	L	VOLUME CONTROL (UP)
38	R83	EN2	I	—	MODEL SELECT #2
39	R90	CE	O	H	SERIAL OUTPUT (ENABLE)
40	R91	DL	O	H	SERIAL OUTPUT (DATA)
41	R92	CL	O	H	SERIAL OUTPUT (CLOCK)
42	VDD	VDD	—	—	POWER SUPPLY +5.4V

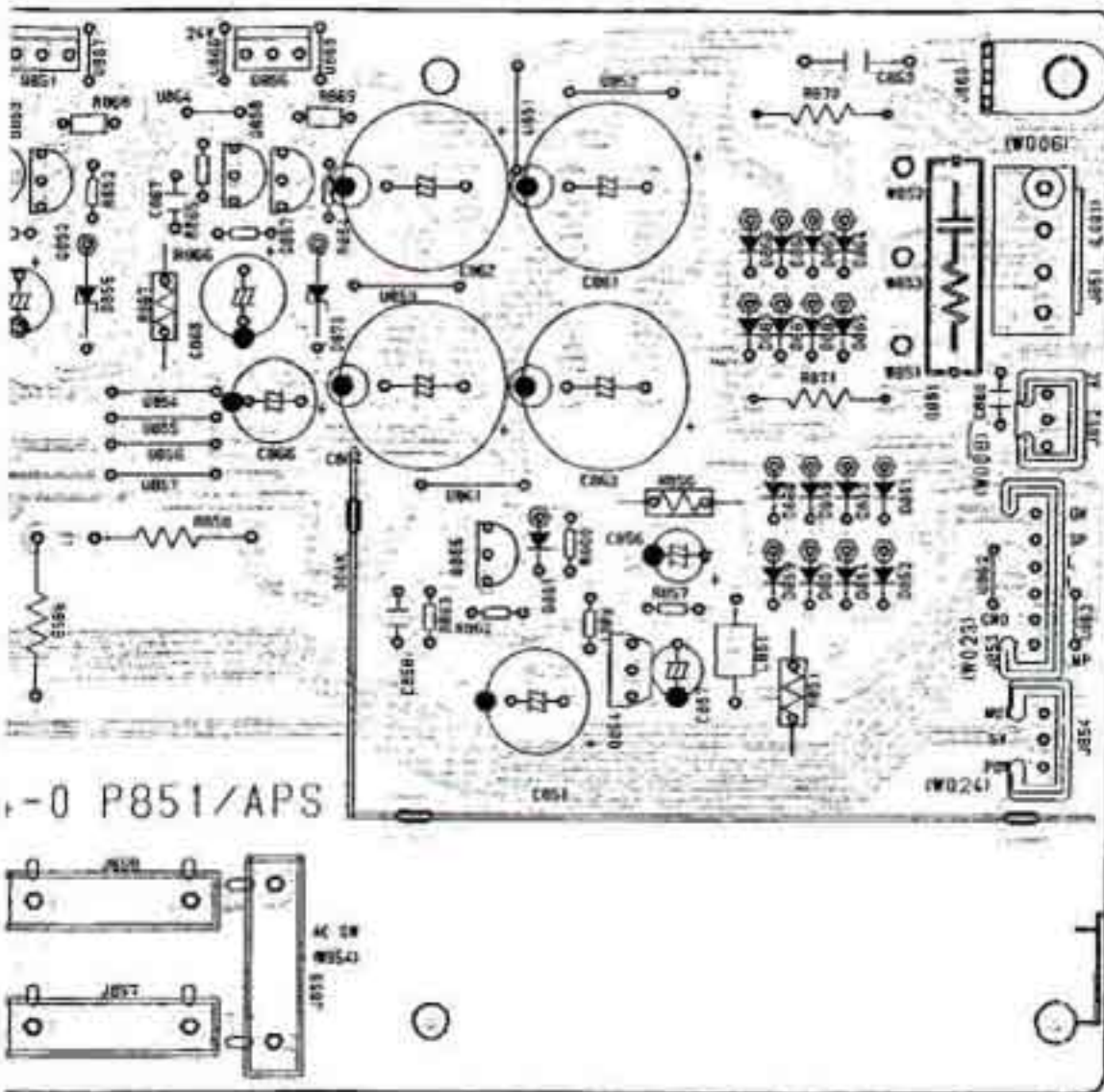
3. 回路図と基板図 (パターン側)

SCHEMATIC DIAGRAM AND PARTS LOCATIONS (PATTERN SIDE)



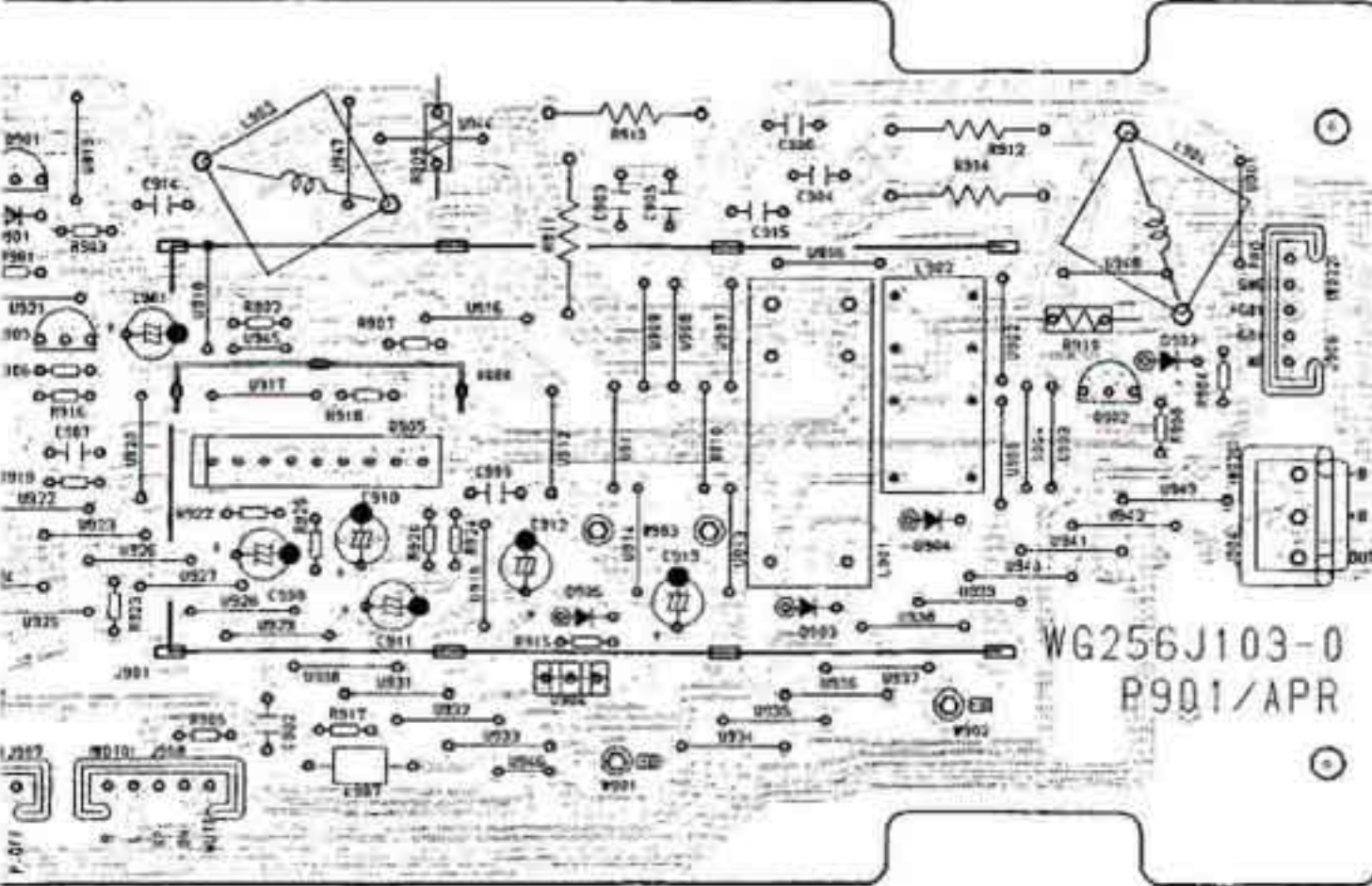
PCS 86 653

-Q853 Q856-Q858 Q855 Q854



-0 P851/APS

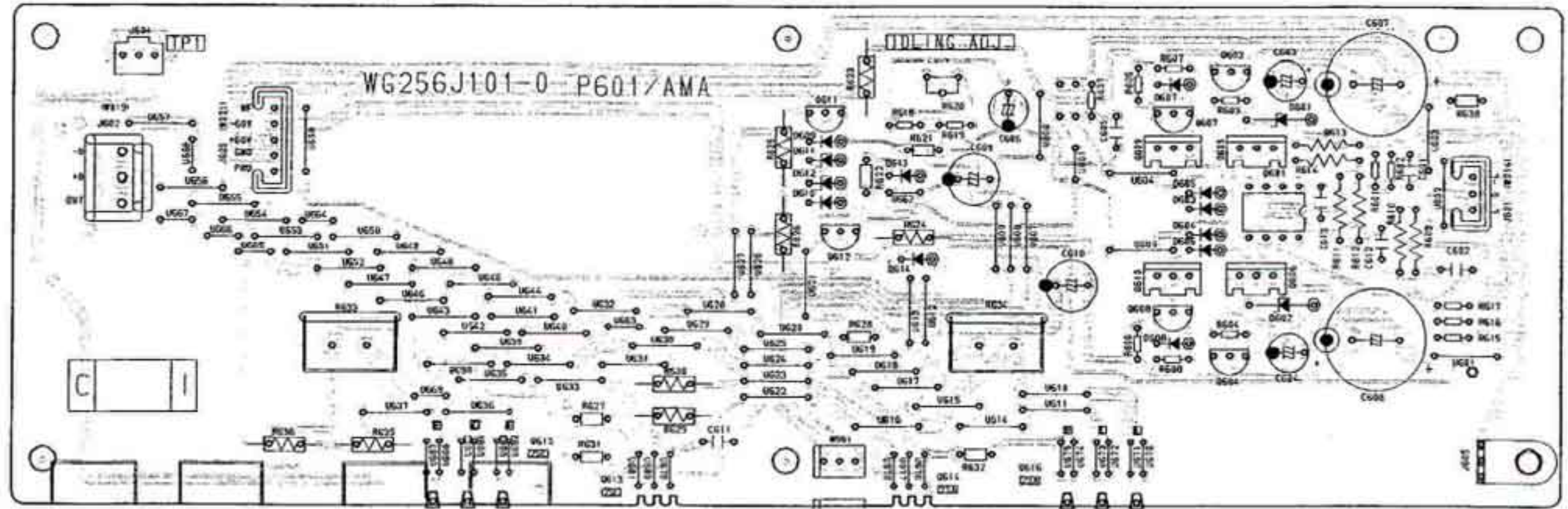
301 Q903 Q905 Q904 Q902



WG256J103-0
P901/APR

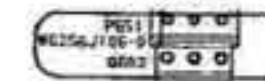
P601 POWER AMP L CH

Q611 Q612 Q614 Q615 Q613 Q616 Q607 Q609 Q603 Q605 Q610 Q606 Q601 Q608 Q604



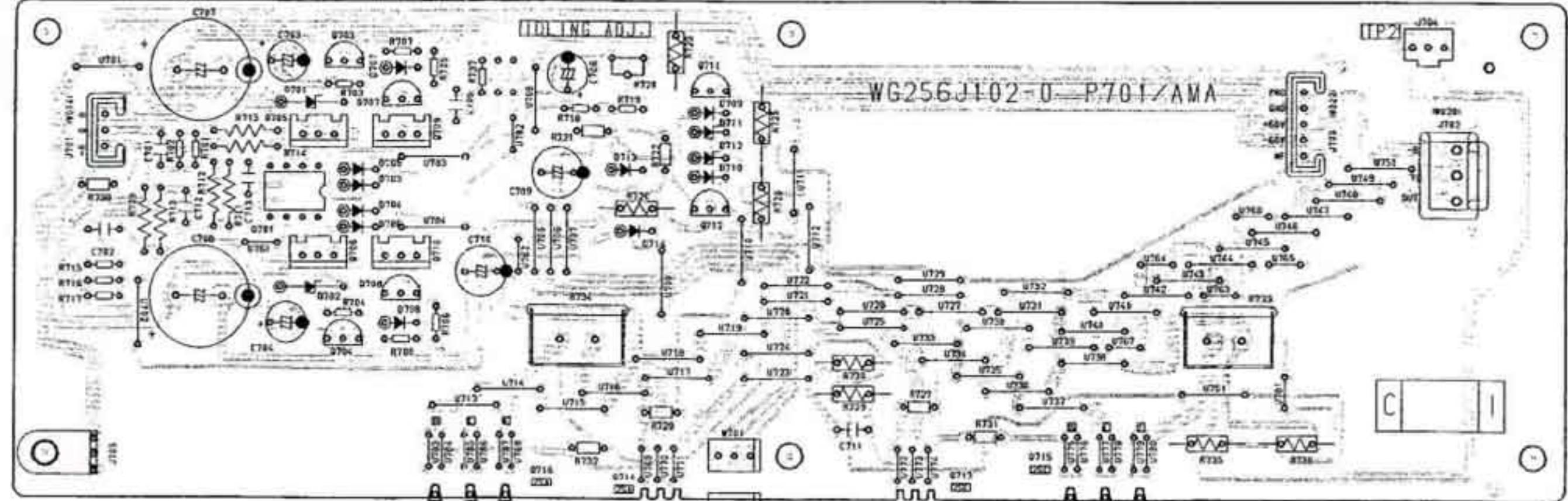
P651

Q602



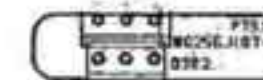
P701 POWER AMP R CH

Q705, Q703, Q707, Q709 Q701, Q706, Q710, Q708 Q704 C716 Q714 Q713 Q715 Q711 Q712



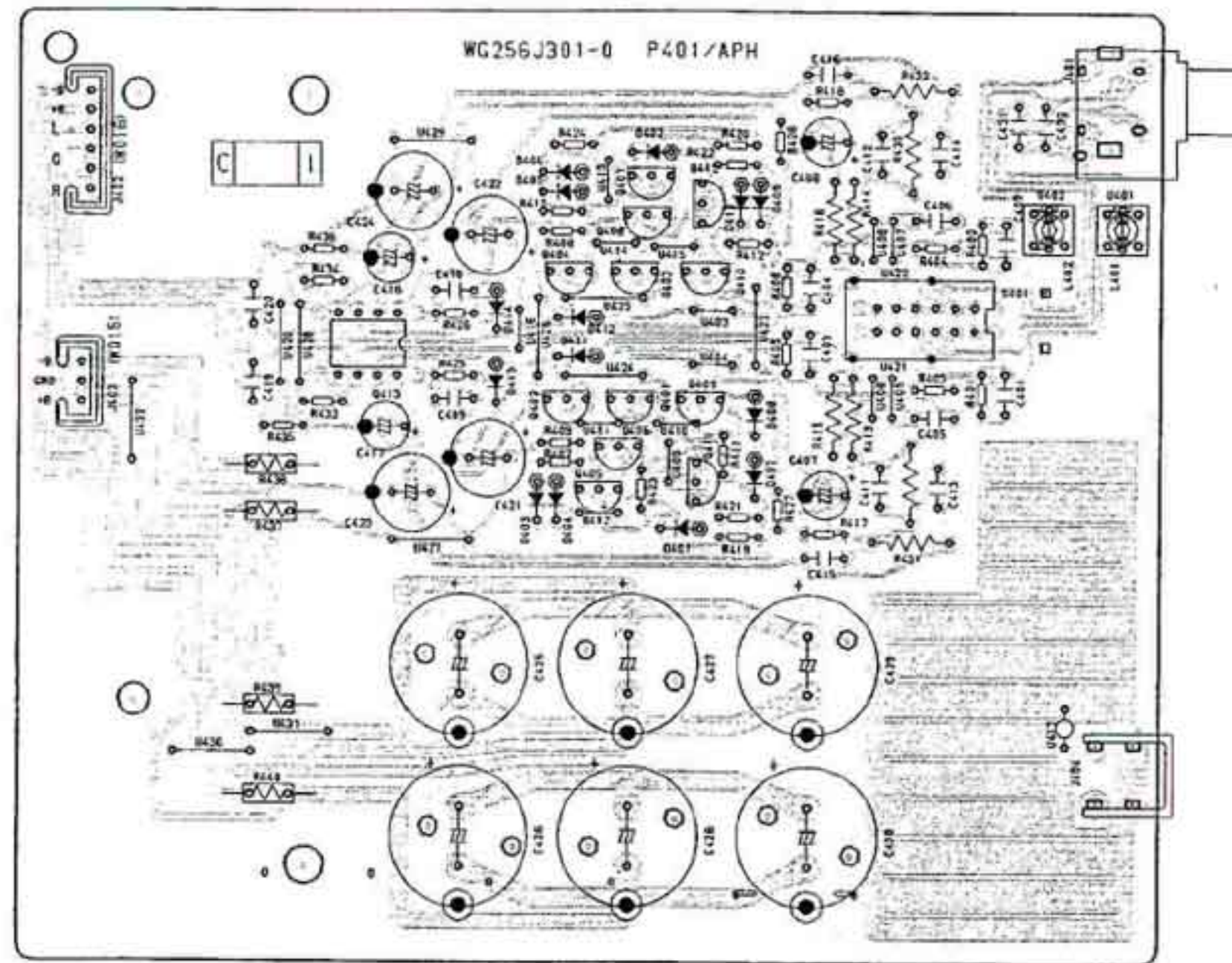
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Q702



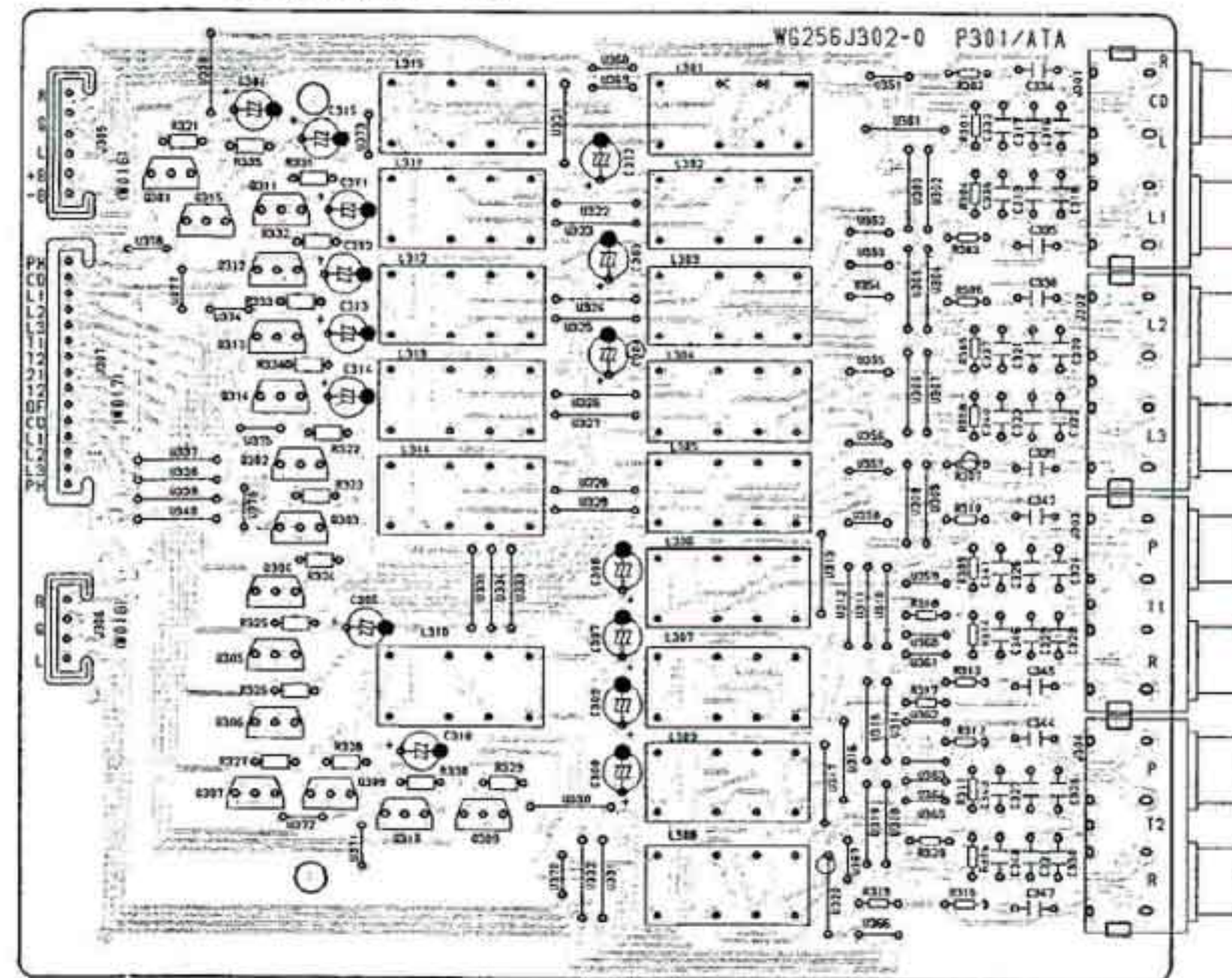
P401 *Promo A-f*

Q413 Q407, Q408, Q412
Q401-Q404 Q409, Q410
Q405, Q406 Q411

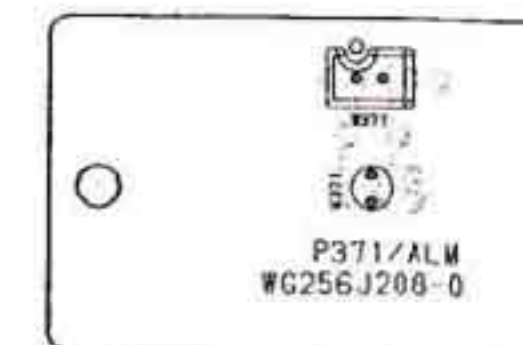


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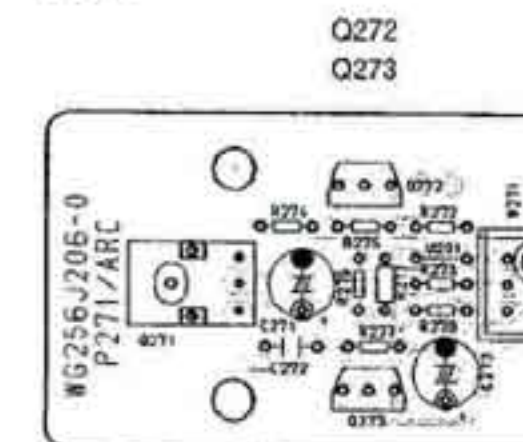
Q301, Q315 Q311-Q314
Q302-Q307, Q308, Q310 Q309



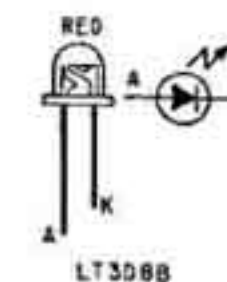
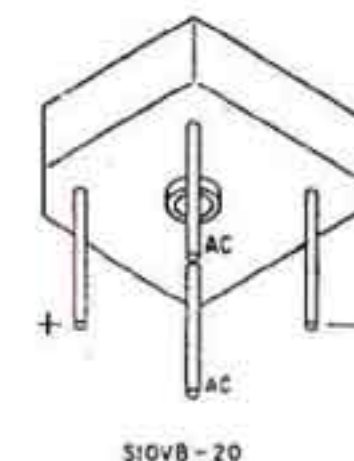
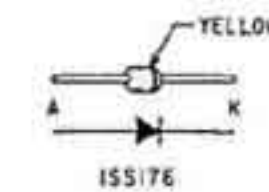
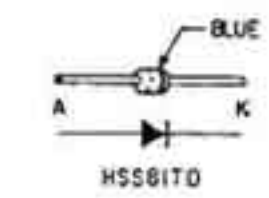
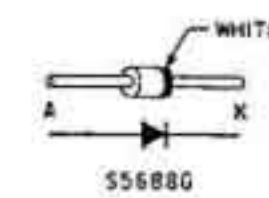
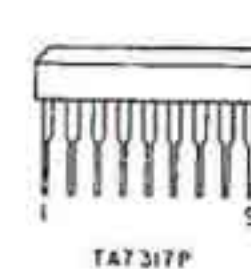
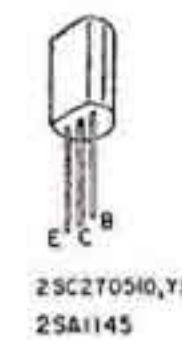
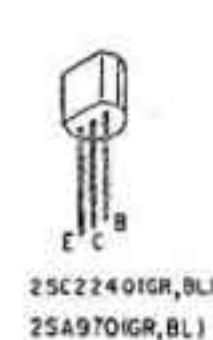
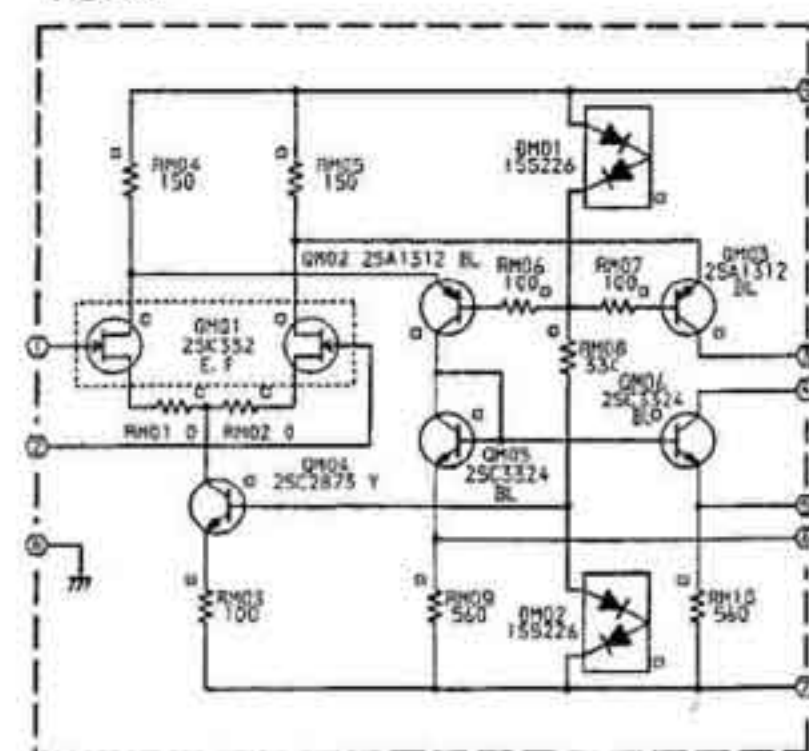
P371



P271



HDAM

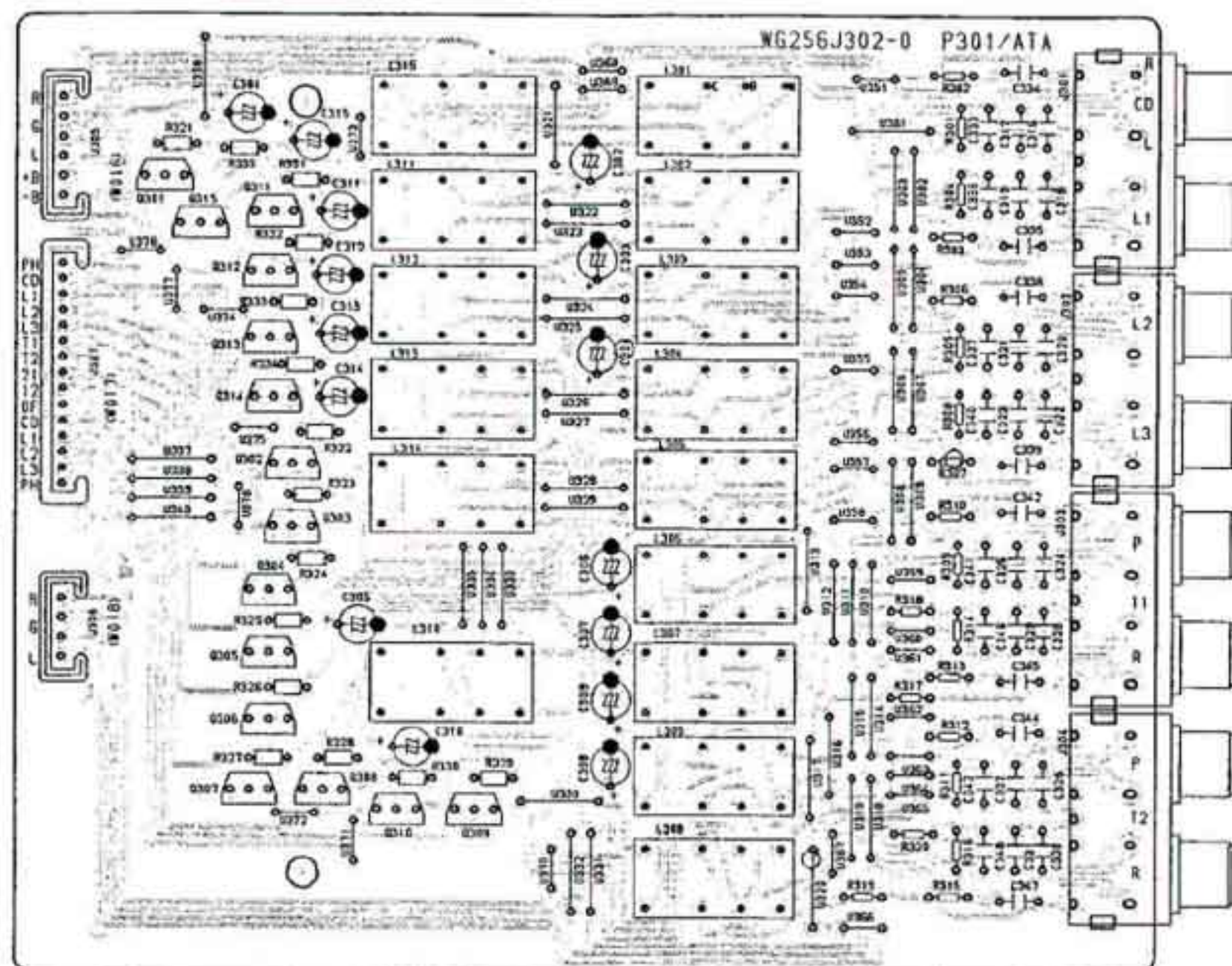


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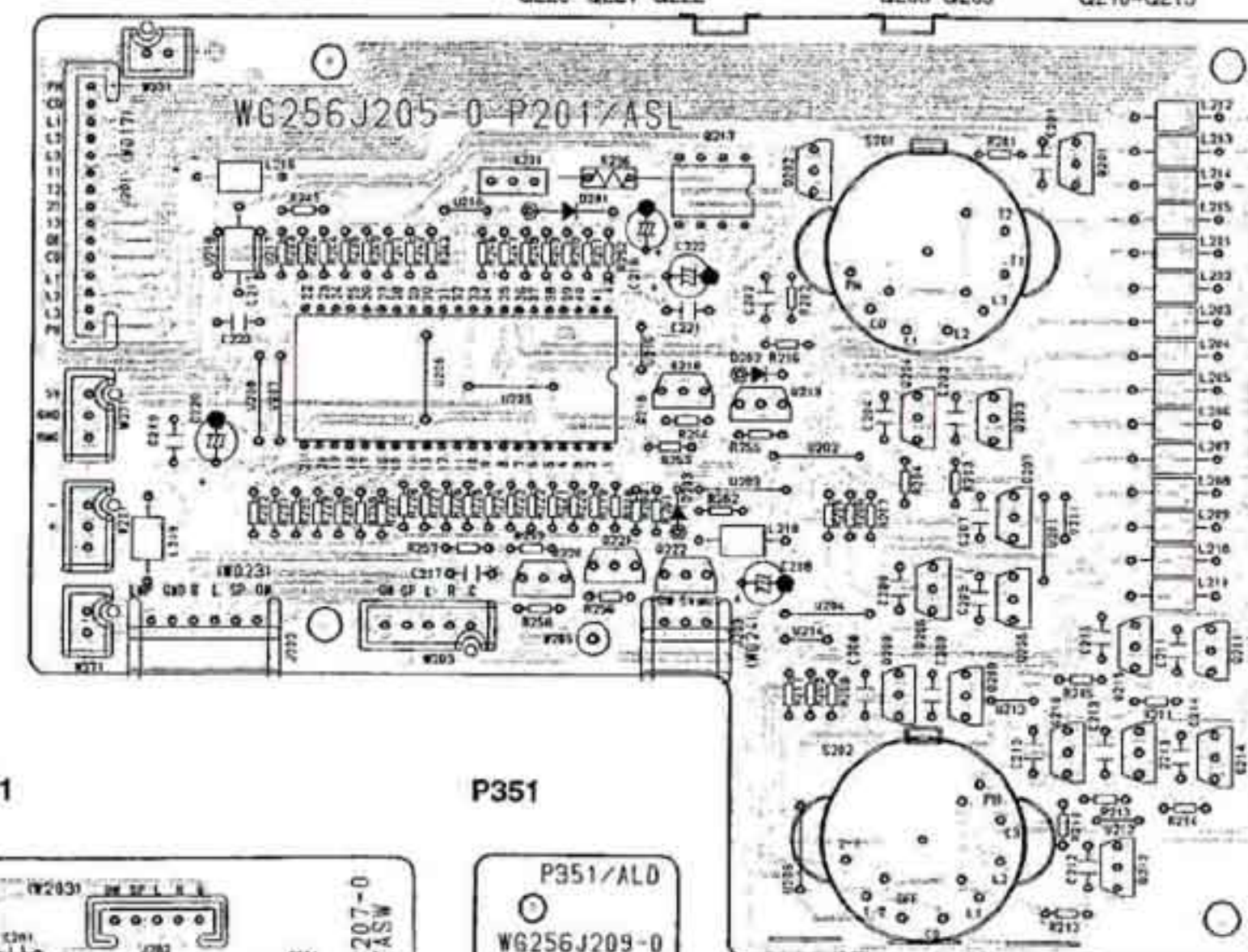
P301

Q301, Q315
Q311-Q314
Q302-Q307, Q308, Q310 Q309

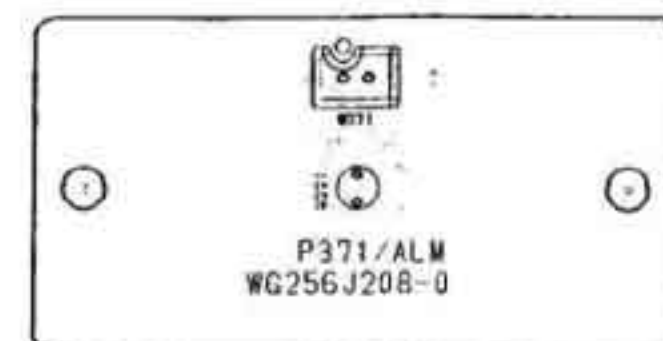


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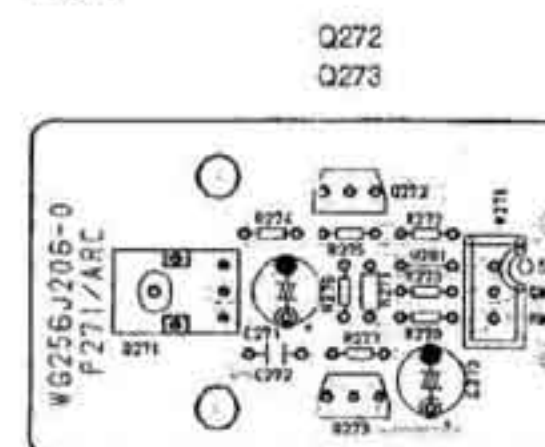
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Q218 Q219 Q203-Q207
Q220 Q221 Q222 Q208 Q209 Q210-Q215



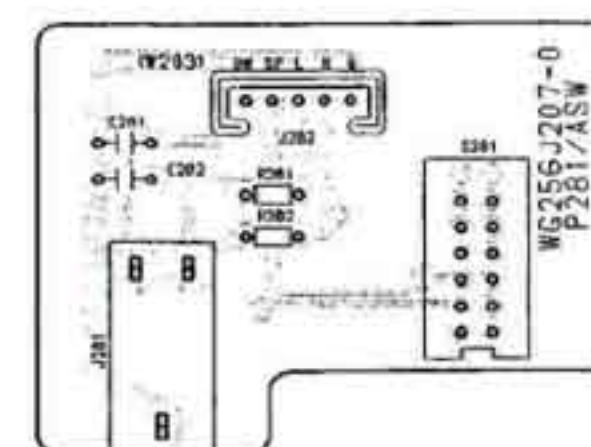
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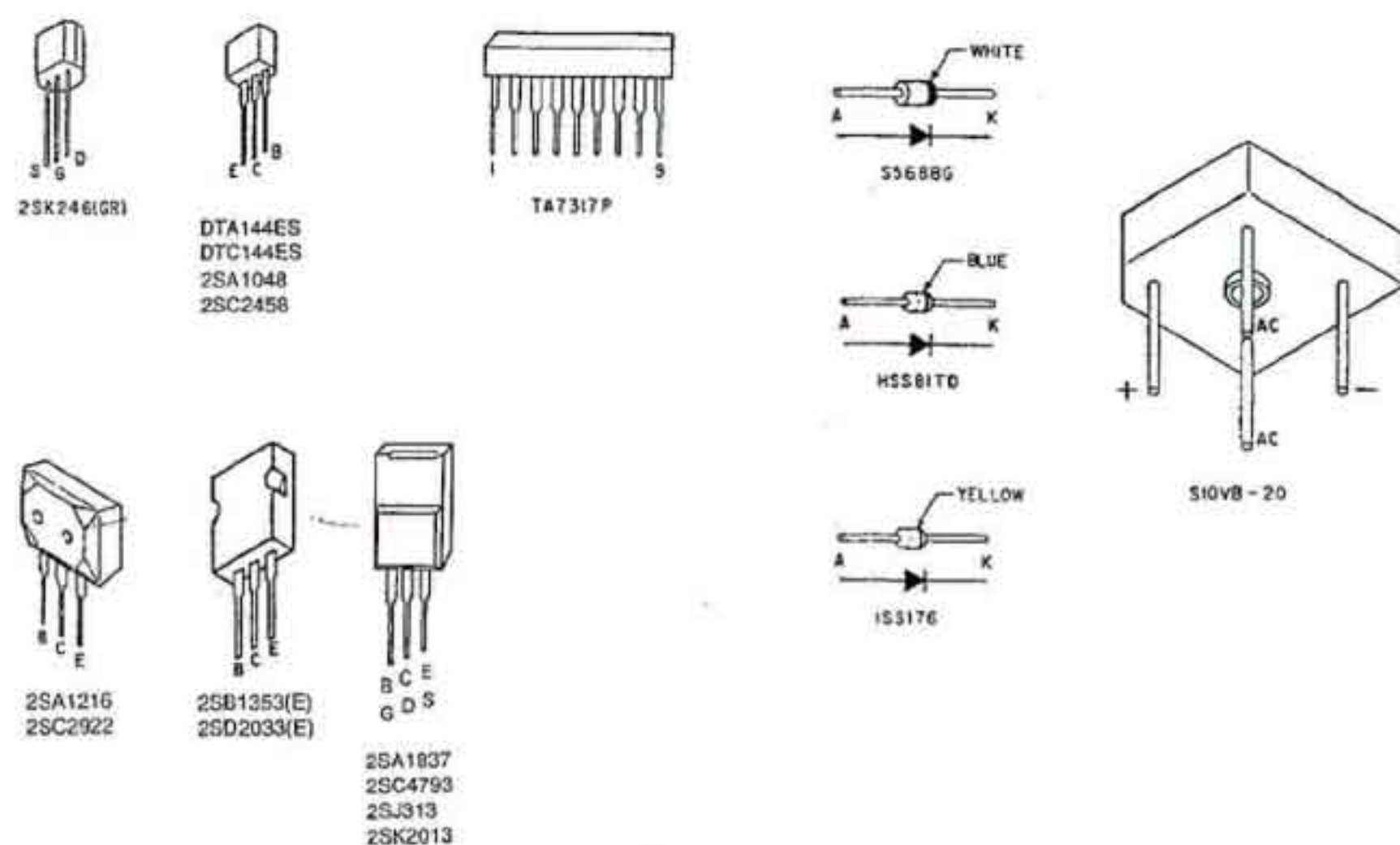
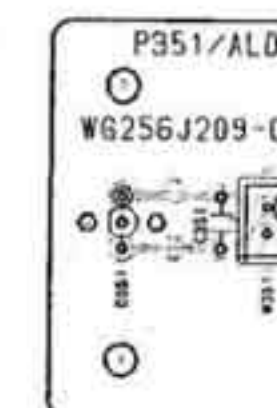
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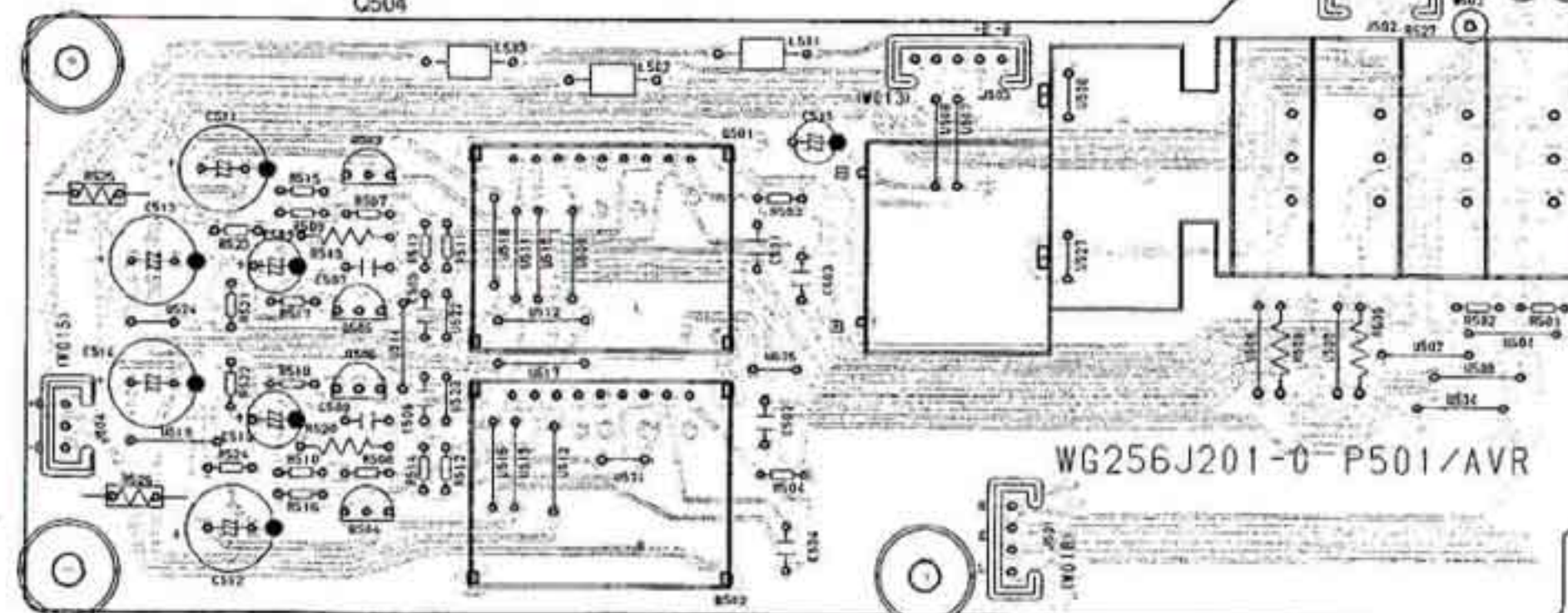


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P501

Q503
Q505, Q506
Q504



P801

Q802

Q806, Q804

Q801

Q803, Q805

P851

Q851-Q853

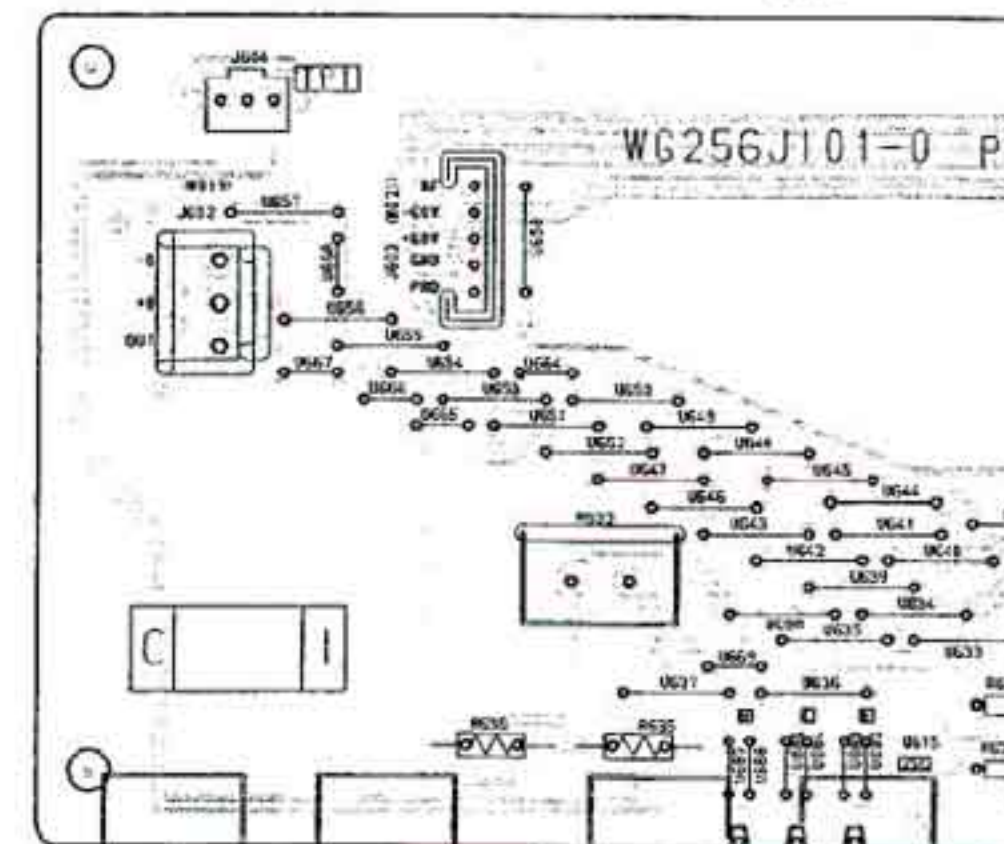
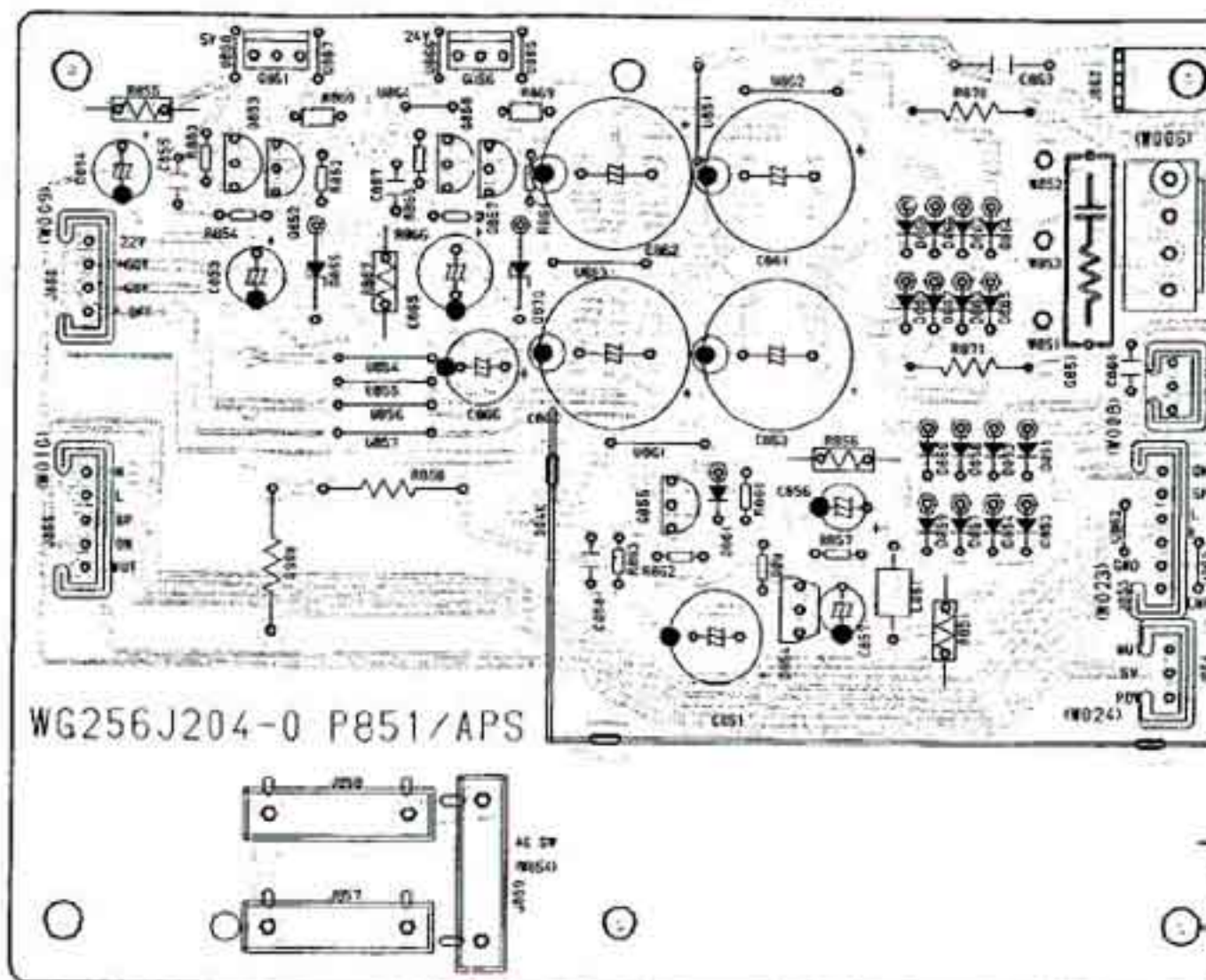
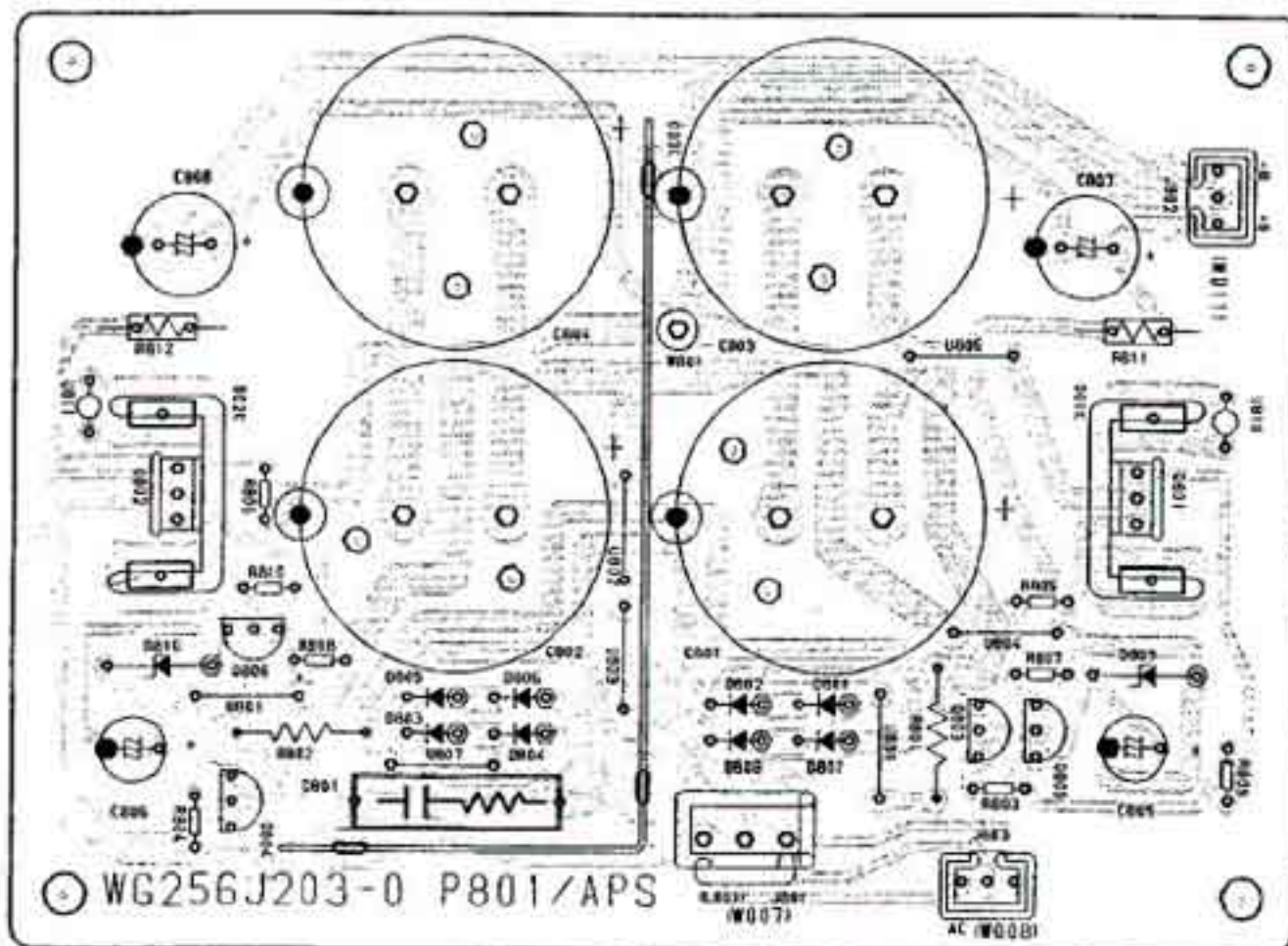
Q856-Q858

Q855

Q854

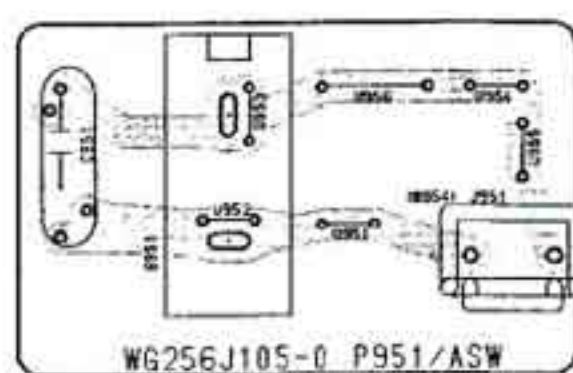
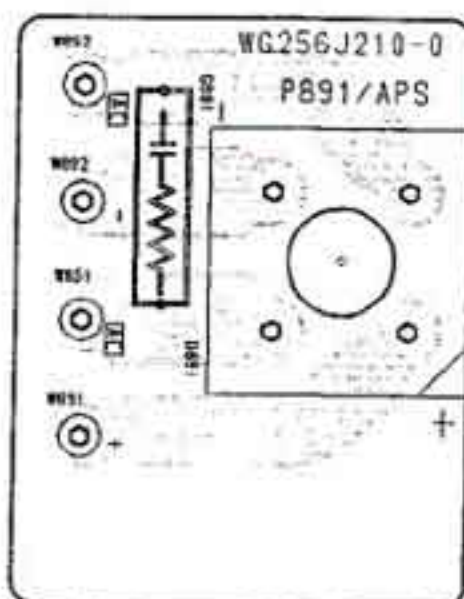
P601 POWER AMP L CH

Q615

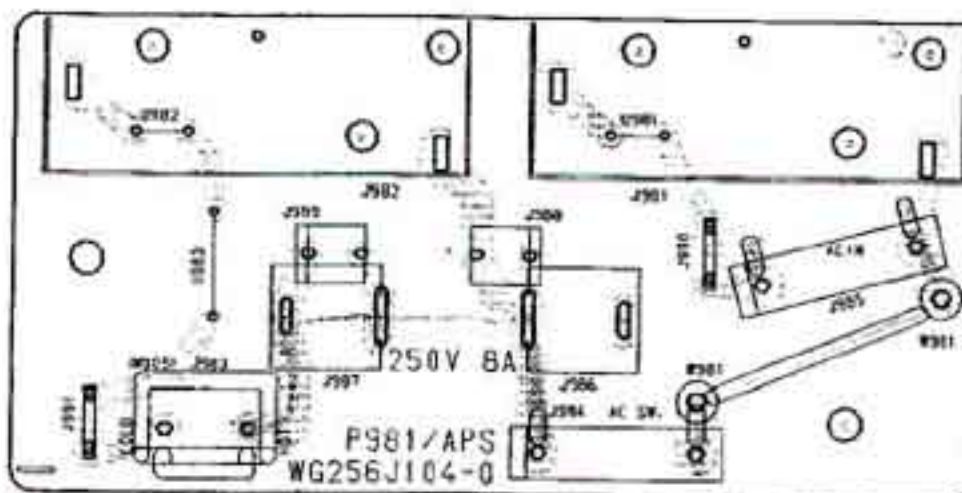


P891

P951



P981



P901

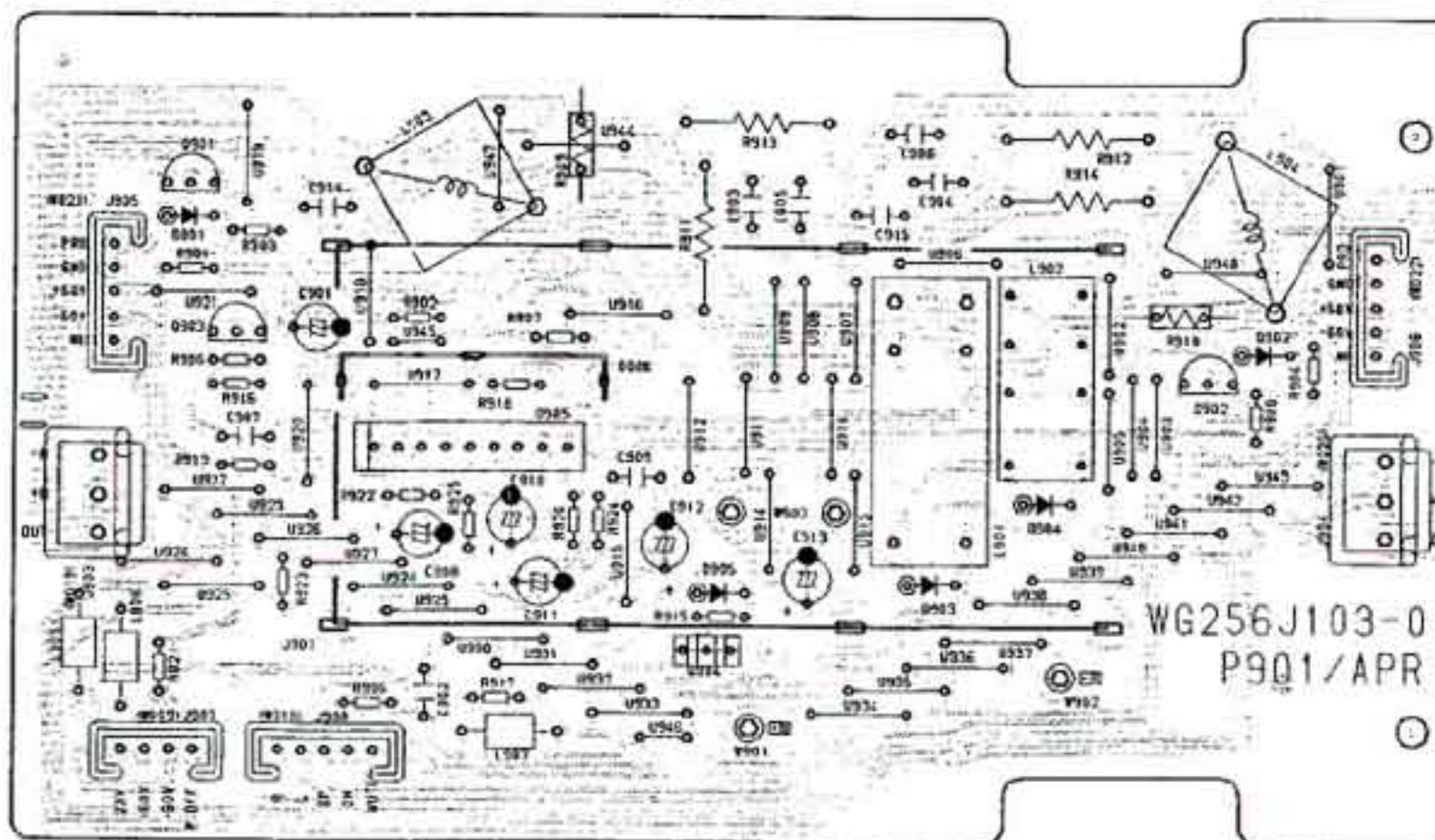
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Q903

Q905

Q904

Q902



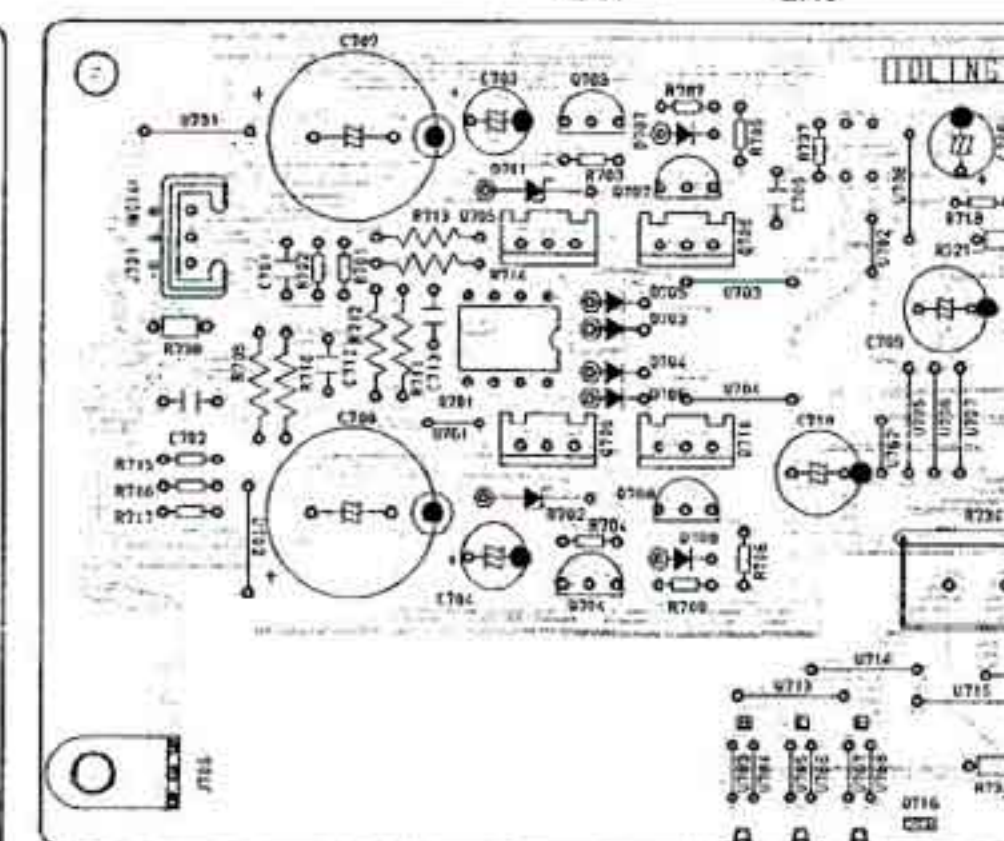
P701 POWER AMP R CH

Q705, Q703, Q707, Q709

Q701, Q706, Q710, Q708

Q704

Q716



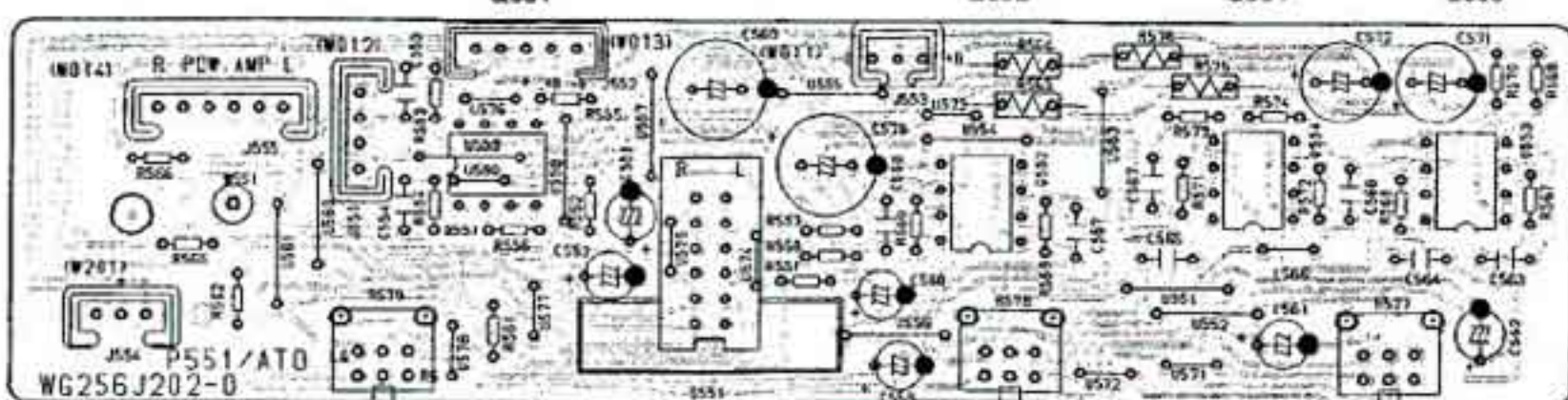
P551

Q551

Q552

Q554

Q553



PCS 86 655

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RA-00646 / DRUCK7

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