

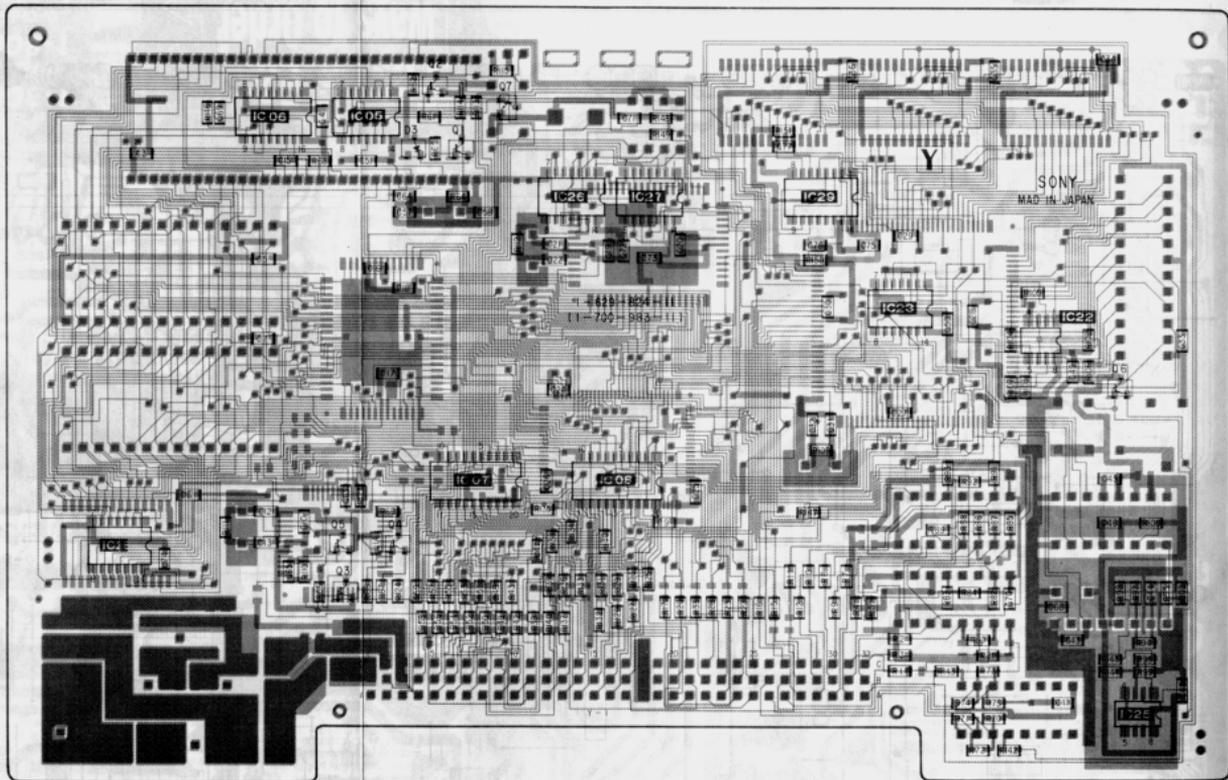




■ : Pattern from the side which enables seeing.  
■ : Pattern of the rear side.

BUS TUD A

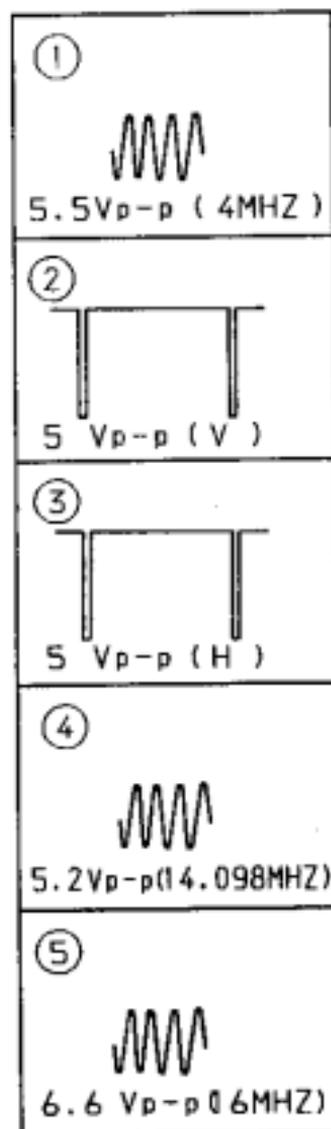
- Y BOARD - (COMPONENT SIDE)





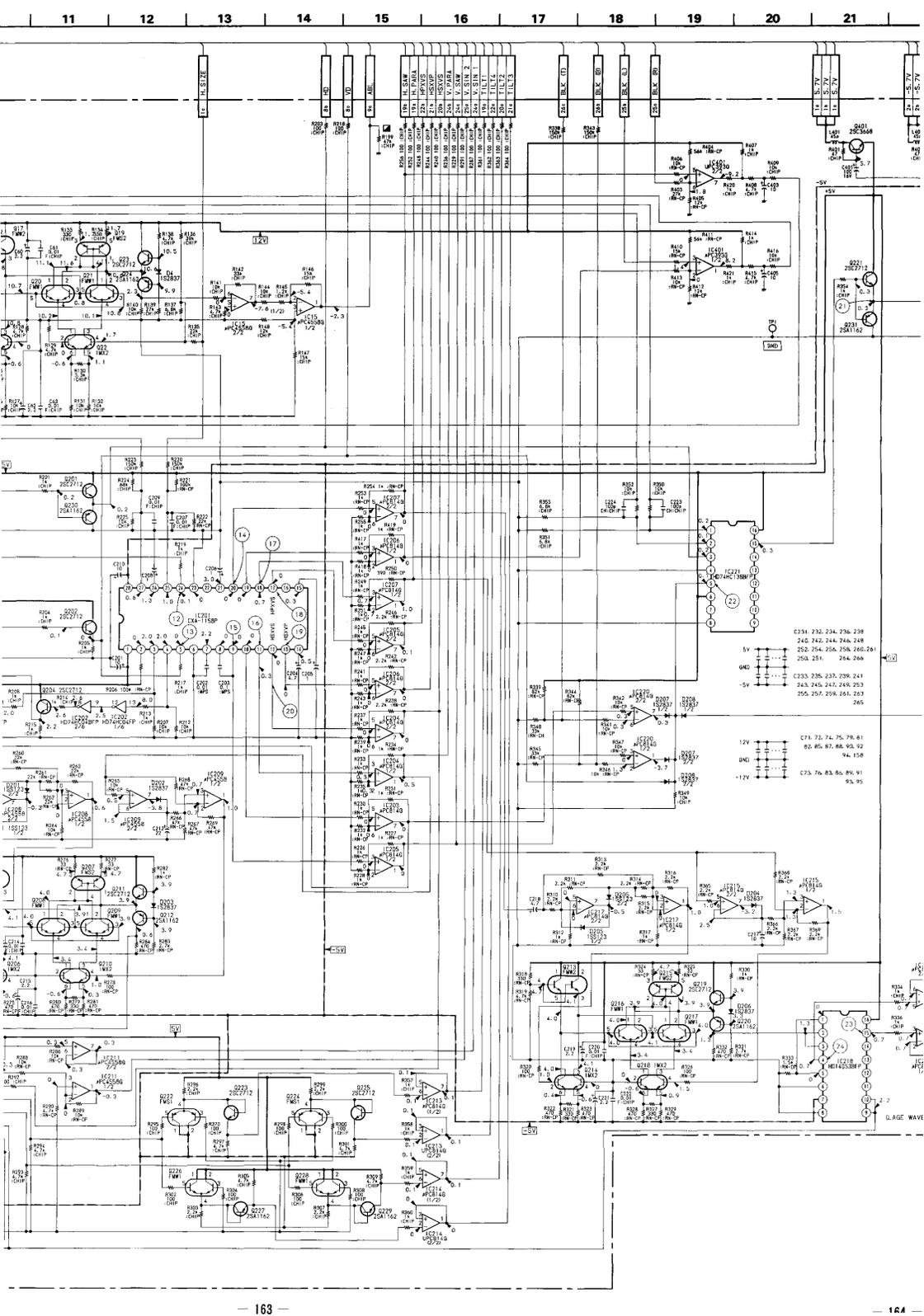


• Y BOARD WAVEFORM









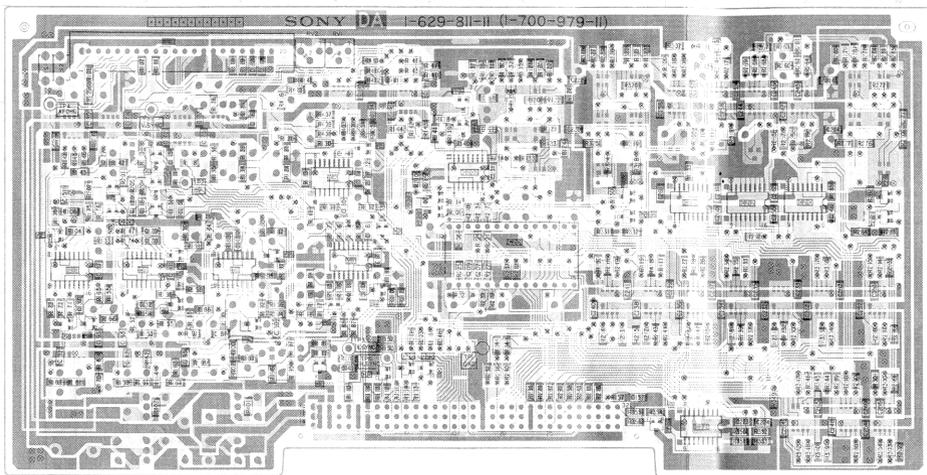
C731 232 234 236 238  
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DA

[LARGE WAVEFORM GENERATOR]

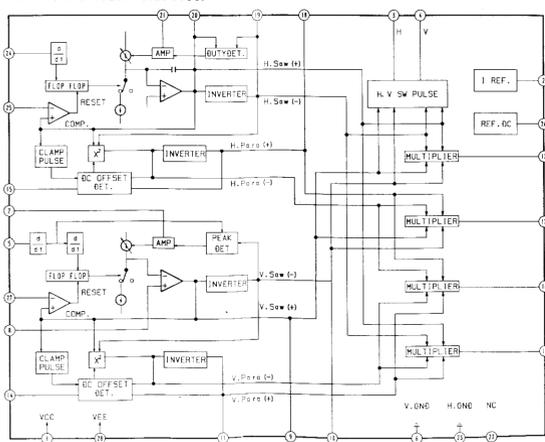
-DA BOARD- (CONDUCTOR SIDE)

VPH-1270Q  
RM-1270VPH-1270Q  
RM-1270

DA Board (Conductor side)

DIODE		IC		TRANSISTOR		RV	
D003	D-4	IC218	C-8	Q009	D-1	Q211	B-10
		IC221	E-8	Q010	C-2	Q212	C-10
				Q012	C-3	Q219	B-7
				Q013	D-3	Q220	C-7
				Q014	C-1	Q221	E-7
				Q015	D-4		
				Q016	C-2		
IC003	C-4	Q001	B-2	Q223	A-5		
IC005	B-4	Q002	D-4	Q204	B-5		
IC009	C-2	Q003	D-4	Q205	D-5		
IC011	C-3	Q004	C-4	Q206	D-5		
IC018	C-1	Q005	C-5	Q201	B-2		
IC202	B-5	Q006	B-2	Q202	B-2		
IC210	C-9	Q007	D-2	Q203	C-5		
IC212	C-8	Q008	D-1	Q204	C-5		

• DA BOARD IC201 CXA-1158P

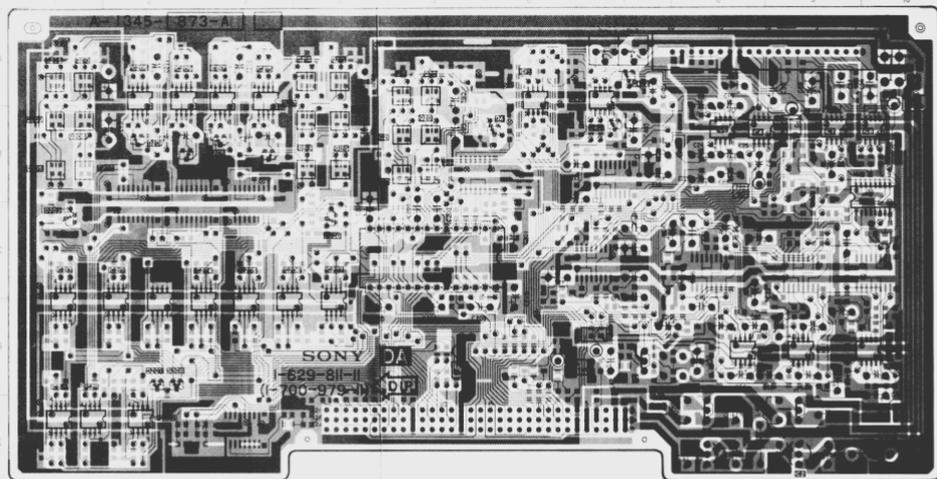


DA Board (Component side)

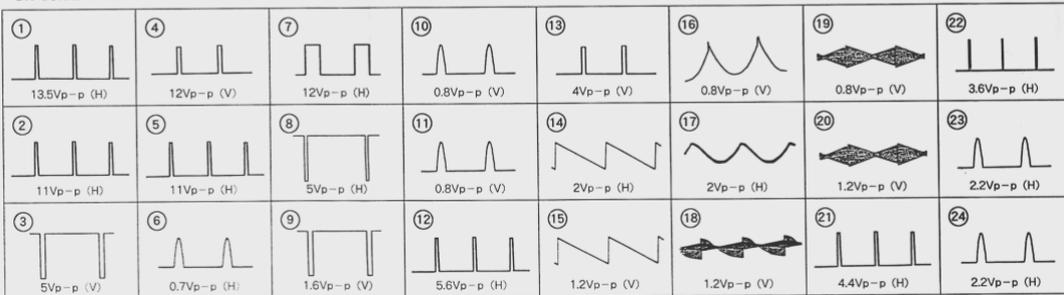
DIODE		IC		TRANSISTOR			
D001	E-8	IC001	E-8	Q204	C-3	Q210	A-1
D002	E-10	IC002	E-9	Q205	C-3	Q213	B-4
D004	B-2	IC004	B-8	Q206	C-3	Q214	A-4
D005	A-8	IC006	B-8	Q207	C-4	Q215	B-4
D008	B-2	IC008	B-8	Q208	A-2	Q216	B-4
D009	B-2	IC009	A-2	Q209	A-2	Q217	B-4
D021	B-2	IC008	B-8	IC211	E-1	Q220	B-5
D022	B-2	IC010	D-9	IC213	C-1	Q221	B-5
D023	C-1	IC012	D-8	IC214	E-1	Q402	A-5
D024	B-3	IC014	A-9	IC215	A-3	Q205	B-1
D025	B-3	IC015	A-6	IC217	C-1	Q206	A-1
D026	C-4	IC016	D-10	IC219	C-2	Q207	B-1
D027	D-2	IC017	C-10	IC220	E-2	Q208	B-1
D028	D-2	IC201	C-5	IC401	A-7	Q209	B-1
		IC203	C-2				

— DA BOARD — (COMPONENT SIDE)

 : Pattern from the side which enables seeing.  
 : Pattern of the rear side.



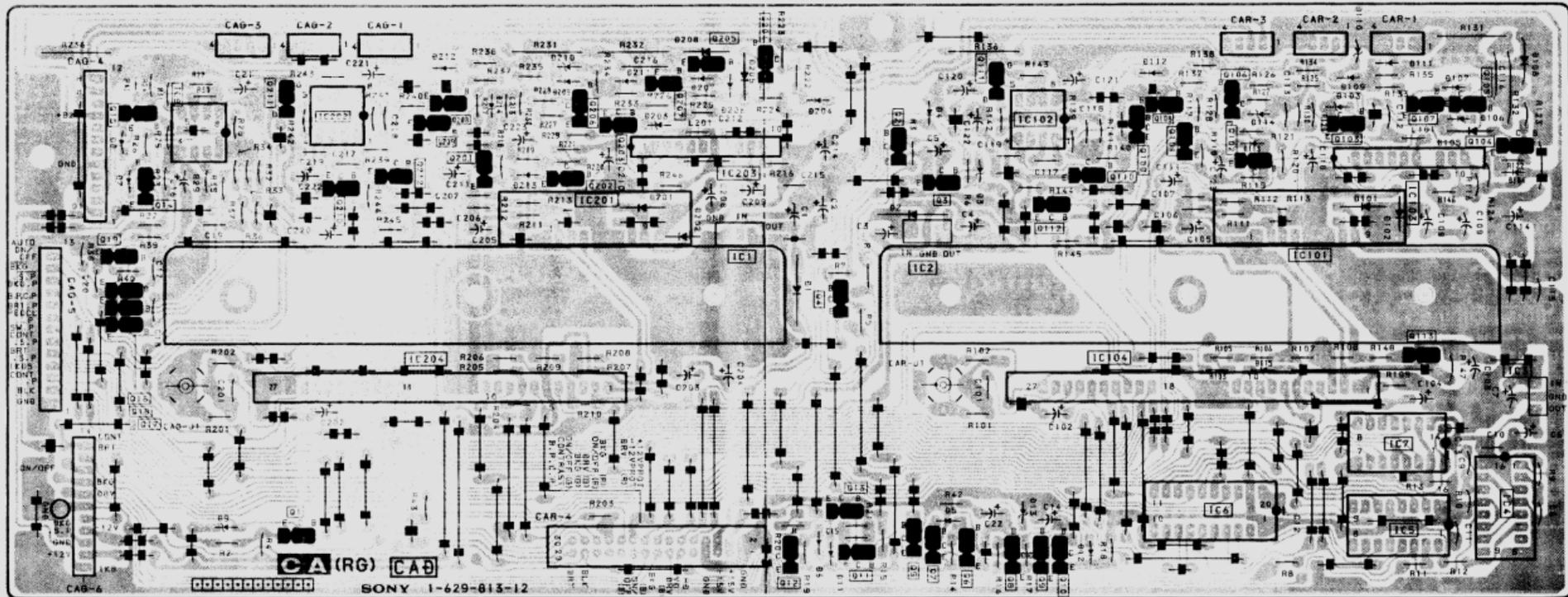
• DA BOARD WAVEFORM

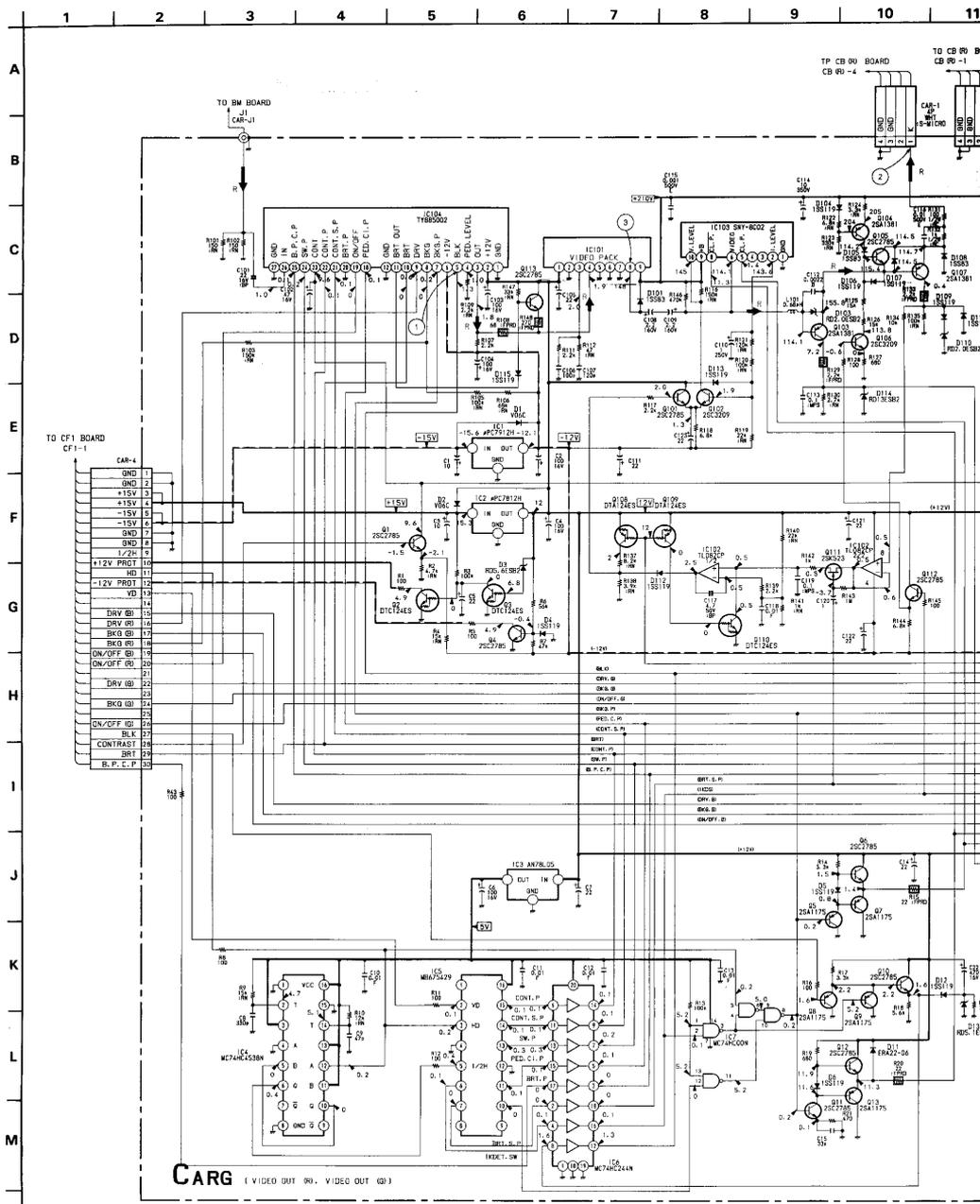


**CA(RG)**

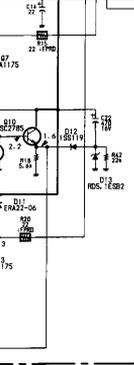
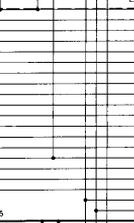
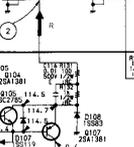
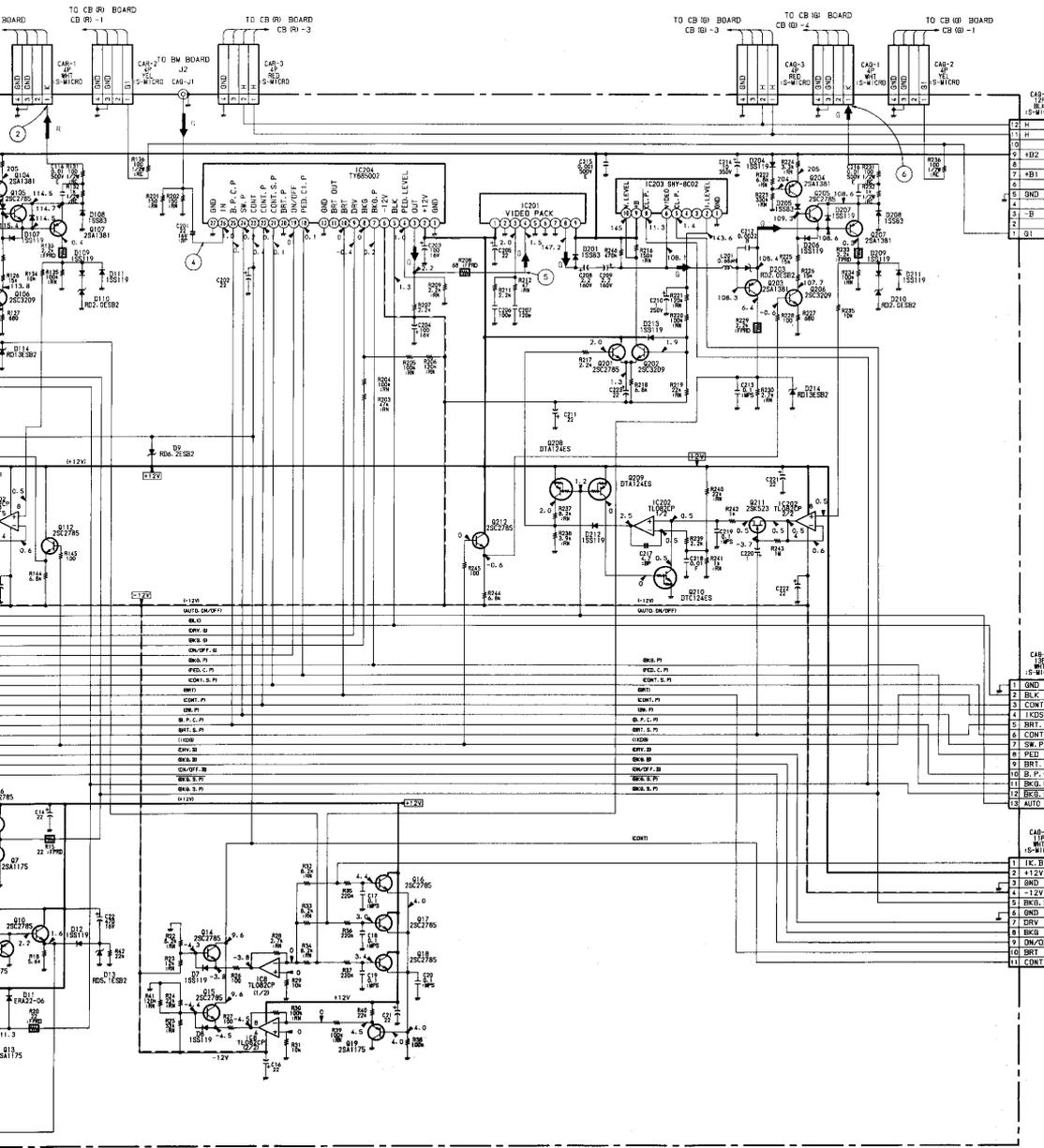
VIDEO OUT (R.)  
VIDEO OUT (G.)

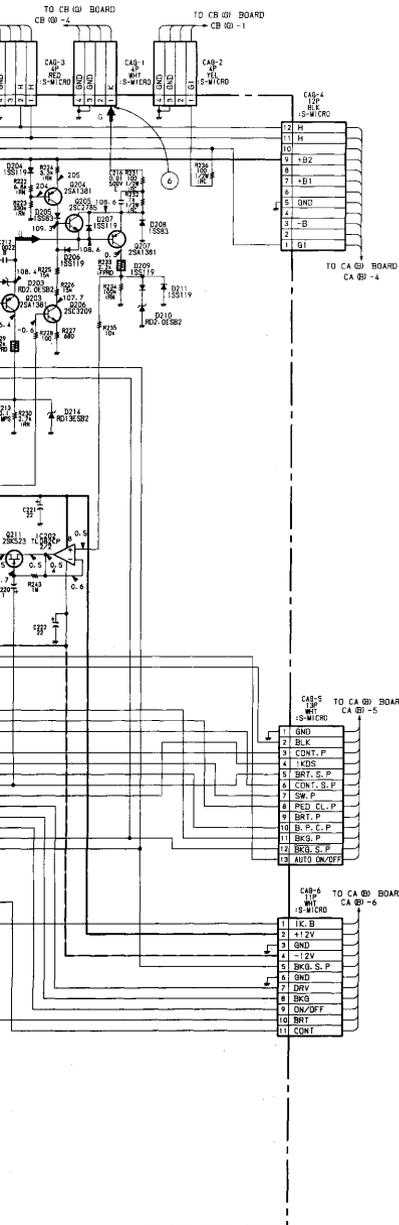
- CA (RG) BOARD -





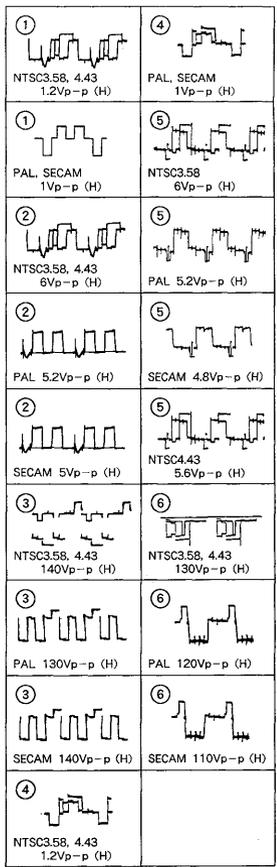
**CARG** ( VIDEO OUT (R), VIDEO OUT (B) )



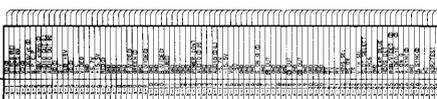
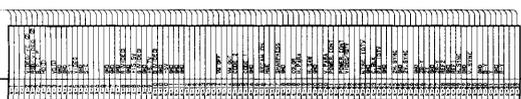


D1	V05C	-12V REG PROT
D2	V06C	+12V REG PROT
D3	R05GE82	+12V PROT
D4	1S5119	+12V PROT
D5	1S5119	
D6	1S5119	BIAS
D7	1S5119	PEAK ABL
D8	1S5119	S T ABL
D9	R05GE82	CONT PROT
D10	ERA22-06	PROT
D11	ERA22-06	PROT
D12	1S5119	ON SPOT PROT
D13	R05GE82	ON SPOT PROT
D14	1S583	R VIDEO OUT PROT
D103	R02DE82	R IK DET-1 PROT
D104	1S5119	R THERM COMP
D105	1S583	R IK DET-2 PROT
D106	1S5119	R IK DET-2 PROT
D107	1S5119	R AUTO BKG SW
D108	1S583	R VIDEO OUT PROT
D109	1S5119	R IK DET-2 PROT
D110	R02DE82	R V CORR
D111	1S5119	R IK DET-2 PROT
D112	1S5119	R AUTO BKG SW
D113	1S5119	R OFF SPOT PROT
D114	R013ES82	R IK DET-1 PROT
D115	1S5119	R V CORR
D201	1S583	G VIDEO OUT PROT
D203	R02DE82	G IK DET-1 PROT
D204	1S5119	G THERM COMP
D205	1S583	G IK DET-2 PROT
D206	1S5119	G IK DET-2 PROT
D208	1S583	G IK DET-2 PROT
D209	1S5119	G IK DET-2 PROT
D210	R02DE82	G IK DET-2 PROT
D211	1S5119	G AUTO BKG SW
D212	1S5119	G OFF SPOT PROT
D213	1S5119	G IK DET-1 PROT
D214	R013ES82	
Q1	25C2785	CONTRAST CONTROL
Q2	DT124ES	+12V PROT
Q3	DT124ES	+12V PROT
Q4	25C2785	BKG S P GEN
Q5	25A1175	BKG S P GEN
Q6	25C2785	BKG S P GEN
Q7	25A1175	BKG S P GEN
Q8	25A1175	BLK S P GEN
Q9	25A1175	BLK S P GEN
Q10	25C2785	BLK S P GEN
Q11	25C2785	BLK S P GEN
Q12	25C2785	BLK S P GEN
Q13	25A1175	BKG S P GEN
Q14	25C2785	PEAK ABL
Q15	25C2785	S T ABL
Q16	25C2785	B S T ABL
Q17	25C2785	G S T ABL
Q18	25C2785	S T ABL
Q19	25A1175	S T ABL
Q101	25C2785	R CLAMP
Q102	25C3209	R CLAMP
Q103	25A1381	R IK DET-1
Q104	25A1381	R CURRENT SOURCE
Q105	25C2785	R IK DET-2
Q106	25C3209	R IK DET-2
Q107	25A1381	R IK DET-2
Q108	DTA124ES	R AUTO BKG SW
Q109	DTA124ES	R AUTO BKG SW
Q110	DTA124ES	R AUTO BKG SW
Q111	25K523	R AUTO BKG
Q112	25C2785	R IK DET-2
Q113	25C2785	R V CORR
Q201	25C2785	G CLAMP
Q202	25C3209	G CLAMP
Q203	25A1381	G IK DET-1
Q204	25A1381	G CURRENT SOURCE
Q205	25C2785	G IK DET-2
Q206	25C3209	G IK DET-2
Q207	25A1381	G IK DET-2
Q208	DTA124ES	G AUTO BKG SW
Q209	DTA124ES	G AUTO BKG SW
Q210	DTA124ES	G AUTO BKG SW
Q211	25K523	G AUTO BKG
Q212	25C2785	G IK DET-2
IC1	PC7812H	-12V REG
IC2	PC7812H	+12V REG
IC3	AV78L05	+5V REG
IC4	MC74HC4538N	PULSES GEN
IC5	MB675429	PULSES GEN
IC6	MC74HC244N	PULSES GEN
IC7	MC74HC00N	PULSES GEN
IC8	TL082CP	PEAK & S T ABL
IC10	VFM05	R VIDEO OUT
IC102	TL082CP	R AUTO BKG
IC103	SNY-8C02	R CLAMP
IC104	TY885002	R SIGNAL PROCESS
IC201	VFM05	G VIDEO OUT
IC202	TL082CP	G AUTO BKG
IC203	SNY-8C02	G CLAMP
IC204	TY885002	G SIGNAL PROCESS

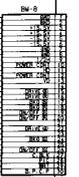
• CA (RG) BOARD WAVEFORM



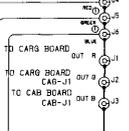
TO BA BOARD  
BW-1



B M



TO CF1 BOARD  
CF1-1

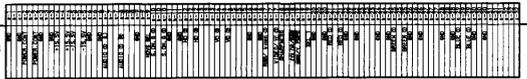


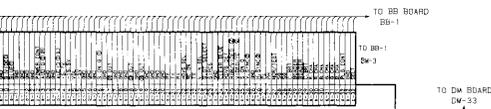
TO CAR8 BOARD  
DUT 8  
TO CAR8 BOARD  
CAB-J1 DUT 8  
TO CAR8 BOARD  
CAB-J1 DUT 8  
TO CAR8 BOARD  
CAB-J1 DUT 8



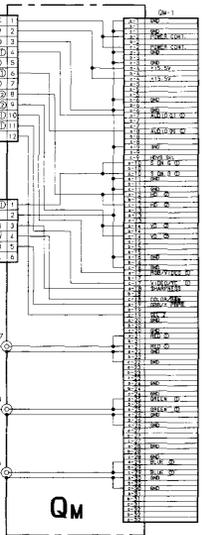
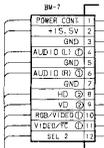
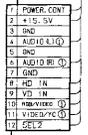
- 1 S ON G (T)
- 2 ONC
- 3 SHARPNESS
- 4 COL OR
- 5 SERV. REST
- 6 MDVS SEL

BW-9

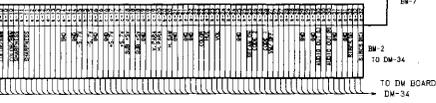




**B M**



**Q M**

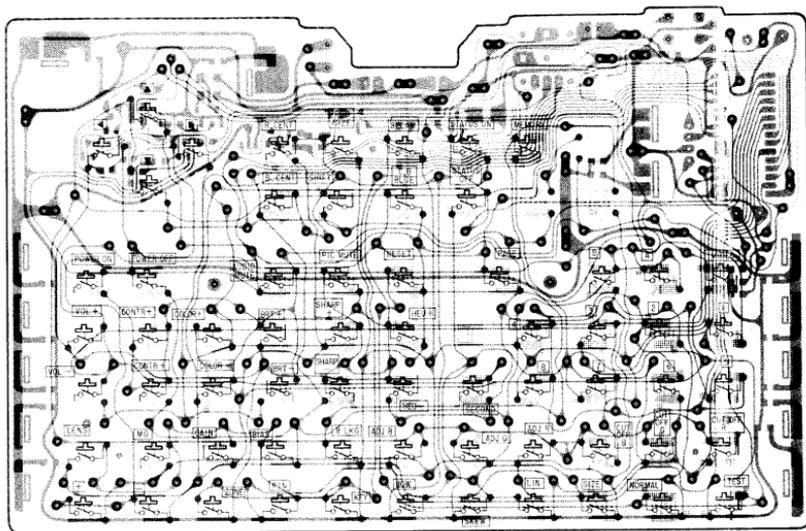






**RC** [CONTROL PANEL]**RCA** **RCA** **RCA** **RCA** **RCA****RCA****RCA****RCA**

- RC BOARD - (CONDUCTOR SIDE)



 : Conductor side.  
 : Component side.  
 : Carbon pattern side.

- RC-A BOARD -



- RC-C BOARD -



- RC-D BOARD -



- RC-B BOARD -

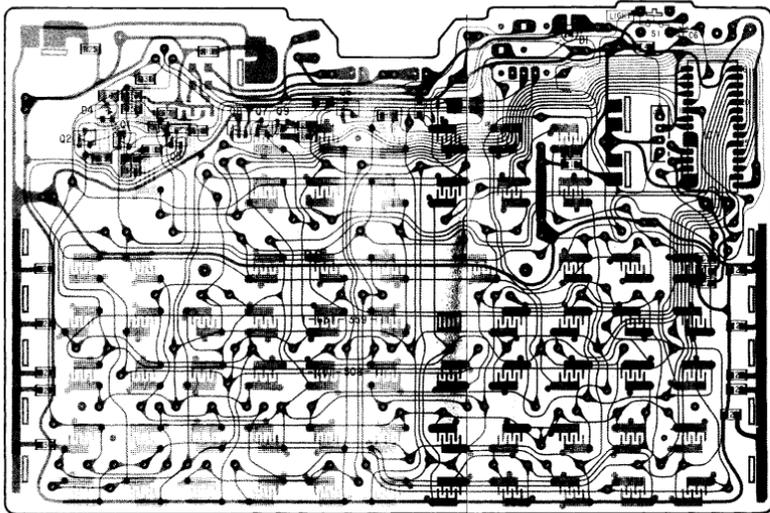


- RC-D BOARD -



- RC BOARD - (COMPONENT SIDE)

-  : Conductor side.
-  : Component side.
-  : Carbon pattern side.



-  : Component side.
-  : Conductor side.
-  : Carbon pattern side.

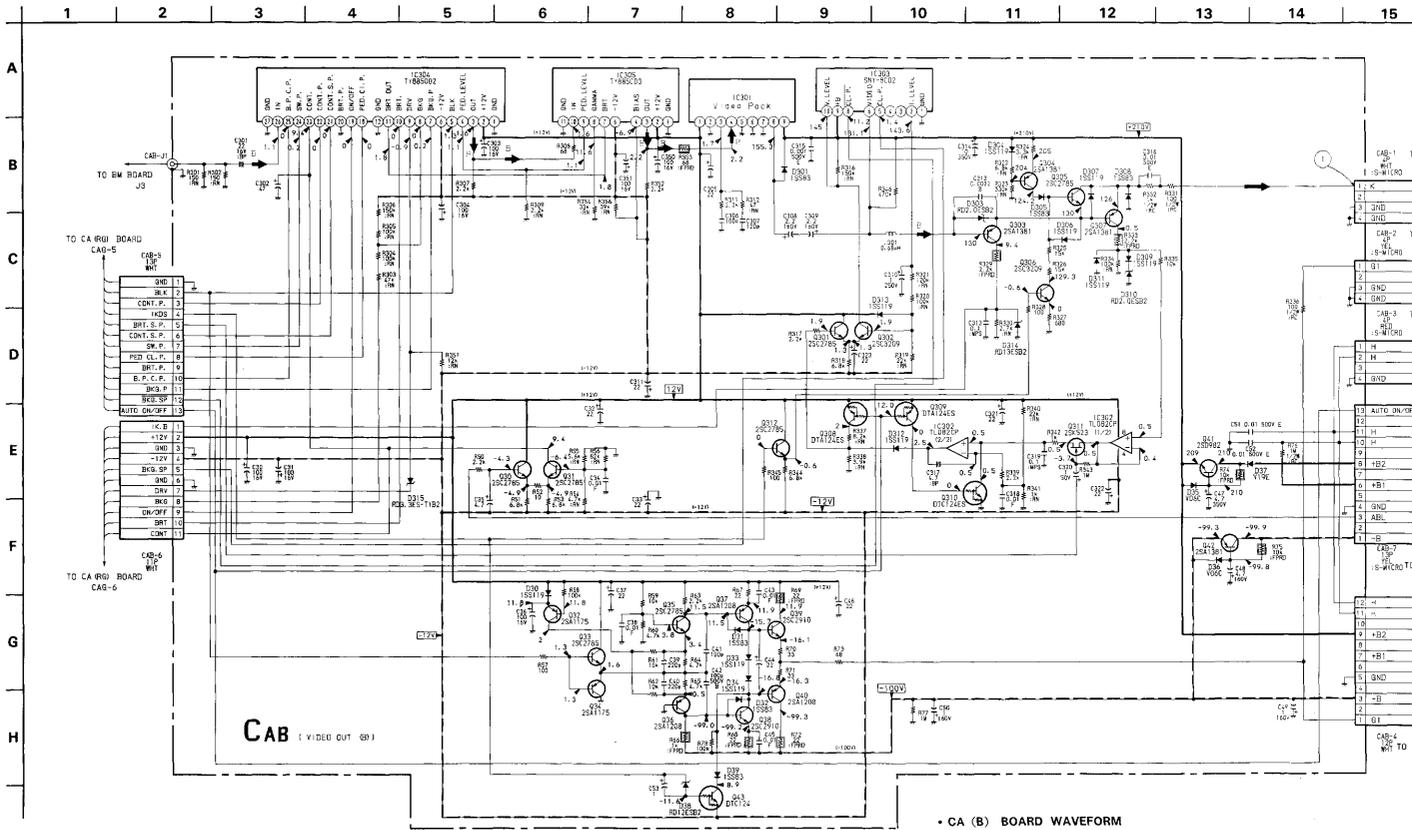
- RC-D BOARD -



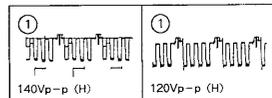
-  : Pattern from the side which enables seeing.
-  : Pattern of the rear side.

- RC-D BOARD -

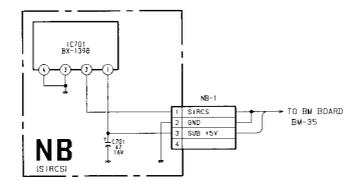
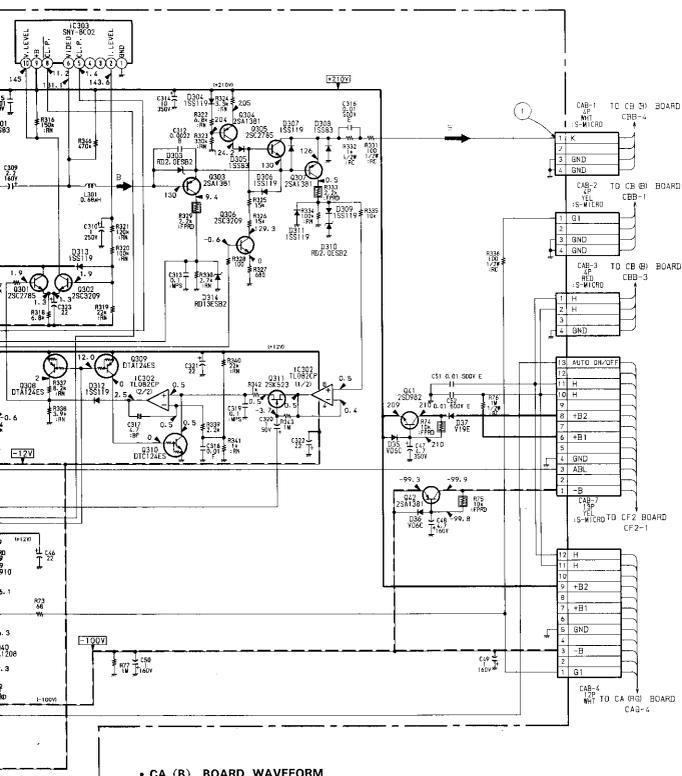




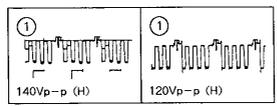
• CA (B) BOARD WAVEFORM



9 10 11 12 13 14 15 16 17 18 19 20 21



• CA (B) BOARD WAVEFORM

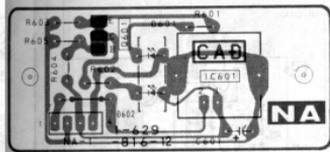


(CA (B) BOARD)

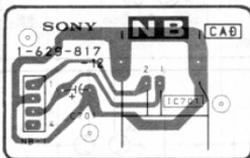
D30	ISS119	OFF SPOT PROT							
D31	ISS83	BLK							
D32	ISS83	BLK							
D33	ISS119	BLK							
D34	ISS119	BLK							
D36	V06C	+210V RIPPLE FILTER PBDT							
D37	V19E	100V RIPPLE FILTER PROT							
D38	RD22ESB2	+210V RIPPLE FILTER PBDT							
D39	ISS83	BRT PULSE GEN							
D301	ISS83	B VIDEO OUT PROT							
D303	RD20ESB2	B IK DET-1 PROT							
D304	ISS119	B THERM COMP							
D305	ISS83	B IK DET-2 PROT							
D306	ISS119	B IK DET-2 PROT							
D307	ISS119	B IK DET-2 PROT							
D308	ISS83	B VIDEO OUT PROT							
D309	ISS119	B IK DET-2 PROT							
D310	RD20ESB2	B IK DET-2 PROT							
D311	ISS119	B IK DET-2 PROT							
D312	ISS119	B AUTO BKG SW							
D313	ISS119	B OFF SPOT PROT							
D314	RD13ESB2	B IK DET-2 PROT							
D315	RD33ESB2	B DRW							
D30	25C2785	I ABL							
D31	25C2785	I ABL							
D32	25A1175	DEF SPOT PROT							
D33	25C2785	BLK							
D34	25A1175	BLK							
D35	25C2785	BLK							
D36	V06C	+210V RIPPLE FILTER PBDT							
D37	V19E	100V RIPPLE FILTER PROT							
D38	RD22ESB2	+210V RIPPLE FILTER PBDT							
D39	ISS83	BRT PULSE GEN							
D301	ISS83	B VIDEO OUT PROT							
D303	RD20ESB2	B IK DET-1 PROT							
D304	ISS119	B THERM COMP							
D305	ISS83	B IK DET-2 PROT							
D306	ISS119	B IK DET-2 PROT							
D307	ISS119	B IK DET-2 PROT							
D308	ISS83	B VIDEO OUT PROT							
D309	ISS119	B IK DET-2 PROT							
D310	RD20ESB2	B IK DET-2 PROT							
D311	ISS119	B IK DET-2 PROT							
D312	ISS119	B AUTO BKG SW							
D313	ISS119	B OFF SPOT PROT							
D314	RD13ESB2	B IK DET-2 PROT							
D315	RD33ESB2	B DRW							
D30	25C2785	BLK							
D31	25C2785	BLK							
D32	25A1175	DEF SPOT PROT							
D33	25C2785	BLK							
D34	25A1175	BLK							
D35	25C2785	BLK							
D36	V06C	+210V RIPPLE FILTER PBDT							
D37	V19E	100V RIPPLE FILTER PROT							
D38	RD22ESB2	+210V RIPPLE FILTER PBDT							
D39	ISS83	BRT PULSE GEN							
D301	ISS83	B VIDEO OUT PROT							
D303	RD20ESB2	B IK DET-1 PROT							
D304	ISS119	B THERM COMP							
D305	ISS83	B IK DET-2 PROT							
D306	ISS119	B IK DET-2 PROT							
D307	ISS119	B IK DET-2 PROT							
D308	ISS83	B VIDEO OUT PROT							
D309	ISS119	B IK DET-2 PROT							
D310	RD20ESB2	B IK DET-2 PROT							
D311	ISS119	B IK DET-2 PROT							
D312	ISS119	B AUTO BKG SW							
D313	ISS119	B OFF SPOT PROT							
D314	RD13ESB2	B IK DET-2 PROT							
D315	RD33ESB2	B DRW							
D30	25C2785	BLK							
D31	25C2785	BLK							
D32	25A1175	DEF SPOT PROT							
D33	25C2785	BLK							
D34	25A1175	BLK							
D35	25C2785	BLK							
D36	V06C	+210V RIPPLE FILTER PBDT							
D37	V19E	100V RIPPLE FILTER PROT							
D38	RD22ESB2	+210V RIPPLE FILTER PBDT							
D39	ISS83	BRT PULSE GEN							
D301	ISS83	B VIDEO OUT PROT							
D303	RD20ESB2	B IK DET-1 PROT							
D304	ISS119	B THERM COMP							
D305	ISS83	B IK DET-2 PROT							
D306	ISS119	B IK DET-2 PROT							
D307	ISS119	B IK DET-2 PROT							
D308	ISS83	B VIDEO OUT PROT							
D309	ISS119	B IK DET-2 PROT							
D310	RD20ESB2	B IK DET-2 PROT							
D311	ISS119	B IK DET-2 PROT							
D312	ISS119	B AUTO BKG SW							
D313	ISS119	B OFF SPOT PROT							
D314	RD13ESB2	B IK DET-2 PROT							
D315	RD33ESB2	B DRW							
D30	25C2785	BLK							
D31	25C2785	BLK							
D32	25A1175	DEF SPOT PROT							
D33	25C2785	BLK							
D34	25A1175	BLK							
D35	25C2785	BLK							
D36	V06C	+210V RIPPLE FILTER PBDT							
D37	V19E	100V RIPPLE FILTER PROT							
D38	RD22ESB2	+210V RIPPLE FILTER PBDT							
D39	ISS83	BRT PULSE GEN							
D301	ISS83	B VIDEO OUT PROT							
D303	RD20ESB2	B IK DET-1 PROT							
D304	ISS119	B THERM COMP							
D305	ISS83	B IK DET-2 PROT							
D306	ISS119	B IK DET-2 PROT							
D307	ISS119	B IK DET-2 PROT							
D308	ISS83	B VIDEO OUT PROT							
D309	ISS119	B IK DET-2 PROT							
D310	RD20ESB2	B IK DET-2 PROT							
D311	ISS119	B IK DET-2 PROT							
D312	ISS119	B AUTO BKG SW							
D313	ISS119	B OFF SPOT PROT							
D314	RD13ESB2	B IK DET-2 PROT							
D315	RD33ESB2	B DRW							
D30	25C2785	BLK							
D31	25C2785	BLK							
D32	25A1175	DEF SPOT PROT							
D33	25C2785	BLK							
D34	25A1175	BLK							
D35	25C2785	BLK							
D36	V06C	+210V RIPPLE FILTER PBDT							
D37	V19E	100V RIPPLE FILTER PROT							
D38	RD22ESB2	+210V RIPPLE FILTER PBDT							
D39	ISS83	BRT PULSE GEN							
D301	ISS83	B VIDEO OUT PROT							
D303	RD20ESB2	B IK DET-1 PROT							
D304	ISS119	B THERM COMP							
D305	ISS83	B IK DET-2 PROT							
D306	ISS119	B IK DET-2 PROT							
D307	ISS119	B IK DET-2 PROT							
D308	ISS83	B VIDEO OUT PROT							
D309	ISS119	B IK DET-2 PROT							
D310	RD20ESB2	B IK DET-2 PROT							
D311	ISS119	B IK DET-2 PROT							
D312	ISS119	B AUTO BKG SW							
D313	ISS119	B OFF SPOT PROT							
D314	RD13ESB2	B IK DET-2 PROT							
D315	RD33ESB2	B DRW							
D30	25C2785	BLK							
D31	25C2785	BLK							
D32	25A1175	DEF SPOT PROT							
D33	25C2785	BLK							
D34	25A1175	BLK							
D35	25C2785	BLK							
D36	V06C	+210V RIPPLE FILTER PBDT							
D37	V19E	100V RIPPLE FILTER PROT							
D38	RD22ESB2	+210V RIPPLE FILTER PBDT							
D39	ISS83	BRT PULSE GEN							
D301	ISS83	B VIDEO OUT PROT							
D303	RD20ESB2	B IK DET-1 PROT							

**NA** [SIRCS]**NB** [SIRCS]**CA(B)** [VIDEO OUT (B)]**CF-1** [FILTER]**CF-2** [FILTER]

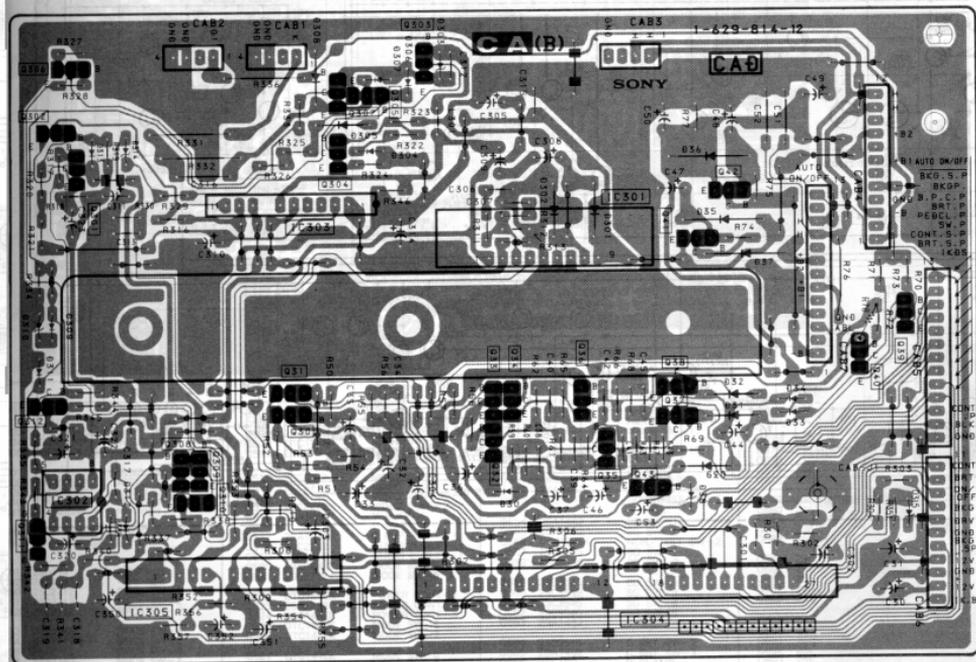
-NA BOARD-

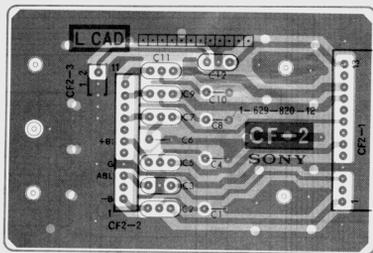


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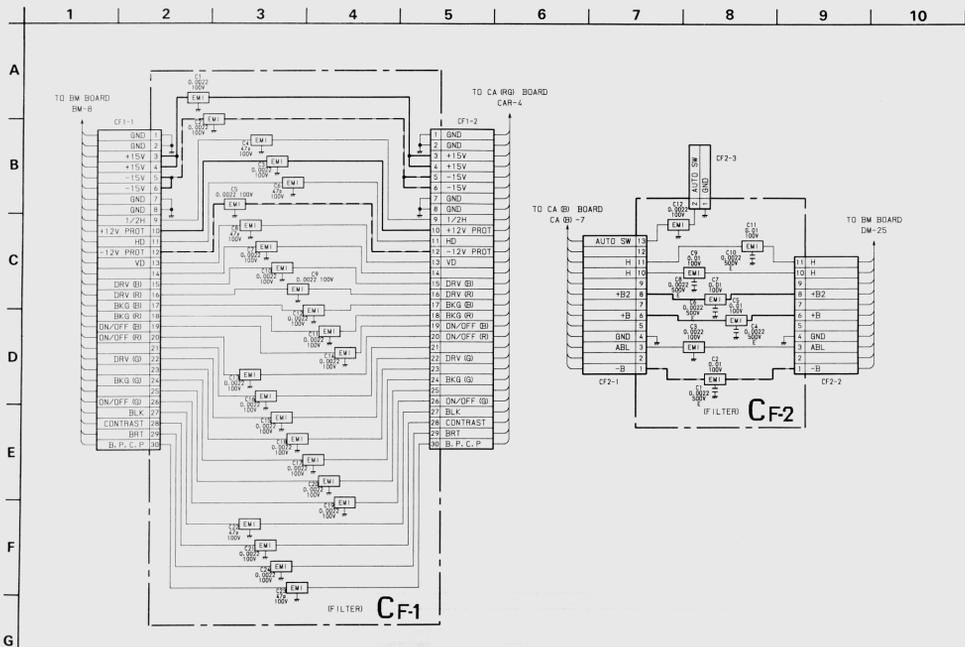


-CA (B) BOARD-

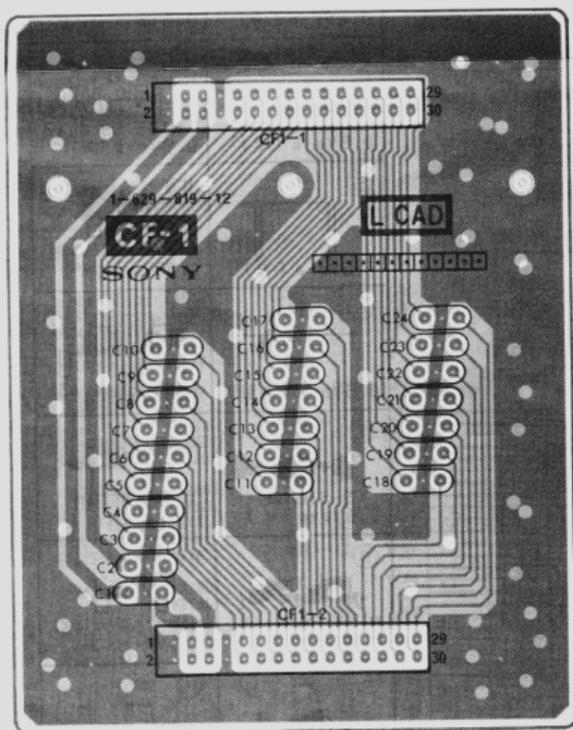




■ : Pattern from the side which enables seeing.  
 ■ : Pattern of the rear side.

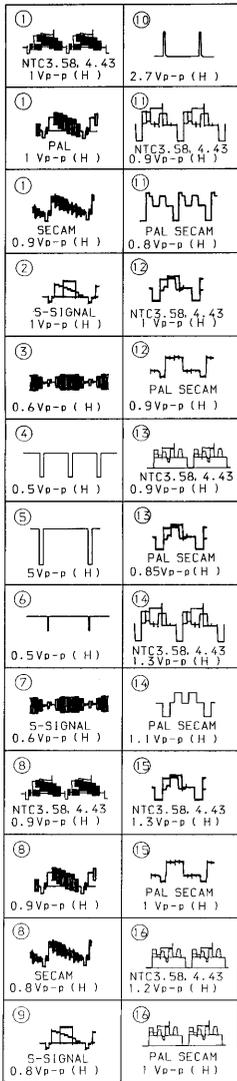


-CF-1 BOARD-



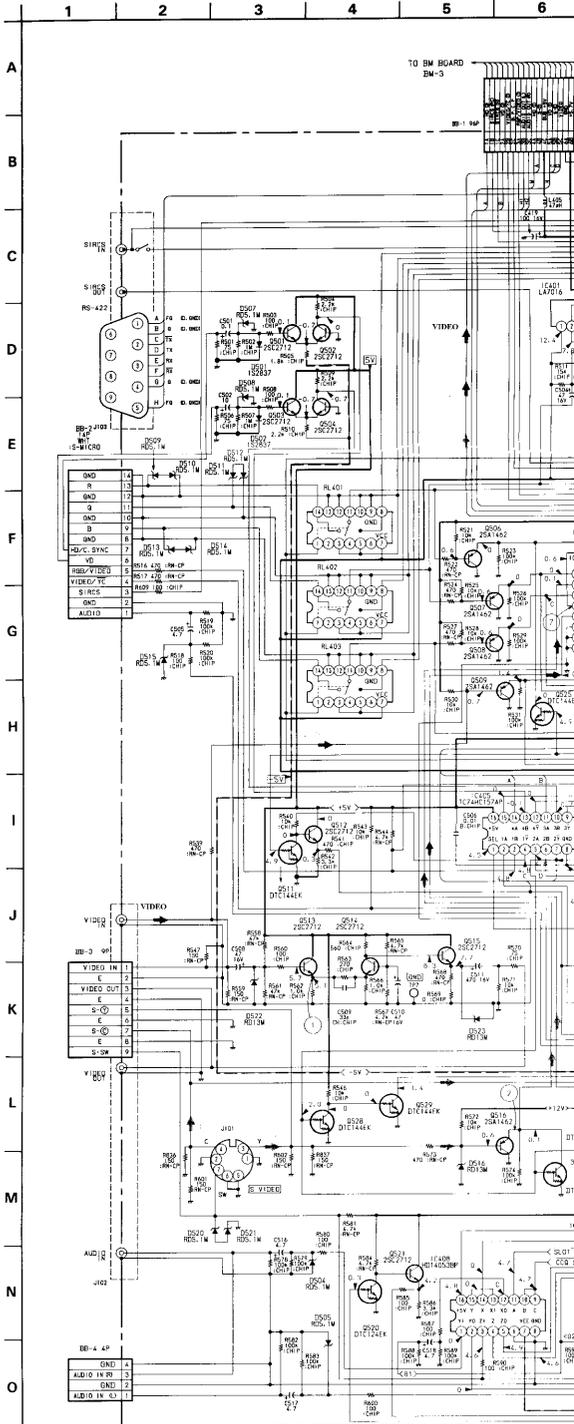
-  : Pattern from the side which enables seeing.
-  : Pattern of the rear side.

• BB BOARD WAVEFORM

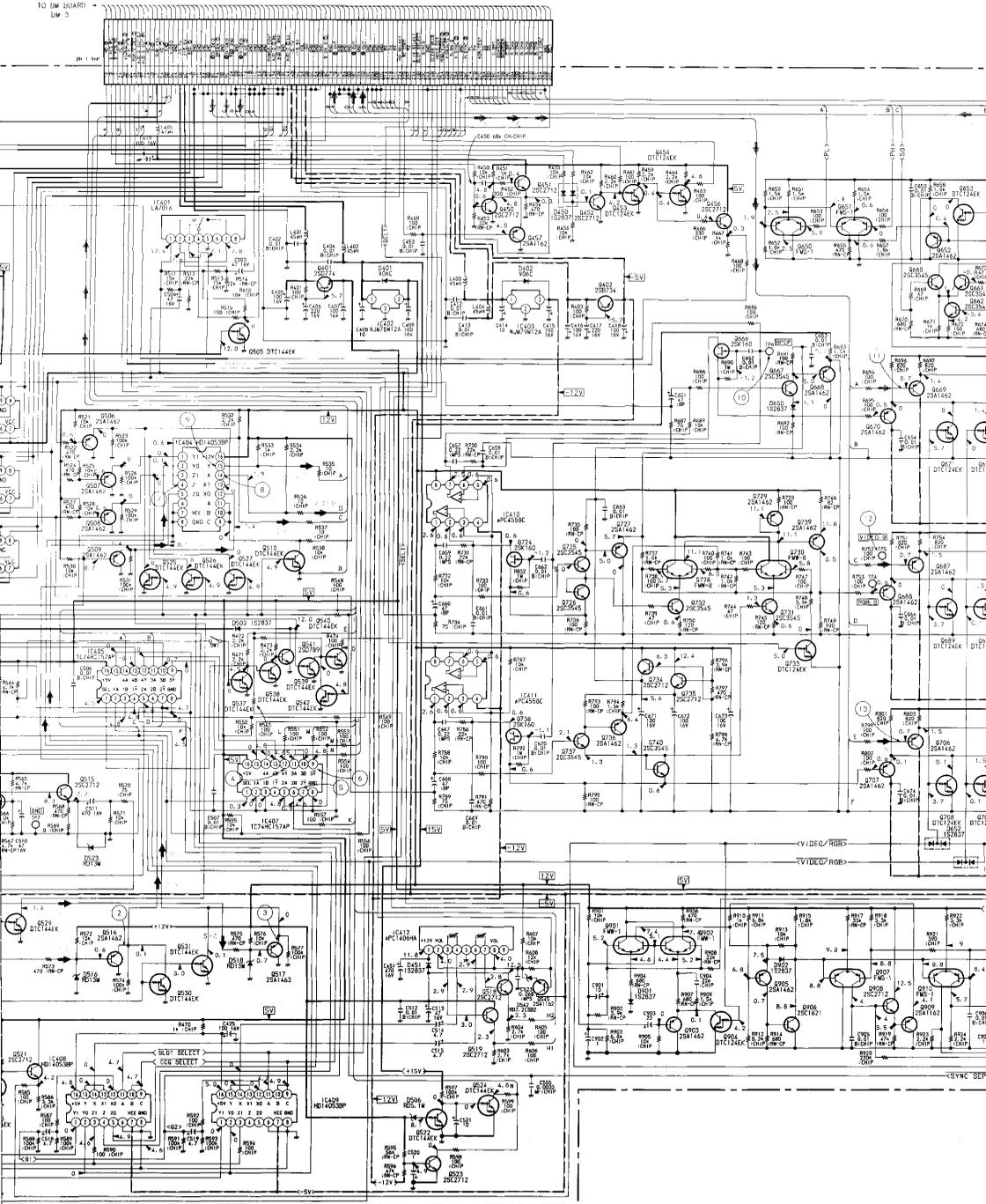


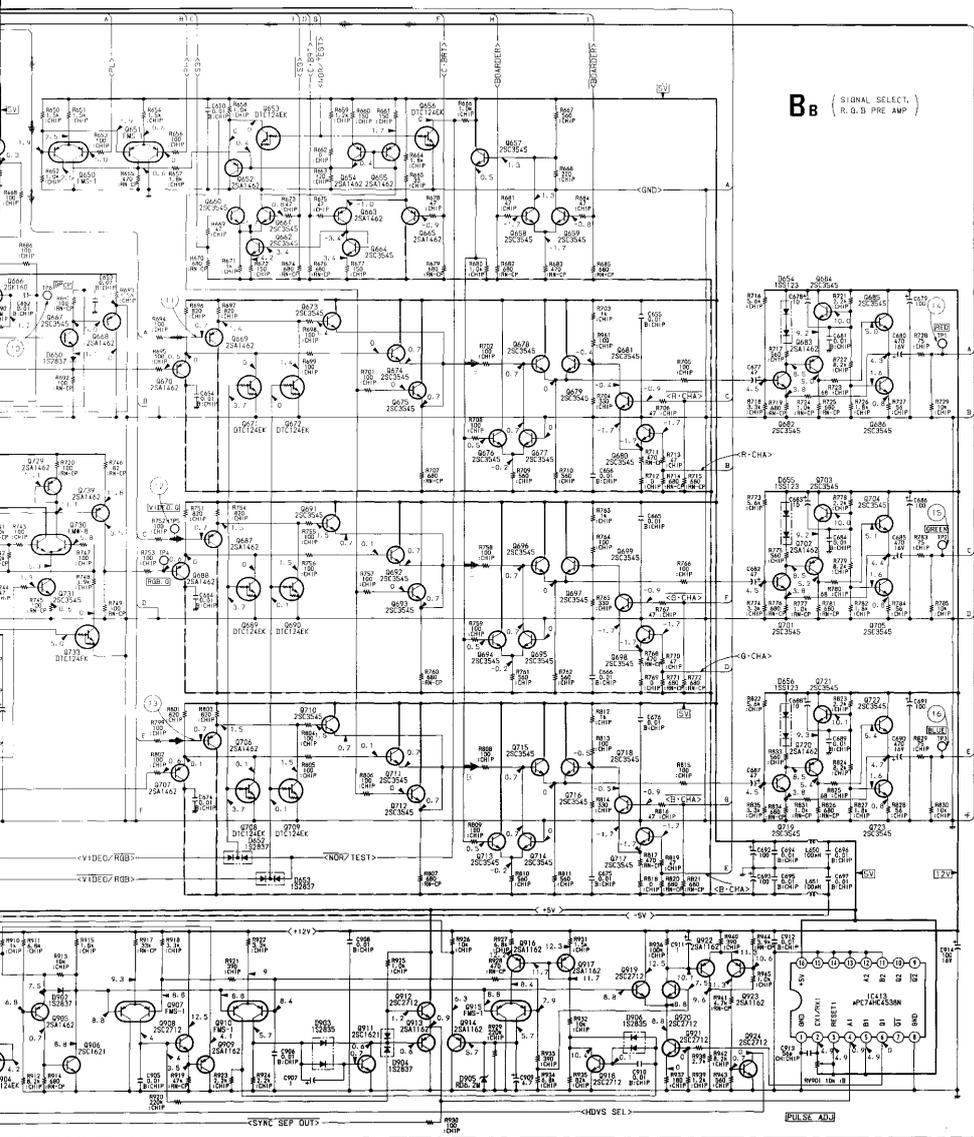
G-NO.	NISG 3.58	PAL	SECAM	NISG 4.43	S-VIDEO
0514	7.4	6.1	6.1	6.1	6.1
0521	5.4	4.9	4.9	4.9	4.9
0455	7.8	4.9	4.9	4.9	4.9
	2.0	4.7	4.7	4.7	4.7
0555					
0556	7.8	5.8	5.2	5.2	4.7
0640	7.8	4.9	4.9	4.9	4.9
	10.4	7.7	7.7	7.7	7.7
	7.8	5.8	5.4	5.2	4.9
0645					
0646	10.9	7.7	7.9	7.9	7.7
	5.3	5.4	5.4	5.4	5.4
0647					
	1.1	2.1	2.0	2.0	2.0
0657					
	10.2	8.5	8.5	8.5	8.5
0726	7.3	1.4	1.4	1.4	1.4
0729	11.5	11.5	11.5	11.5	11.5
0730	5.1	6.1	6.1	6.1	6.1
	5.1	6.1	6.1	6.1	6.1
0732					
	0.6	1.4	1.4	1.4	1.4
	5.2	6.2	6.2	6.2	6.2
0735					
	4.5	6.7	6.7	6.7	6.7
0737					
	5.3	5.7	5.7	5.7	5.7

IC-NO.	PIN-NO.	NISG 3.58	PAL	SECAM	NISG 4.43	S-VIDEO
1645A	0	4.4	4.5	4.9	4.9	4.9
1645B	0	4.4	4.5	4.9	4.9	4.9
1645C	0	4.4	4.5	4.9	4.9	4.9
1645D	0	4.4	4.5	4.9	4.9	4.9
1645E	0	4.4	4.5	4.9	4.9	4.9
1645F	0	4.4	4.5	4.9	4.9	4.9



TO EM BOARD  
EM 5





B6 (SIGNAL SELECT, R.G.B. PRE AMP)

BB

[ SIGNAL SELECT.  
R. G. B PRE AMP ]

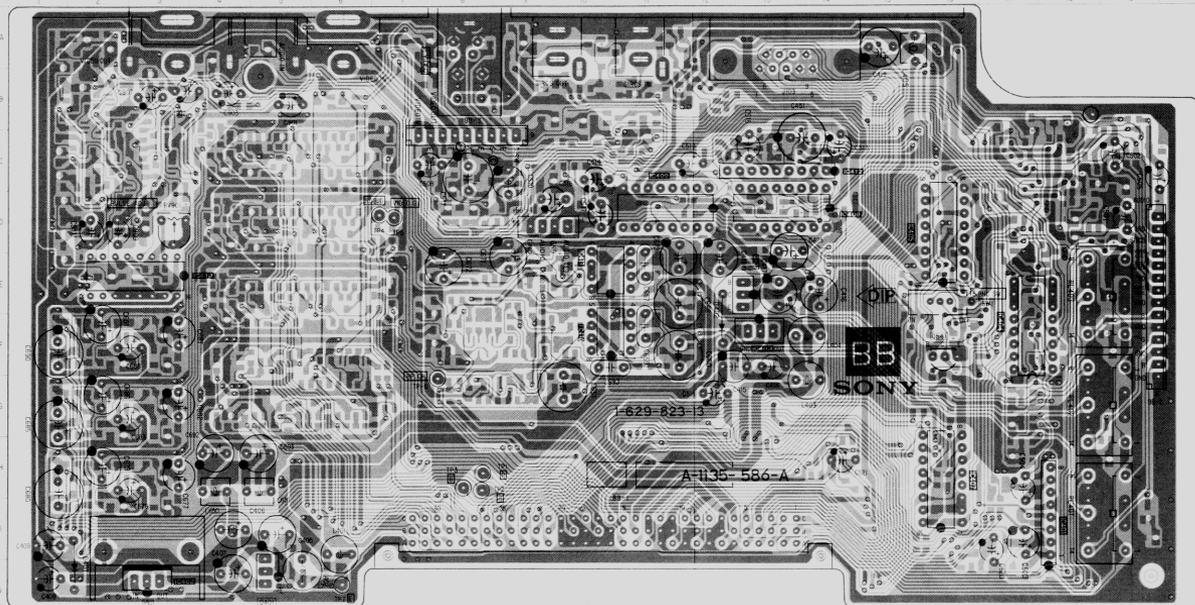
-BB BOARD - (COMPONENT SIDE)

VPH-12700  
RM-1270VPH-12700  
RM-1270

: Pattern from the side which enables seeing.

: Pattern of the rear side.

-BB BOARD



IC401 LA7016 SYNC G SW-1  
IC402 NJM78M12A +12V REG  
IC403 NJM78M12A -12V REG  
IC404 HD14033BP INPUT SW  
IC405 TC74HC157AP SYNC SW-1

IC407 TC74HC157AP SYNC SW-2  
IC408 HD14033BP AUDIO SW-1  
IC409 HD14033BP AUDIO SW-2  
IC410 PC4559C REF GEN-1  
IC411 PC4559C REF GEN-2

IC412 PC14054A AUDIO ATT  
IC413 MC74HC4538M S P GEN

Q401 25C774 -5V REG  
Q402 25B734 -5V REG  
Q403 25C712 SIRCOS SW-1  
Q451 25C712 SIRCOS SW-2  
Q452 25C712 SIRCOS SW-3

Q453 DTC124EK SIRCOS SW-4  
Q454 DTC124EK SIRCOS SW-5  
Q455 25C712 SIRCOS SW-6  
Q457 25A1162 HD SW-1  
Q501 25C712 HD SW-1  
Q502 25C712 HD SW-2  
Q503 25C712 VD SW-1  
Q504 25C712 VD SW-2  
Q505 DTC144EK SYNC G SW-2  
Q506 25A1462 R BUFF-1

Q607 25A1462 G BUFF-1  
Q608 25A1462 B BUFF-1  
Q509 25A1465 VIDEO BUFF-1  
Q610 DTC144EK MODE SW-1  
Q611 DTC144EK MODE SW-2

Q512 25C712 MODE SW-3  
Q613 25C712 VIDEO AMP-1  
Q514 25C712 VIDEO AMP-2  
Q614 25C712 VIDEO BUFF-2  
Q515 25C712 Y BUFF-1  
Q516 25A1462 C BUFF-1

Q517 25A1462 A UDIO R BUFF-1  
Q615 25C712 A UDIO L BUFF-1  
Q519 25C712 MODE SW-4  
Q621 DTC124EK MODE SW-5

Q622 DTC144EK POWER CONT-1  
Q623 25C712 POWER CONT-2  
Q624 DTC144EK POWER CONT-3  
Q625 DTC144EK MODE SW-3  
Q626 DTC144EK MODE SW-7

Q527 DTC144EK MODE SW-8  
Q628 DTC144EK MODE SW-9  
Q529 DTC144EK MODE SW-10  
Q629 DTC144EK MODE SW-11  
Q530 DTC144EK MODE SW-12

Q631 DTC144EK MODE SW-13  
Q632 DTC144EK MODE SW-14

Q539 DTC144EK MODE SW-15  
Q540 DTC124EK MODE SW-16  
Q541 25D789 MODE SW-17

Q542 DTC144EK MODE SW-18  
Q543 25A1162 PL GEN-1  
Q650 FMS1 TEST BUFF-1  
Q544 25A1462 NOR TEST SW-1

Q654 25A1462 SG SW-1  
Q656 25A1462 SG SW-2  
Q657 25C3545 BD SW-1  
Q658 25C3545 BD SW-2

Q659 25C3545 BD SW-3  
Q660 25C3545 SG SW-3  
Q661 25C3545 SG SW-4  
Q662 25C3545 SG SW-5  
Q663 25A1462 S BRT SW-1

Q664 25C3545 C BRT SW-2  
Q665 25A1462 C BRT SW-3  
Q666 25C160 CLAMP  
Q667 25C3545 R BUFF-2  
Q668 25A1462 VIDEO R BUFF-1

Q670 25A1462 R BUFF-4  
Q671 DTC124EK SIG SW-1

Q672 DTC124EK SIG SW-2  
Q673 25C3545 VIDEO R BUFF-2

Q674 25C3545 R BUFF-5  
Q675 25C3545 TEST BUFF-1  
Q676 25C3545 BD SW-5  
Q677 25C3545 R BUFF-6

Q679 25C3545 R CHA BUFF-1  
Q680 25C3545 R CHA SW-1  
Q681 25C3545 R CHA SW-2  
Q682 25C3545 R AMP-1  
Q683 25A1462 R AMP-2

Q684 25C3545 R AMP-3  
Q685 25C3545 R AMP-4  
Q686 25C3545 R AMP-5  
Q687 25A1462 VIDEO C BUFF-1  
Q688 25A1462 G BUFF-2

Q689 DTC124EK SIG SW-3  
Q690 DTC124EK SIG SW-4  
Q691 25C3545 VIDEO G BUFF-2  
Q692 25C3545 G BUFF-3  
Q693 25C3545 TEST BUFF-2

Q694 25C3545 BD SW-6  
Q695 25C3545 BD SW-7  
Q696 25C3545 G BUFF-4  
Q697 25C3545 G CHA BUFF-1  
Q698 25C3545 G CHA SW-1

Q699 25C3545 G CHA SW-2  
Q701 25C3545 G AMP-1  
Q702 25A1462 G AMP-2  
Q703 25C3545 G AMP-3  
Q704 25C3545 G AMP-4

Q705 25C3545 G AMP-5  
Q706 25A1462 B BUFF-2  
Q707 25A1462 B BUFF-3  
Q708 DTC124EK SIG SW-6  
Q709 DTC124EK SIG SW-8

Q710 25C3545 VIDEO B BUFF-2  
Q711 25C3545 B BUFF-3  
Q712 25C3545 TEST BUFF-3  
Q713 25C3545 BD SW-8  
Q714 25C3545 BD SW-9

Q715 25C3545 B BUFF-4  
Q716 25C3545 B CHA BUFF-1  
Q717 25C3545 B CHA SW-1  
Q718 25C3545 B CHA SW-2  
Q719 25C3545 B AMP-1

Q720 25A1462 B AMP-2  
Q721 25C3545 B AMP-3  
Q722 25C3545 B AMP-4  
Q723 25C3545 G CLAMP  
Q724 25K160

Q725 25C3545 G BUFF-5  
Q726 25C3545 LEVEL SHFT-1  
Q727 25A1462 G BUFF-6

Q728 FMW-8 CB SW-1  
Q729 25A1462 C B SW-2

Q730 FMW-8 C B SW-3  
Q731 25C3545 C B SW-4  
Q732 25C3545 C B SW-5  
Q733 DTC124EK CB ON/OFF SW-1  
Q734 25C712 CB REF BUFF-2  
Q735 25C712 B BUFF-5  
Q736 25A1462 SIG SW-6  
Q737 25C3545 B BUFF-6  
Q738 25K160 B CLAMP  
Q739 25A1462 B BUFF-7

Q740 25C3545 LEVEL SHFT  
Q801 FMS1 S ON G AMP-1  
Q802 FMS1 S ON G AMP-2  
Q803 25A1462 S ON G BUFF-1  
Q804 DTC124EK V/R GB SW

Q905 25A1462 S ON G AMP-3  
Q906 25A1621 S ON G AMP-4  
Q907 FMS1 S ON G SYNC SEP-1  
Q908 25C712 S ON G SYNC SEP-2  
Q909 25A1162 S ON G SYNC SEP-3

Q910 FMS1 S ON G SYNC SEP-4  
Q911 25C1621 S ON G SYNC SEP-5  
Q912 25C712 SYNC BUFF-1  
Q913 25A1162 SYNC BUFF-2  
Q914 25A1162 S ON G AMP-5

Q915 FMS1 S ON G AMP-6  
Q916 25A1162 S ON G AMP-7  
Q917 25A1162 S ON G AMP-8  
Q918 25C712 S ON G AMP-9  
Q919 25C712 TS DET-1

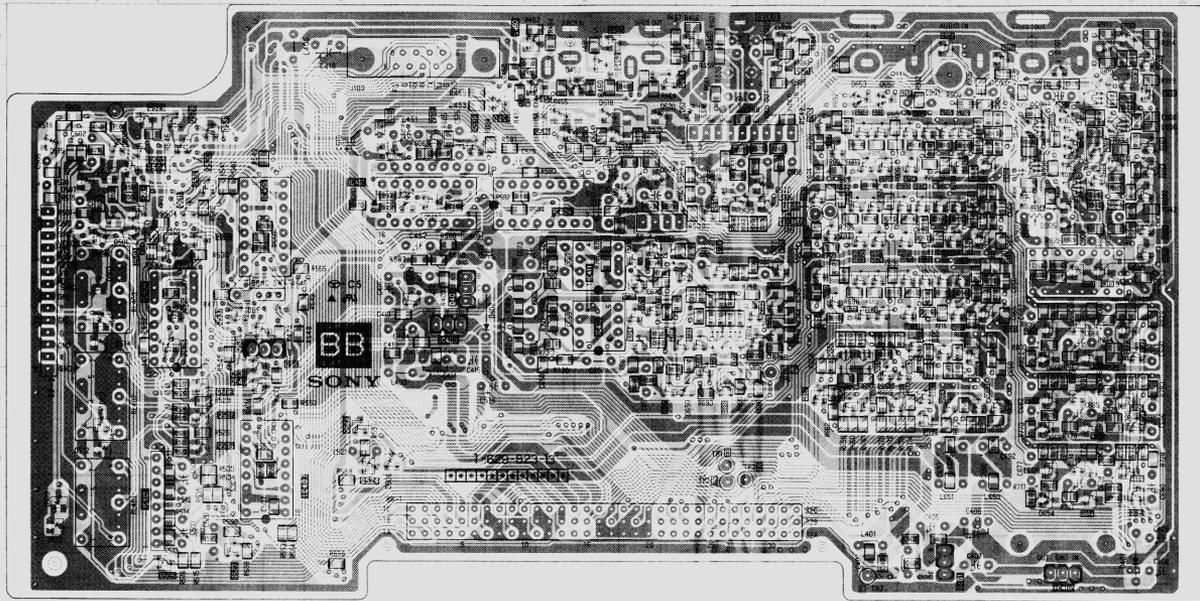
Q920 25C712 TS DET-2  
Q921 25C712 TS DET-3  
Q922 25A1162 TS DET-4  
Q923 25A1162 TS DET-5  
Q924 25C712 TS DET-6

D401 V08C +12V PROT  
D402 V08C -12V PROT  
D450 152837 SIRCOS OR AUDIO PROT-1  
D451 152837 SIRCOS OR AUDIO PROT-2  
D452 RD5.2582 S ON G BUFF-1  
D501 152837 HD CLAMP

D502 152837 VD CLAMP  
D503 152837 MODE SW-1  
D504 RD5.1M-1182 AUDIO PROT-2  
D505 RD5.1M-1182 AUDIO PROT-3  
D506 RD5.1M-1182 POW CONT

D507 RD5.1M-1182 HD PROT  
D508 RD5.1M-1182 VD PROT  
D509 RD5.1M-1182 R PROT-1  
D510 RD5.1M-1182 R PROT-2  
D511 RD5.1M-1182 R PROT-1

-BB BOARD- (CONDUCTOR SIDE)



6	FMS1	S ON G AMP-6	D512	R05.1M-T182	G PROT-2
7	SA1182	S ON G AMP-7	D513	R05.1M-T182	B PROT-1
8	SA1182	S ON G AMP-8	D514	R05.1M-T182	B PROT-2
9	SC2712	S ON G AMP-9	D515	R05.1M-T182	AUDIO PROT-4
0	SC2712	TS DET-1	D516	R013M-T182	Y PROT
1	SC2712	TS DET-2	D518	R013M-T182	C PROT
2	SC2712	TS DET-3	D520	R05.1M-T182	S SW PROT-1
3	SC2712	TS DET-4	D521	R05.1M-T182	S SW PROT-2
4	SC2712	TS DET-5	D522	R013M-T182	VIDEO PROT-1
5	SC2712	TS DET-6	D523	R013M-T182	VIDEO PROT-2
6	V09C	+12V PROT	D650	1S2937	LEVEL SHFT
7	1S2937	-12V PROT	D652	1S2937	MODE SW-2
8	1S2937	SRC'S OR	D653	1S2937	MODE SW-3
9	1S2937	AUDIO PROT-1	D654	1S3123	R BIAS
0	RZ2E5B2	C BIAS	D655	1S3123	R BIAS
1	1S2937	HD CLAMP	D656	1S3123	B BIAS
2	1S2937	MODE SW-1	D901	1S2937	S ON G AMP-1
3	1S2937	MODE SW-2	D902	1S2937	S ON G AMP-2
4	R05.1M-T182	AUDIO PROT-2	D903	1S2935	S ON G AMP-3
5	R05.1M-T182	AUDIO PROT-3	D904	1S2937	S ON G AMP-4
6	R05.1M-T182	HD PROT	D905	R06.2M-1181	S ON G AMP-5
7	R05.1M-T182	VD PROT	D906	1S2935	S ON G AMP-6
8	R05.1M-T182	R PROT-1			
9	R05.1M-T182	R PROT-2			
0	R05.1M-T182	G PROT-1			

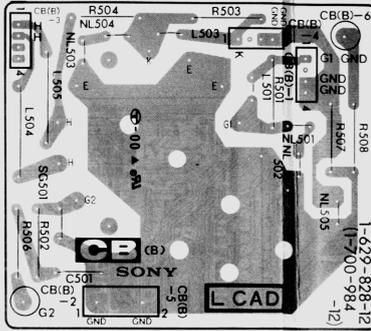
BB Board

IC	Q450	A-9	Q514	D-12	Q539	F-5	Q666	G-12	Q686	H-19	Q707	C-14	Q727	F-11	Q907	B-18	RV	D509	I-1	
IC401	J-2	Q451	B-9	Q515	C-12	Q667	G-11	Q687	C-11	Q708	C-15	Q728	F-12	Q908	B-19	RV901	D-17	D510	I-1	
IC402	J-18	Q452	A-10	Q516	C-10	Q668	G-12	Q688	D-14	Q709	C-15	Q729	F-13	Q909	B-19			D511	G-2	
IC403	F-8	Q453	A-10	Q517	C-11	Q669	E-7	Q689	D-13	Q710	C-15	Q730	F-13	Q910	B-18			D512	H-2	
IC404	F-8	Q454	B-11	Q518	C-8	Q670	E-14	Q690	D-13	Q711	C-15	Q731	F-13	Q911	C-18			D513	F-2	
IC405	E-3	Q456	A-12	Q519	C-7	Q671	F-15	Q691	D-13	Q712	C-15	Q732	F-12	Q912	D-17			D514	F-2	
IC405	D-3	Q457	B-9	Q520	A-13	Q672	F-15	Q692	D-13	Q713	C-15	Q733	F-13	Q913	C-18			D515	G-1	
IC407	H-5	Q501	D-3	Q521	B-13	Q673	E-15	Q693	D-13	Q714	C-15	Q734	E-12	Q914	D-18			D516	B-10	
IC408	D-8	Q502	D-3	Q522	G-6	Q674	E-15	Q694	D-16	Q715	C-15	Q735	E-13	Q915	D-18			D518	B-10	
IC409	D-9	Q503	C-3	Q523	J-4	Q675	E-15	Q695	D-13	Q716	C-16	Q736	E-12	Q916	C-18			D520	B-11	
IC410	F-10	Q504	C-3	Q524	H-6	Q676	E-16	Q696	D-16	Q717	C-17	Q737	E-11	Q917	C-19			D521	B-12	
IC411	E-10	Q505	J-3	Q525	F-3	Q676	G-15	Q697	D-16	Q718	C-16	Q738	E-11	Q918	C-18			D519	D-7	
IC412	D-7	Q506	H-4	Q528	F-3	Q678	E-16	Q698	D-17	Q719	F-18	Q740	E-13	Q919	E-19			D501	D-2	
IC413	E-19	Q507	G-4	Q527	D-2	Q679	E-16	Q699	D-16	Q720	F-18	Q739	E-11	Q920	E-19			D502	C-2	
		Q508	G-4	Q526	B-3	Q680	F-17	Q701	G-18	Q721	F-18	Q741	B-17	Q921	E-18			D503	E-2	
		Q509	E-3	Q529	B-3	Q680	G-15	Q681	D-16	Q702	G-18	Q722	F-19	Q902	D-19			D504	C-11	
		Q510	D-4	Q530	C-3	Q681	G-16	Q682	H-18	Q703	G-18	Q723	F-19	Q903	A-17			D505	D-11	
		Q511	D-3	Q531	C-4	Q682	G-16	Q683	H-18	Q704	G-19	Q724	F-11	Q904	A-16			D506	H-7	
Q401	J-16	Q512	C-4	Q537	F-4	Q683	G-17	Q684	I-18	Q705	G-19	Q725	F-11	Q905	A-19			D507	C-2	
Q402	E-8	Q513	D-13	Q538	F-5	Q684	G-16	Q685	I-19	Q706	B-14	Q726	F-12	Q906	A-19			D508	C-2	
						Q685	G-17													

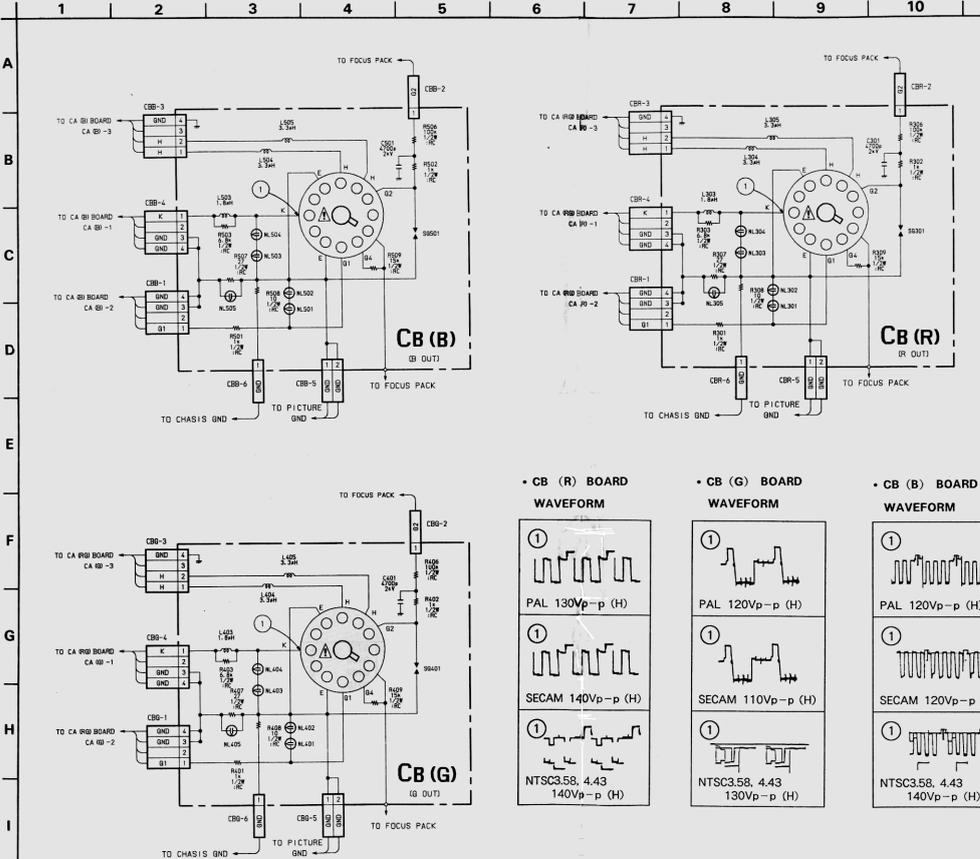
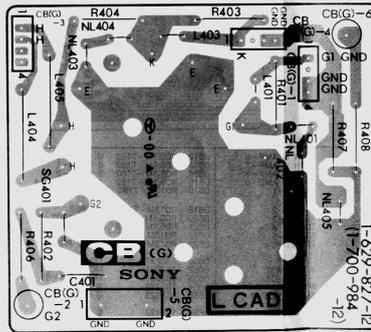
TRANSISTOR

Q401	J-16
Q402	E-8

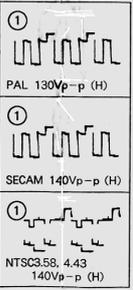
-CB (B) BOARD-



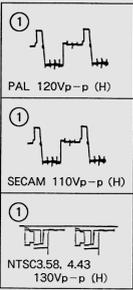
-CB (G) BOARD-



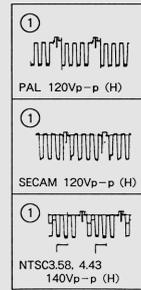
• CB (R) BOARD  
WAVEFORM



• CB (G) BOARD  
WAVEFORM



• CB (B) BOARD  
WAVEFORM



**CB (B)** [B OUT]

**CB (G)** [G OUT]

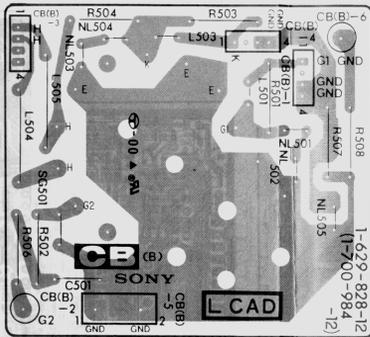
**CB (R)** [R OUT]

**X**

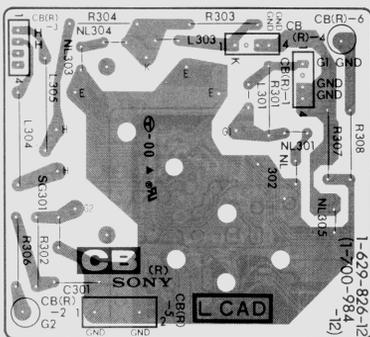
VPH-1270Q  
RM-1270

VPH-1270Q  
RM-1270

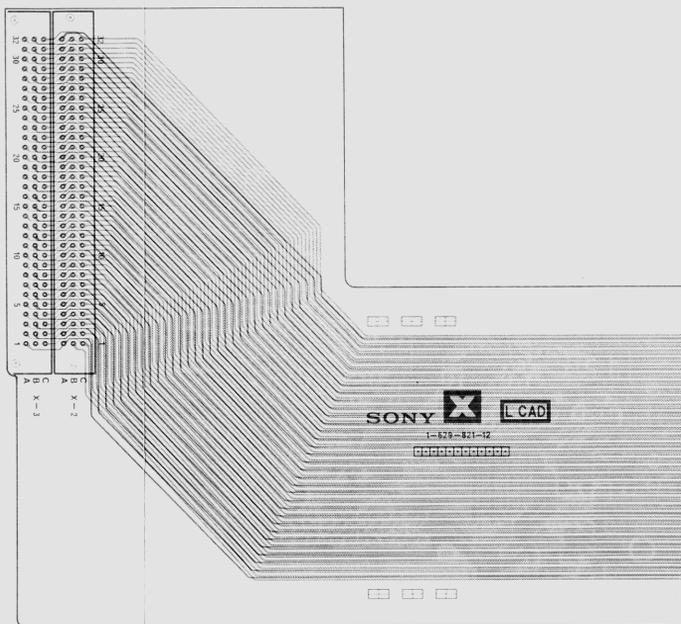
-CB (B) BOARD-



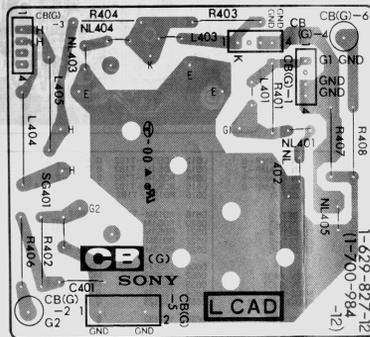
-CB (R) BOARD-



-X BOARD-



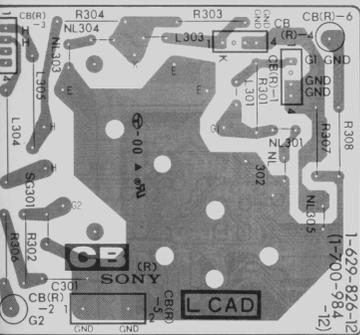
-CB (G) BOARD-



: Pattern from the side which enables seeing.  
 : Pattern of the rear side.

**(R)** [R OUT] **X**

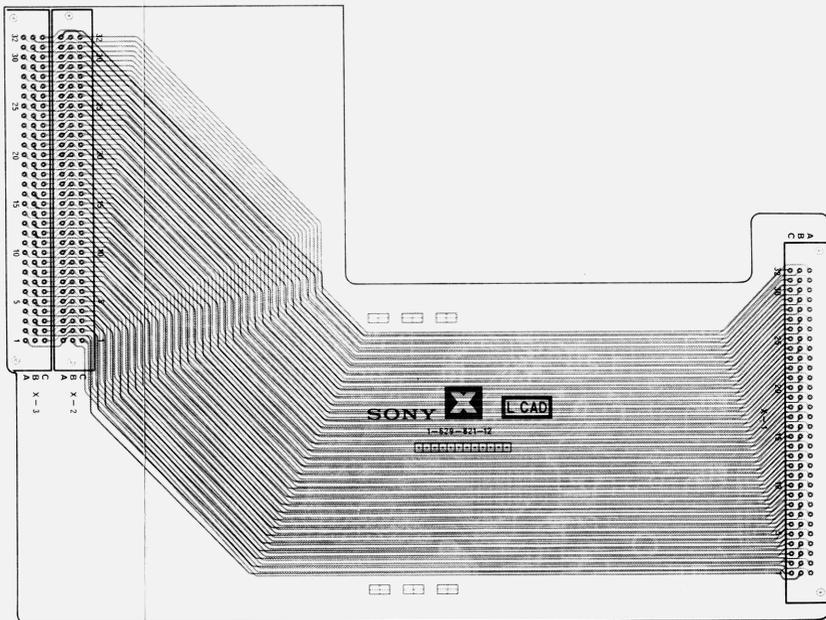
CB (R) BOARD-



VPH-1270Q  
RM-1270

VPH-1270Q  
RM-1270

-X BOARD-



■ : Pattern from the side which enables seeing.

■ : Pattern of the rear side.

7-6. SEMICONDUCTORS

CXA1216P  
#BM27CS12-25  
10A4555-V8



HD10124  
HD14052BP  
HD14053BFP  
HD14538BFP  
HD14539BFP  
#14572UBCP  
#184051K  
#C74HC4538N  
SN74S124N  
TS4040BP  
TC4053BP

SN74HC244NS  
TC74HC244P



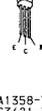
TC74HC123F



0TA124EK  
0TC114EK  
0TC124EK  
0TC144EK  
2SA1462  
2SC1162-YG  
2SC1621  
2SC2712  
2SC2859-Y  
2SC3545



0TA124ES  
0TC114ES  
0TC124ES  
0TC144ES



2SA1175  
2SC2785



2SA1208  
2SC2910



2SA1358-Y  
2SC3421-Y



2SB733  
SB734  
2SB734-34  
2SB774-34



2SB798



2SB861  
2SC3150  
2SC3675  
2SB1138  
2SB982



2SA1428Y



2SA1441



2SC2555



2SC4053S



2SC248B-LK  
2SB882



2SC3042  
2SK827



2SC3209LLK



2SC3668-Y



2SC3998



2SK523-L1  
2SK523-M1



2SD1403



2SD1548



2SD789-4



2SK160-K6



2SK422



2SK509R



2SK755



2SK817



2SK929



ERA22-06  
ERB43-08  
ERC34-06  
15S83  
10E-1



ERC06-155A  
GH-3F  
U056  
V09G  
V11N



ERC88-009



ERC91-02  
RU-1C



ER029-08J  
ER033-02



CXK5814P-45L



CXK5864BM-12L



CXZ3065A  
LA7016



CX-7916  
LM6364N  
RC455BP  
TL082CP  
#PC318C  
#PC358C  
#PC385C  
#B14C  
#PCB14G2-1



#C1495L  
TC74HC00P  
#PC1394C



#PC1241H



#C74F00M  
SN74HC107NS  
TC74HC00F



MSF78M12  
RC7812FA



NJM79L12A



#PC39802  
#PC45802



#PC7912H



2SA1156  
2SA1381  
2SA1407  
2SB882



FMS1  
FMS2  
FMWS



FMW1  
FMW2



TMX2

ESA839-06



FMG-24R



FMG-24S  
FML-22S



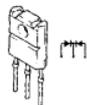
FML-22R



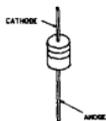
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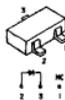
FML-32S



RD10E5-B2  
RD12E5-B3  
RD13E5-B2  
RD15E5-B2  
RD18E5-B1  
RD2.0E5-B2  
RD20E5-B2  
RD3.3E5-B2  
RD39E5-B1  
RD39E5-B2  
RD5.1E5-B1  
RD5.1B5-B2  
RD5.6E5-B2  
RD6.2E5-B2  
RD6.8E5-B2  
RD8.2E5-B2  
1S5119  
1S5120



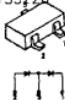
RD10M-B2  
RD12M-B2  
RD13M-B2  
RD3.3M-B1  
RD3.6-B1  
RD3.6M-B1  
RD5.1M-B2  
RD6.2M-B1  
1S5193



S15VB60



1S522A



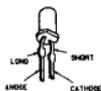
1S2836



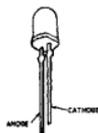
11EQS04



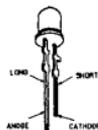
GL-3EGB  
SLP2816B  
TLR123



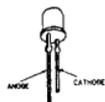
5E303AY



SLH-34MC3



SLP-34MC3



SLP144B



TLR214

