

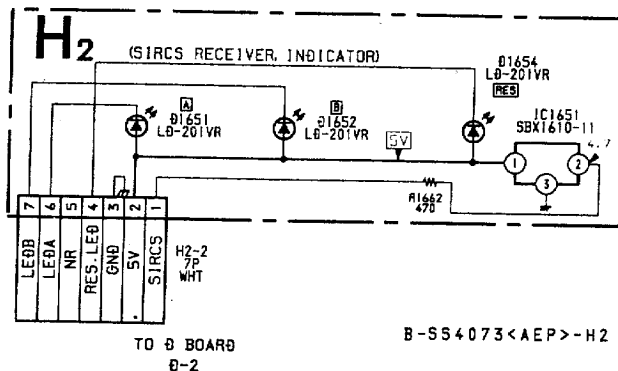
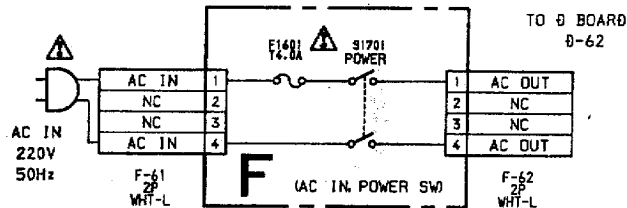
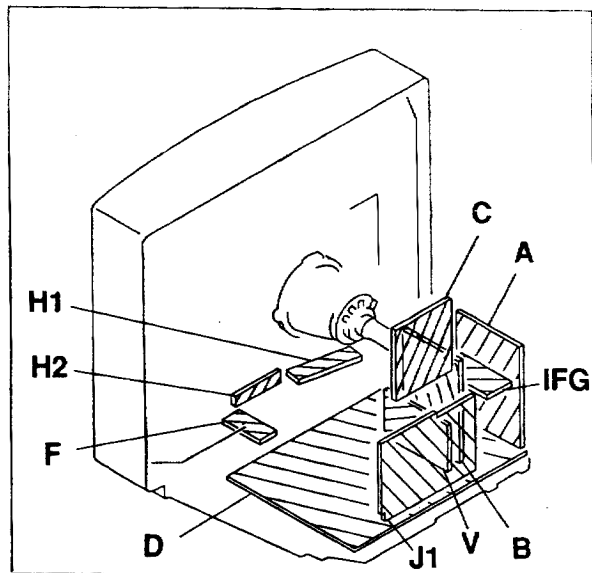
SONY

KV-X2151K

RM-816

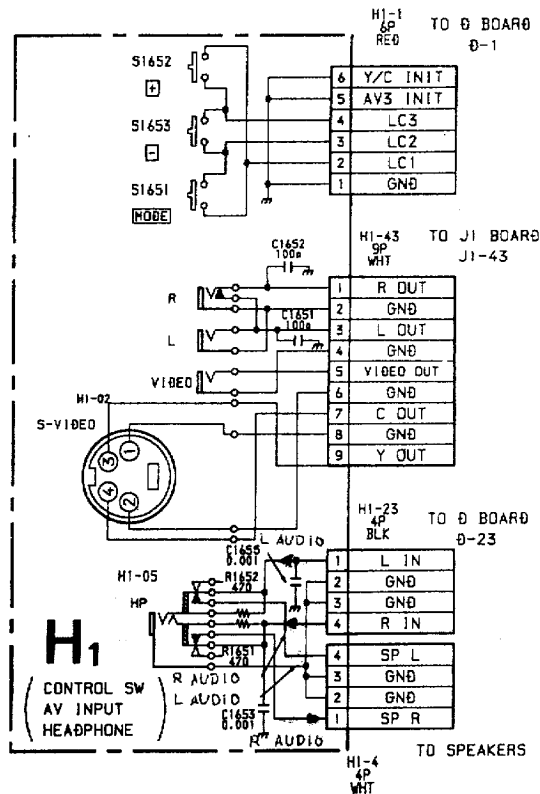
AE-1C CHASSIS

CIRCUIT BOARDS LOCATION

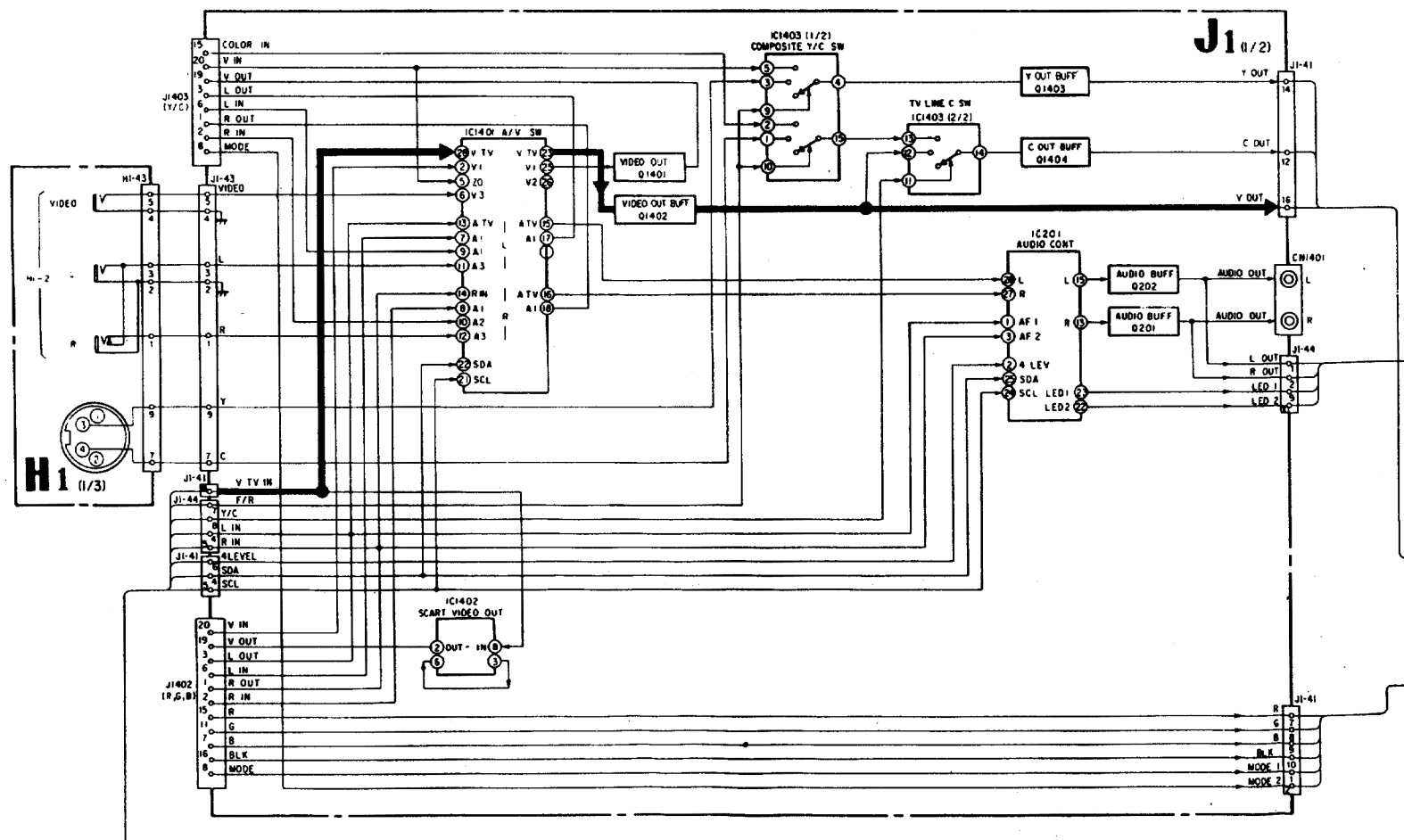
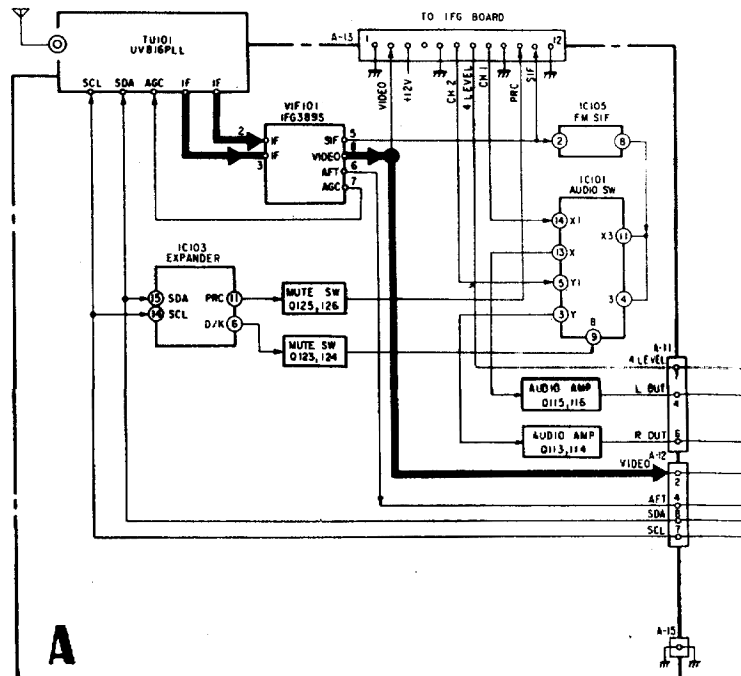
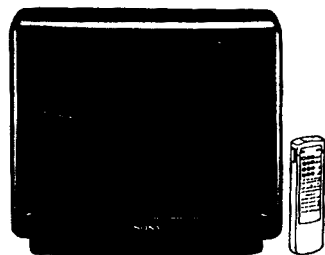
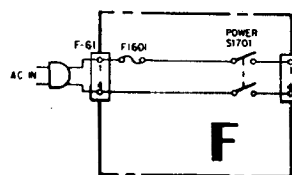


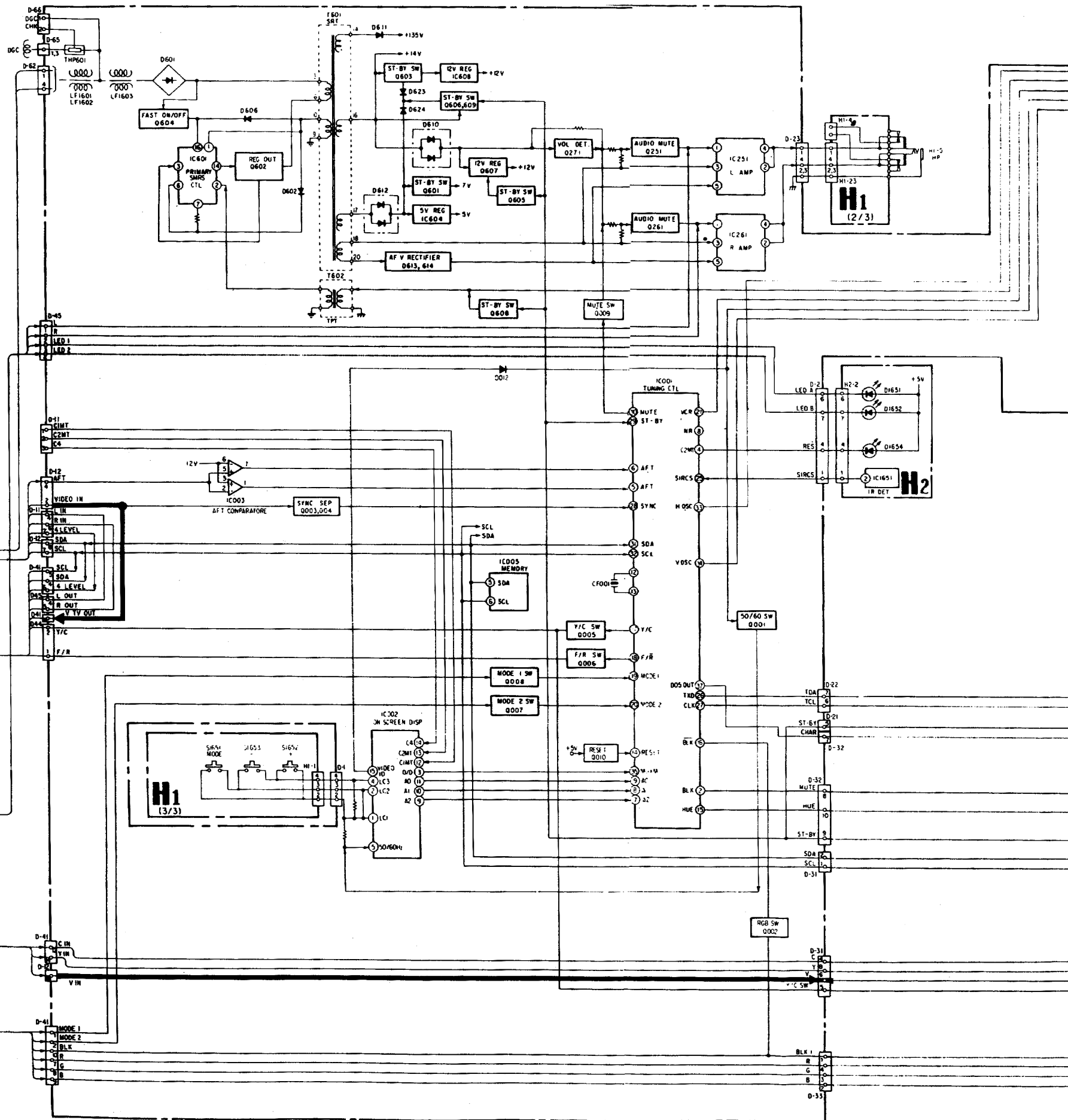
— H2 Board —

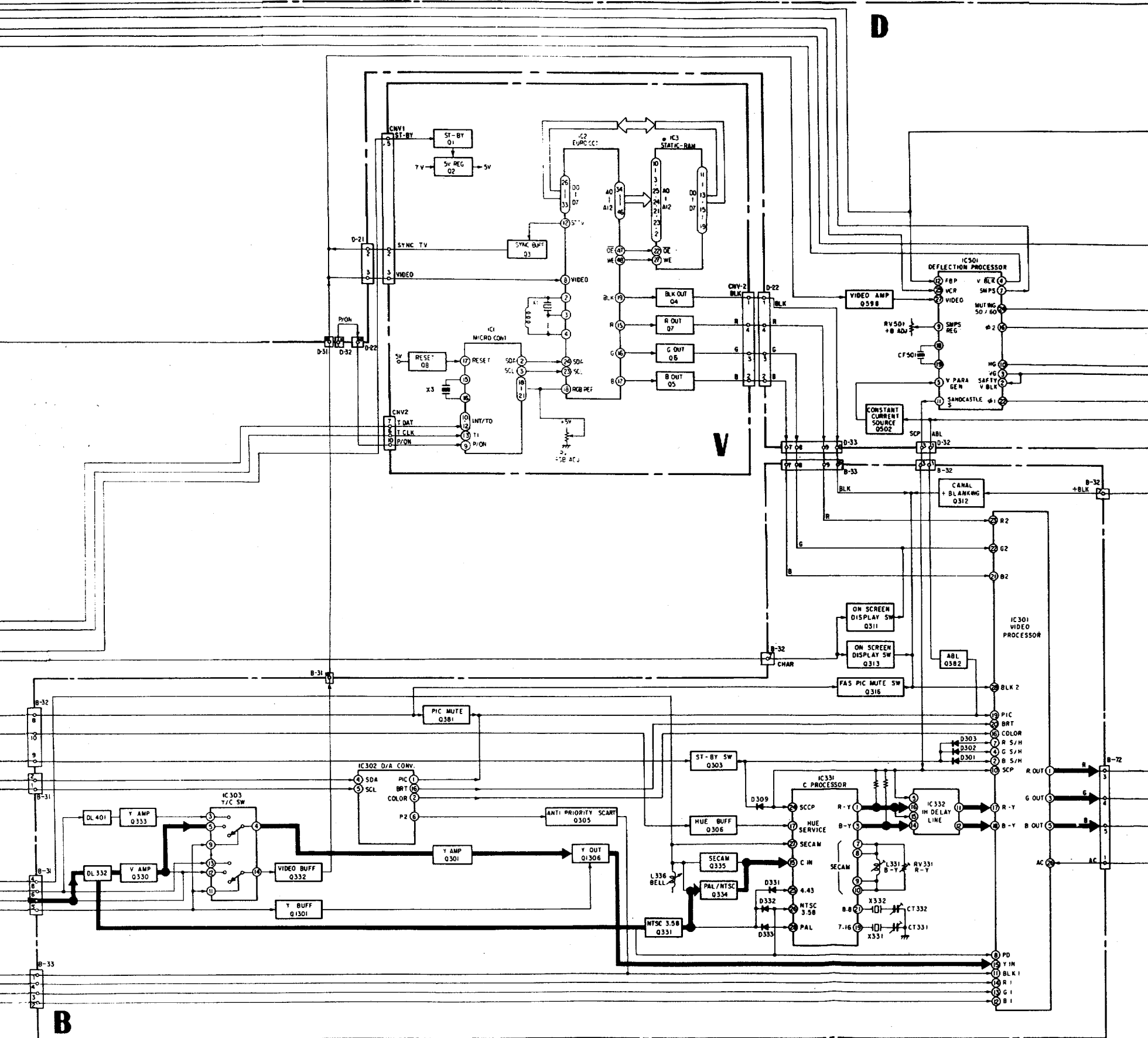
IC1651	SBX1610-11	INFRARED RECIVER
Ø1651	LØ-201VR	AUDIO CHANNEL A INDICATOR
Ø1652	LØ-201VR	AUDIO CHANNEL B INDICATOR
Ø1654	LØ-201VR	RESET INDICATOR

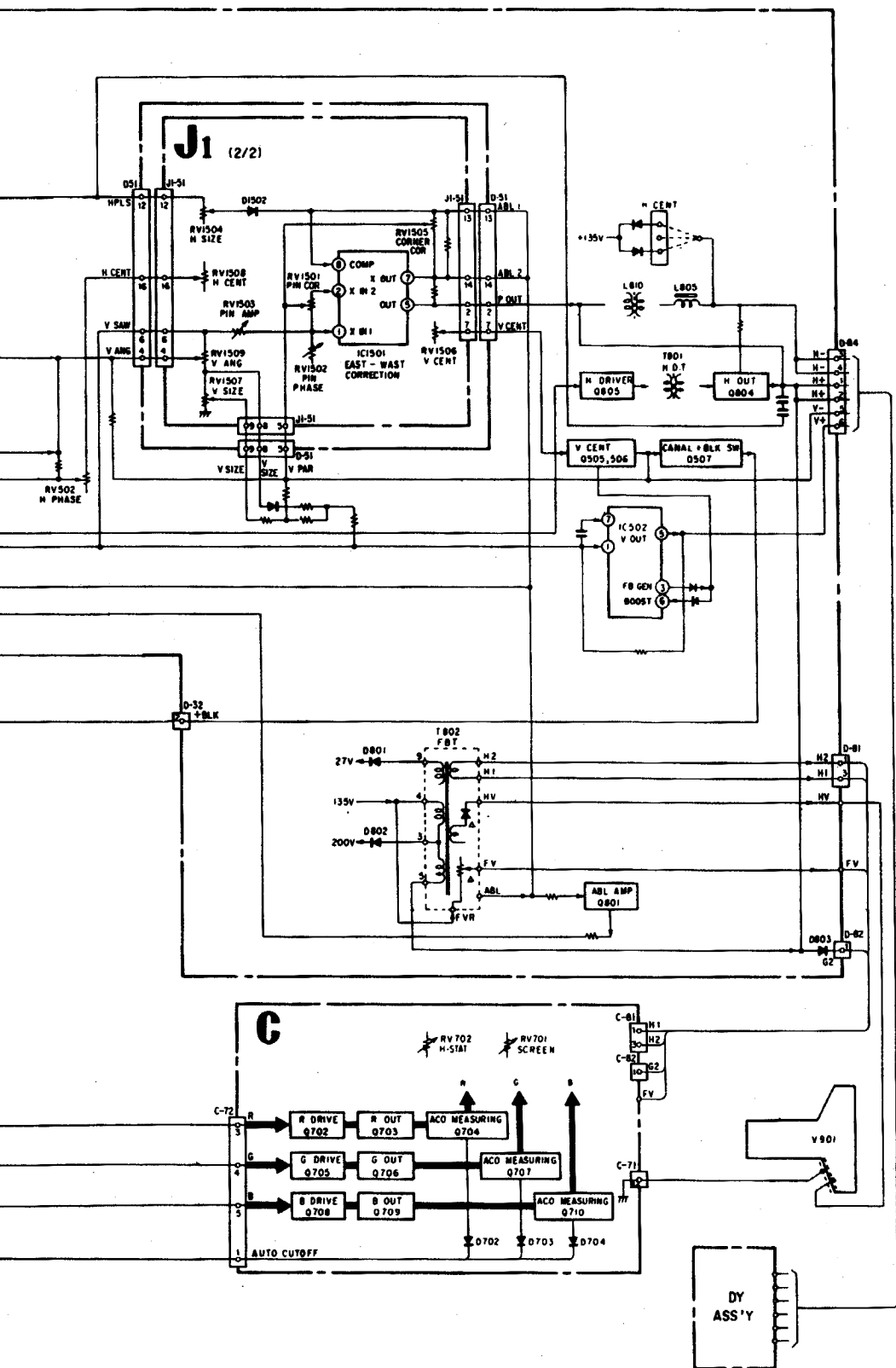


BLOCK DIAGRAM

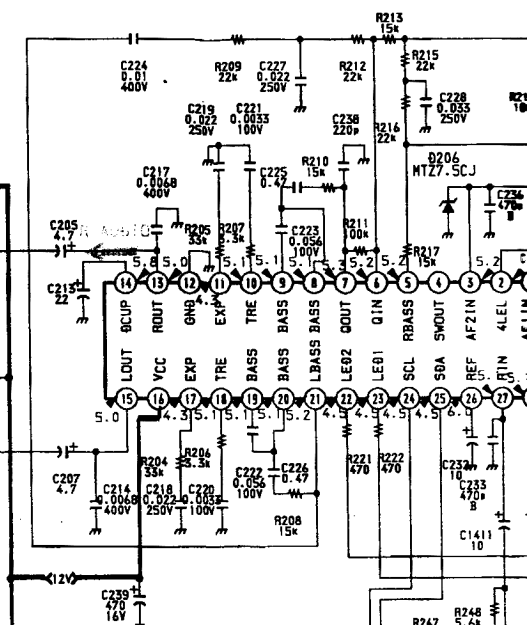
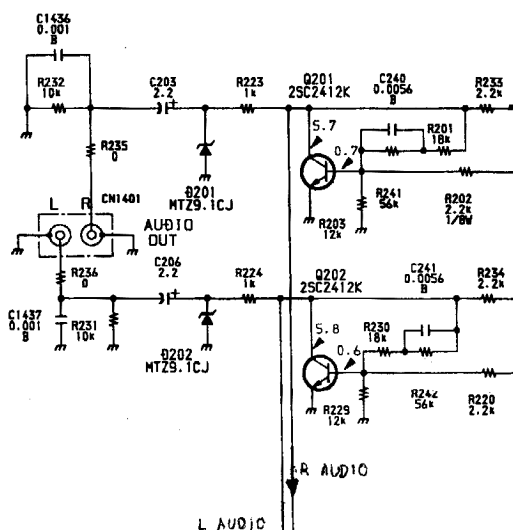




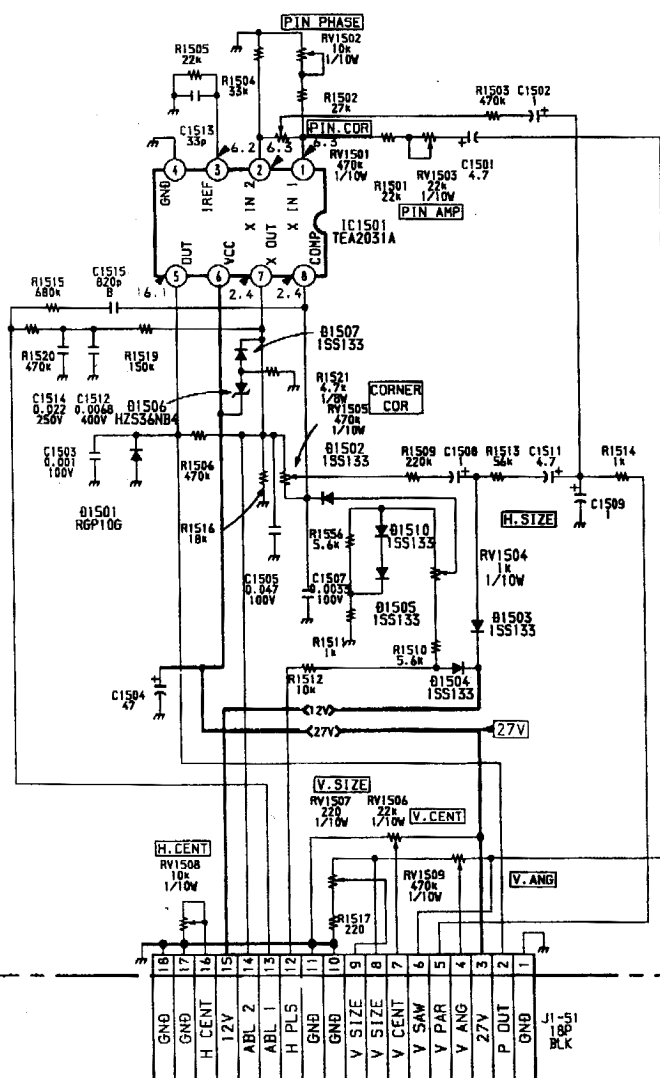
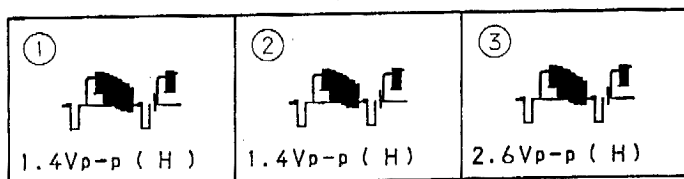




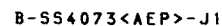
(AUDIO CONTROL
AV INPUT, Y/C INPUT.
SCART VIDEO OUT.
EAST-WEST CORRECTION)

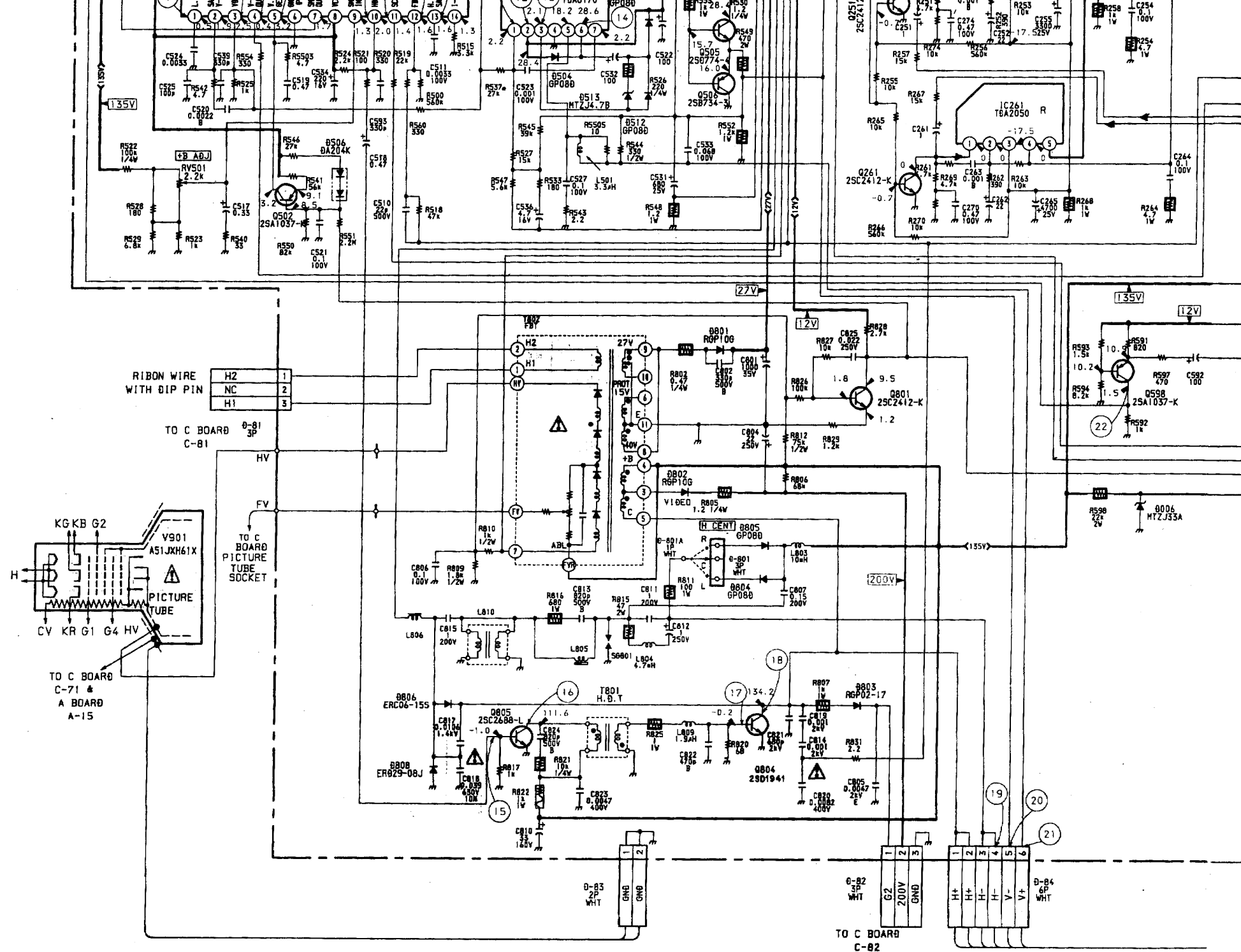


— J1 Board —

[illegible]

TO THE BOARD
D-51





D-18
2P
BLK

TO J1 BOARD
J1-44

TO H2 BOARD
H2-2

0-2
2P
VHT

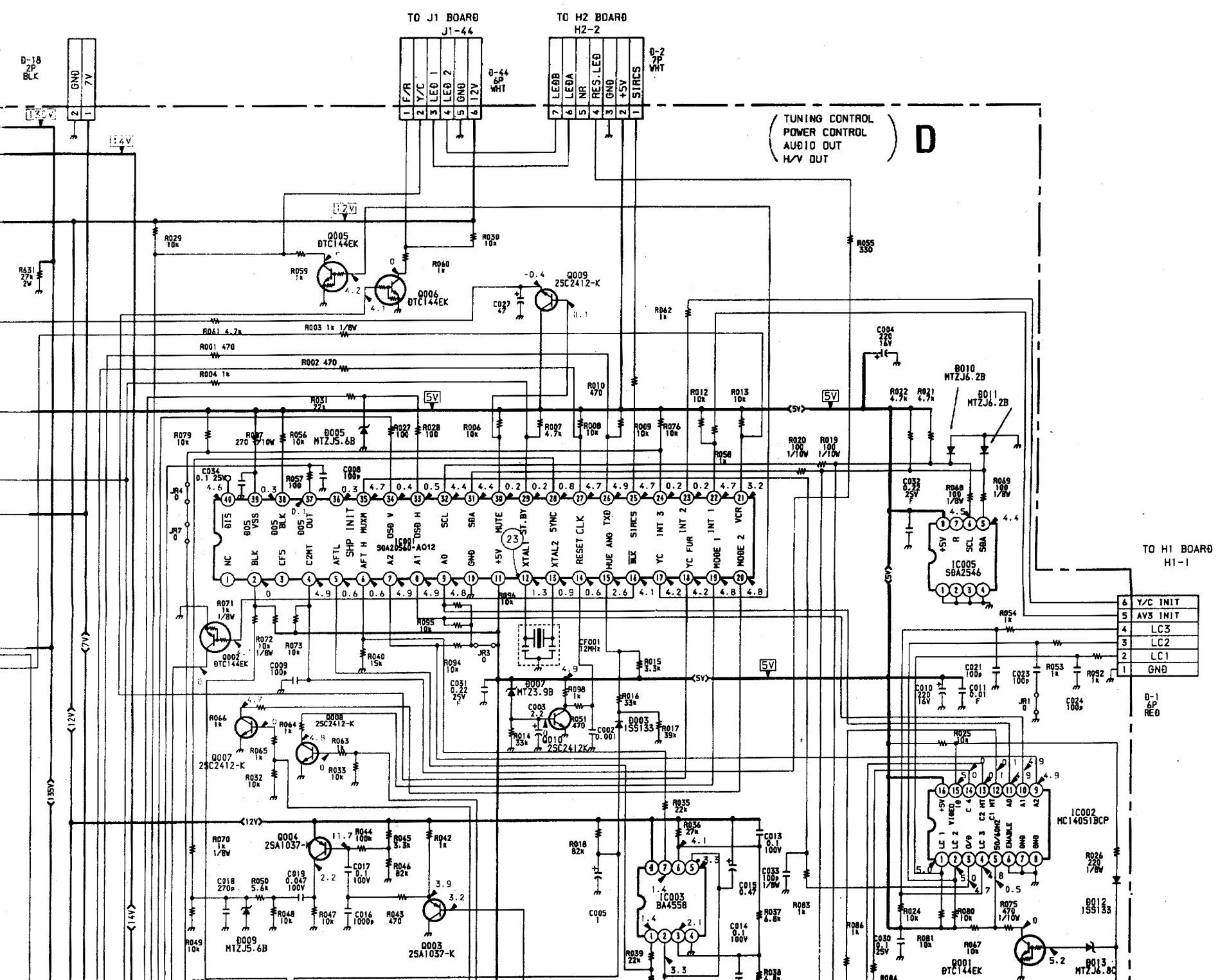
(TUNING CONTROL
POWER CONTROL
AUDIO OUT
H/V OUT)

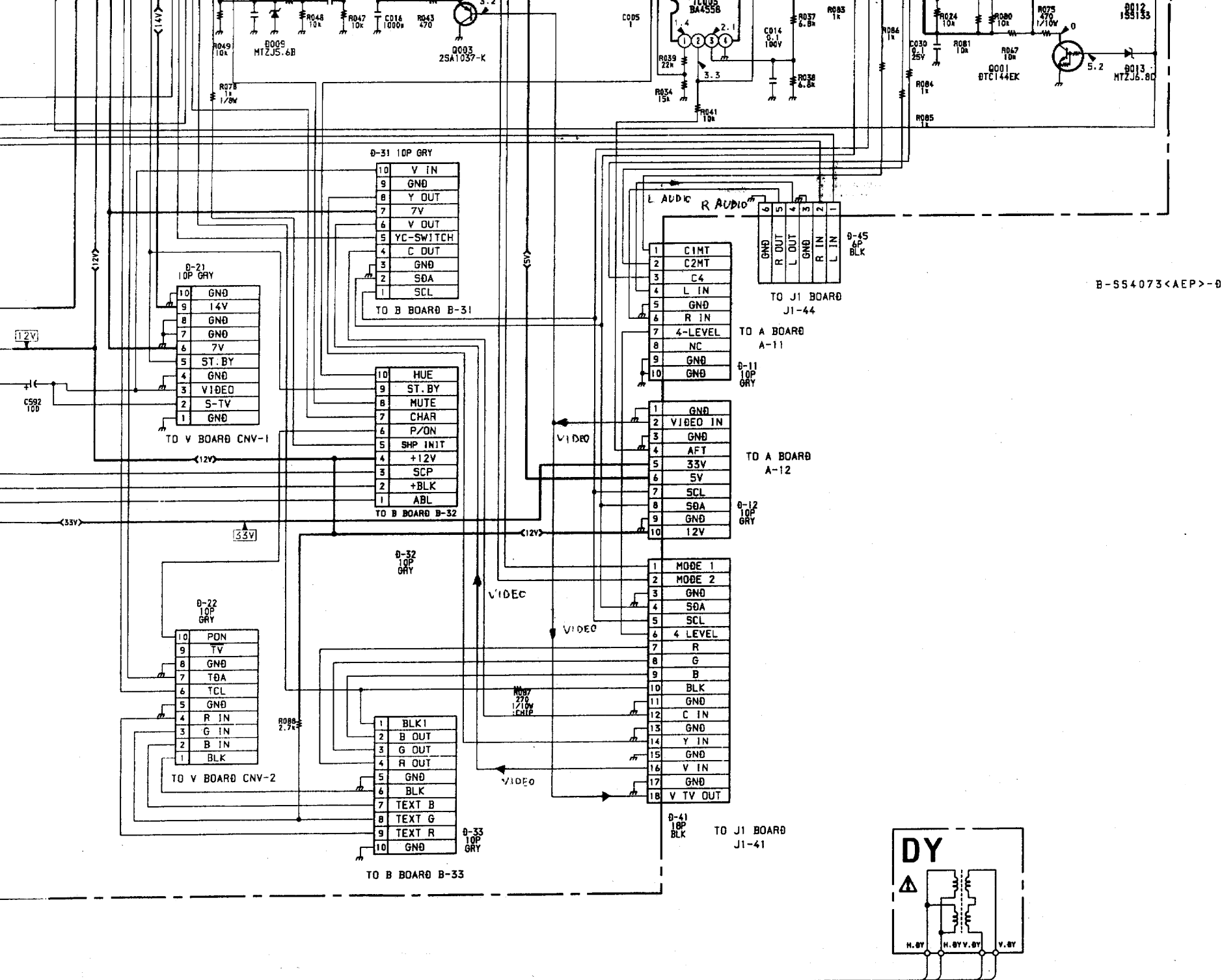
D

TO H1 BOARD
H1-1

6	Y/C INIT
5	AV3 INIT
4	LC3
3	LC2
2	LC1
1	GND

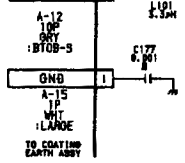
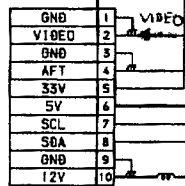
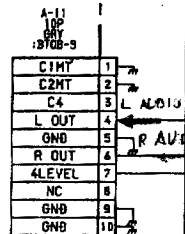
0-1
6P
RED





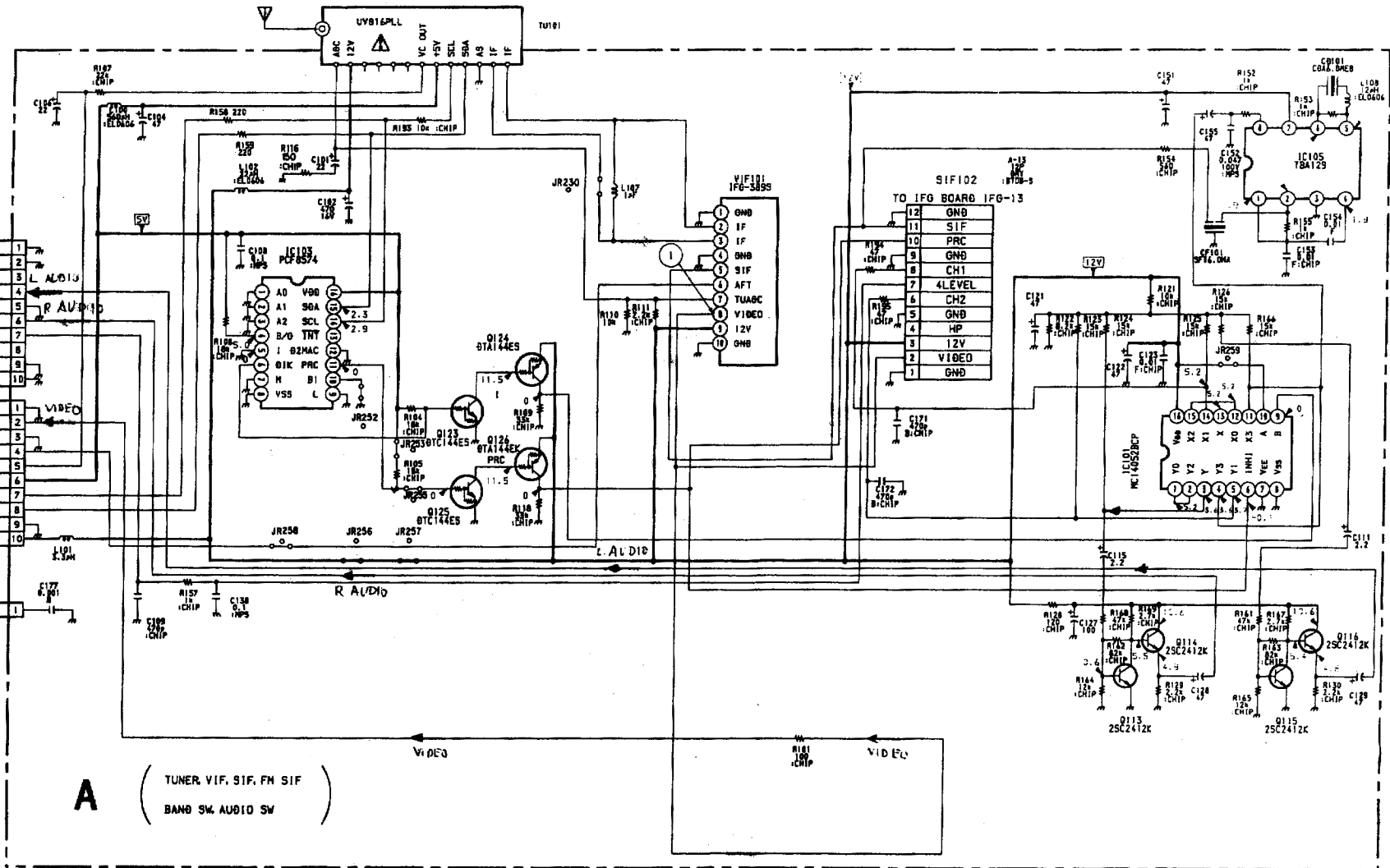
TO D BOARD
D-11

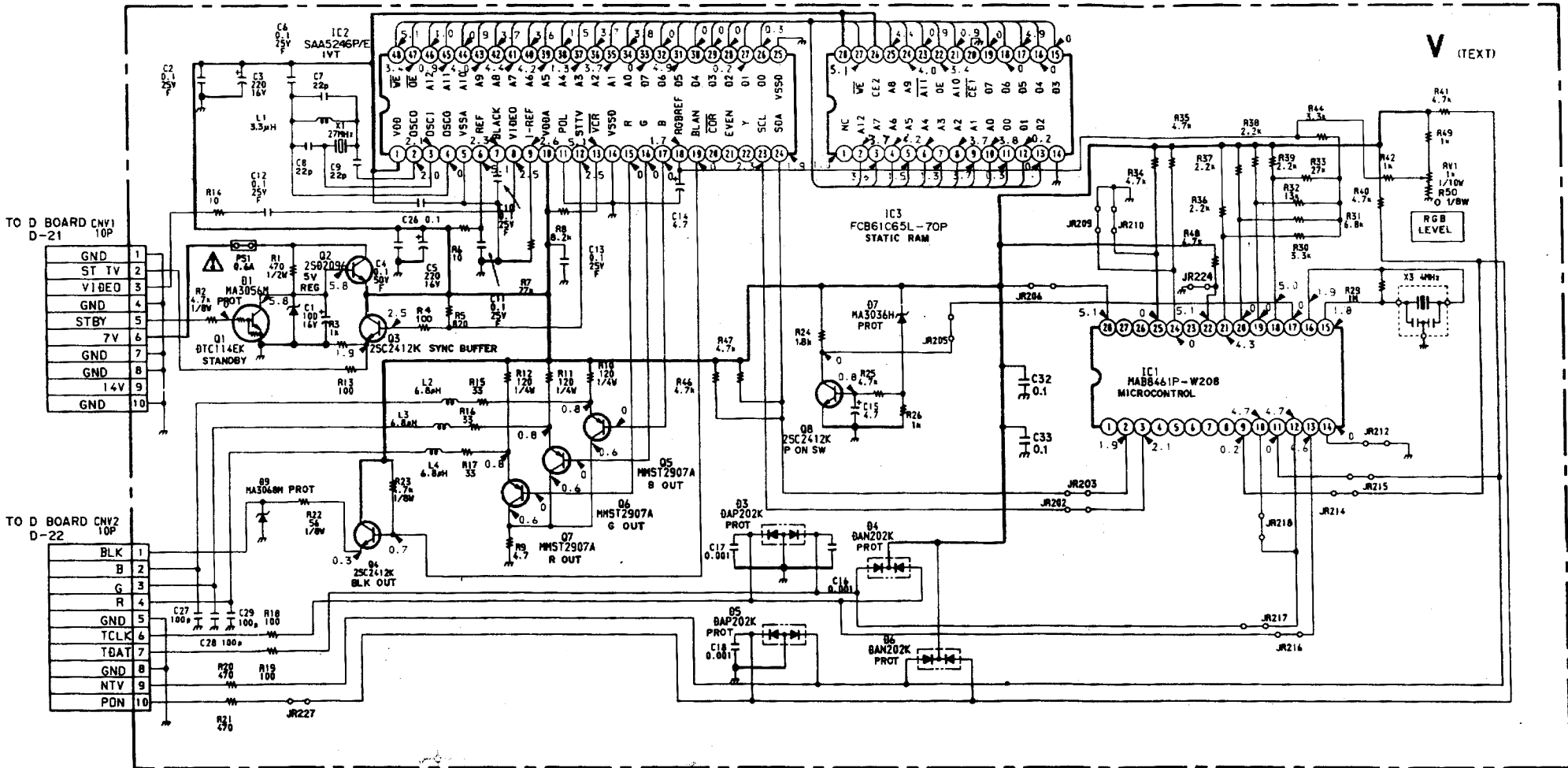
TO D BOARD
D-12



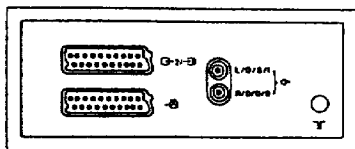
A

(TUNER VIF, SIF, FM SIF
BAND SW, AUDIO SW)

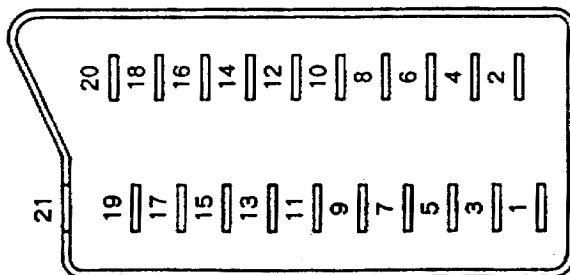
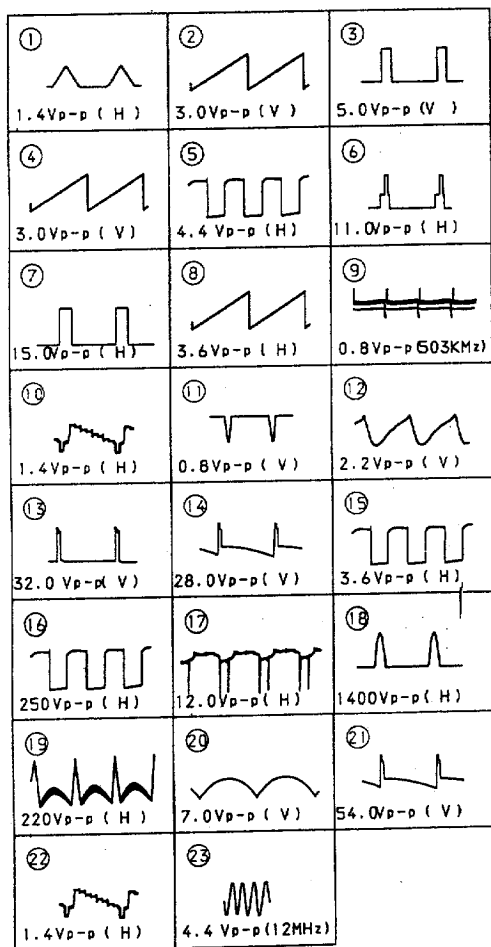




21 pin connector (→, →2/→3)



— D Board —



Pin No.	1	2	Signal	Signal level
1	○	○	Audio output B (right)	Standard level: 0.5Vrms Output impedance: Less than 1kohm*
2	○	○	Audio input B (right)	Standard level: 0.5Vrms Input impedance: More than 10kohms*
3	○	○	Audio output A (left)	Standard level: 0.5Vrms Output impedance: Less than 1kohm*
4	○	○	Ground (audio)	
5	○	○	Ground (blue)	
6	○	○	Audio Input A (left)	Standard level: 0.5Vrms Input impedance: More than 10kohms*
7	○	●	Blue Input	0.7V ± 3dB, 75ohms, positive
8	○	○	Function select (AV control)	High state (9.5 – 12V): Part mode Low state (0 – 2V): TV mode Input impedance: More than 10kohms Input capacitance: Less than 2 nF
9	○	○	Ground (green)	
10	○	○	Open	
11	○	●	Green	Green signal: 0.7V ± 3dB, 75ohms, positive
12	○	○	Open	
13	○	○	Ground (red)	
14	○	○	Ground (blanking)	
15	○	○	Red Input	0.7V ± 3dB, 75ohms, positive
	○	○	(S signal) chroma Input	0.3V ± 3dB, 75ohms, positive
16	○	●	Blanking input (Y's signal)	High state (1 – 3V) Low state (0 – 0.4V) Input impedance: 75ohms
17	○	○	Ground (video output)	
18	○	○	Ground (video input)	
19	○	○	Video output	1V ± 3dB, 75ohms, positive Sync: 0.3V (– 3, +10dB)
20	○	○	Video Input	1V ± 3dB, 75ohms, positive Sync: 0.3V (– 3, +10dB)
	○	○	Video Input/Y (S signal)	1V ± 3dB, 75ohms, positive Sync: 0.3V (– 3, +10dB)
21	○	○	Common ground (plug, shield)	

○ connected

● unconnected (open)

* at 20Hz – 20kHz

1

2

3

4

5

6

7

A

B

C

D

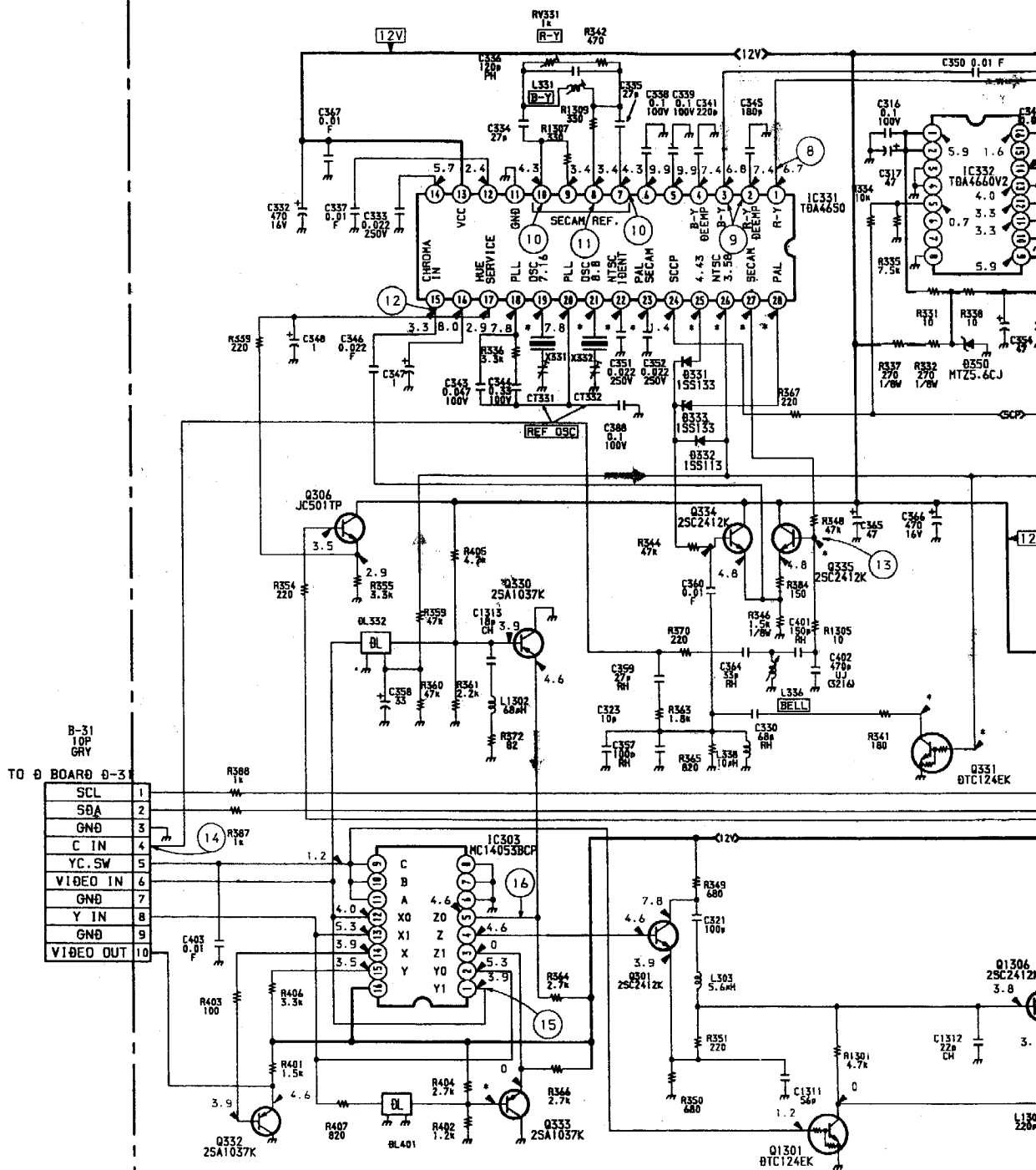
E

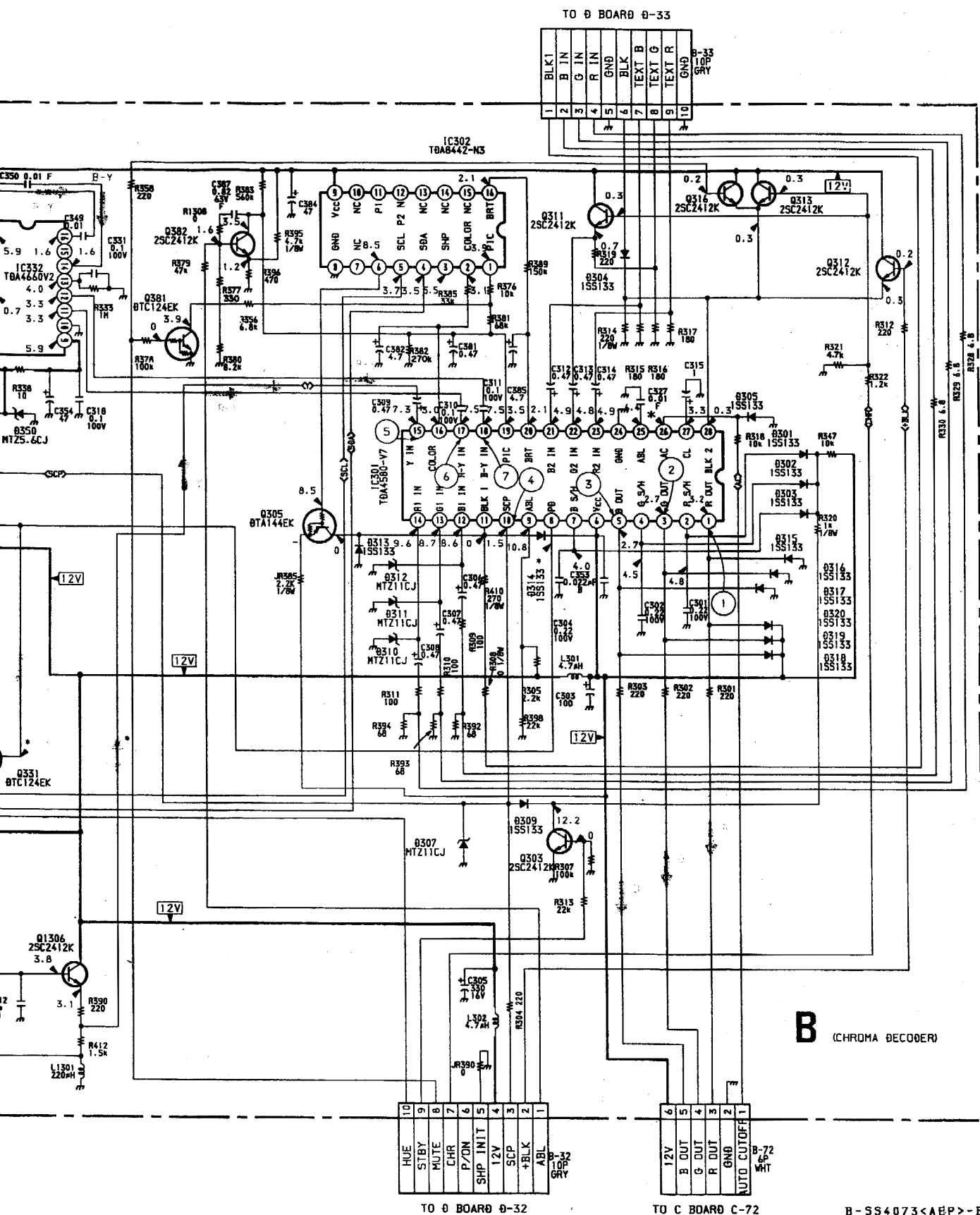
F

G

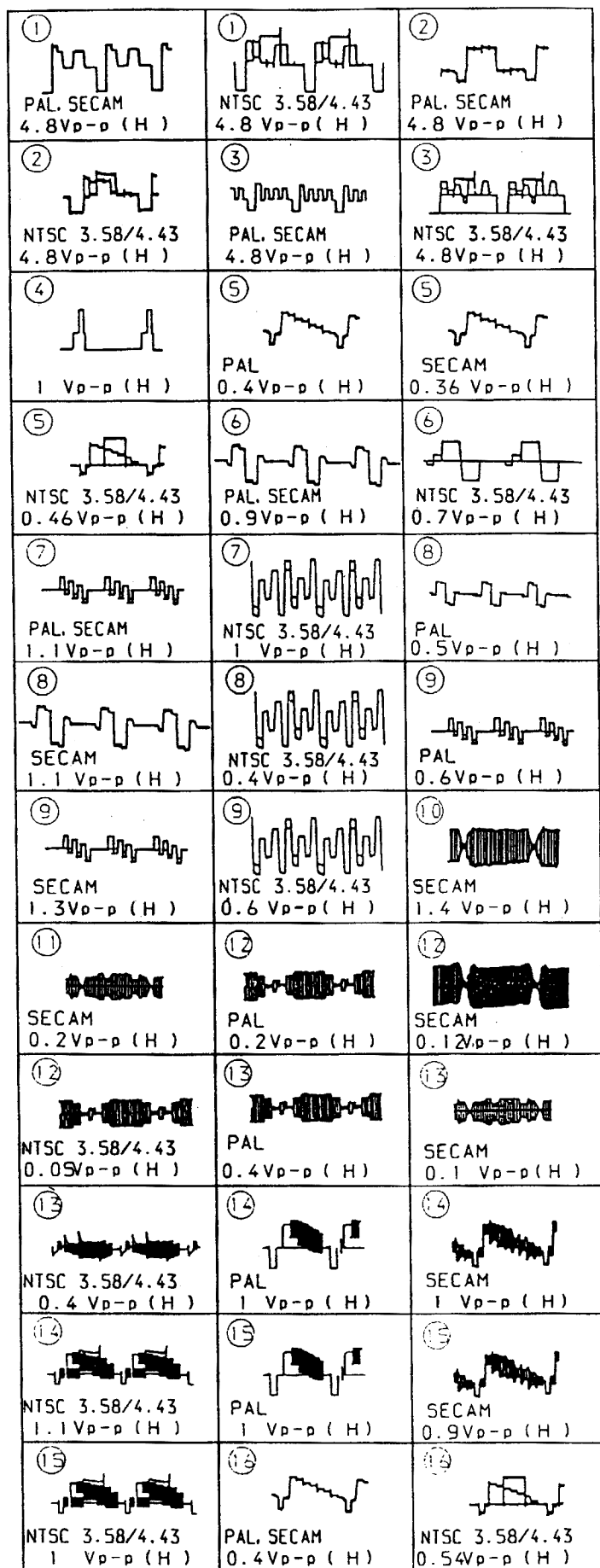
H

I





— B Board —



— B Board —

IC301	TDA4580-V7	VIDEO PROCESSOR
IC302	TDA442-N3	D/A CONVERTER IC BUS
IC303	MC14053BCP	Y/C COMP SW
IC331	TDA4650-V4	COLOR PROCESSOR
IC332	TDA4660V2	1H-DELAY
Q301	25C2412K	Y BUFFER
Q303	25C2412K	STBY SW
Q305	0TA144EK	ANTI PRIORITY SCART
Q306	JC501TP	VIDEO BUFF
Q311	25C2412K	ON SCREEN DISPLAY SW
Q312	25C2412K	CANAL +BLK
Q313	25C2412K	ON SCREEN DISPLAY
Q316	25C2412K	FAS PICTURE MUTE SW
Q330	2SA1037K	VIDEO AMP
Q331	0TC124EK	NTSC SW
Q332	2SA1037K	VIDEO BUFF
Q333	2SA1037K	Y AMP
Q334	25C2412K	PAL/NTSC SW
Q335	25C2412K	SECAM SW
Q381	0TC124EK	MUTE
Q382	25C2412K	ABL
Q1301	0TC124EK	Y BUFF
Q1306	25C2412K	Y OUT
0301	1SS133	ACO AT STBY
0302	1SS133	ACO AT STBY
0303	1SS133	ACO AT STBY
0304	1SS133	DECOUPLING BLK
0305	1SS133	PROTECT
0307	MTZ11CJ	PROTECT
0309	1SS133	PROTECT
0310	MTZ11CJ	PROTECT
0311	MTZ11CJ	PROTECT
0312	MTZ11CJ	PROTECT
0313	1SS133	PROTECT
0314	1SS133	PROTECT
0315	1SS133	PROTECT
0316	1SS133	PROTECT
0317	1SS133	PROTECT
0318	1SS133	PROTECT
0319	1SS133	PROTECT
0320	1SS133	PROTECT
0331	1SS133	SECAM SW
0332	1SS133	SECAM SW
0333	1SS133	SECAM SW
0350	MTZ5.6CJ	PROTECT

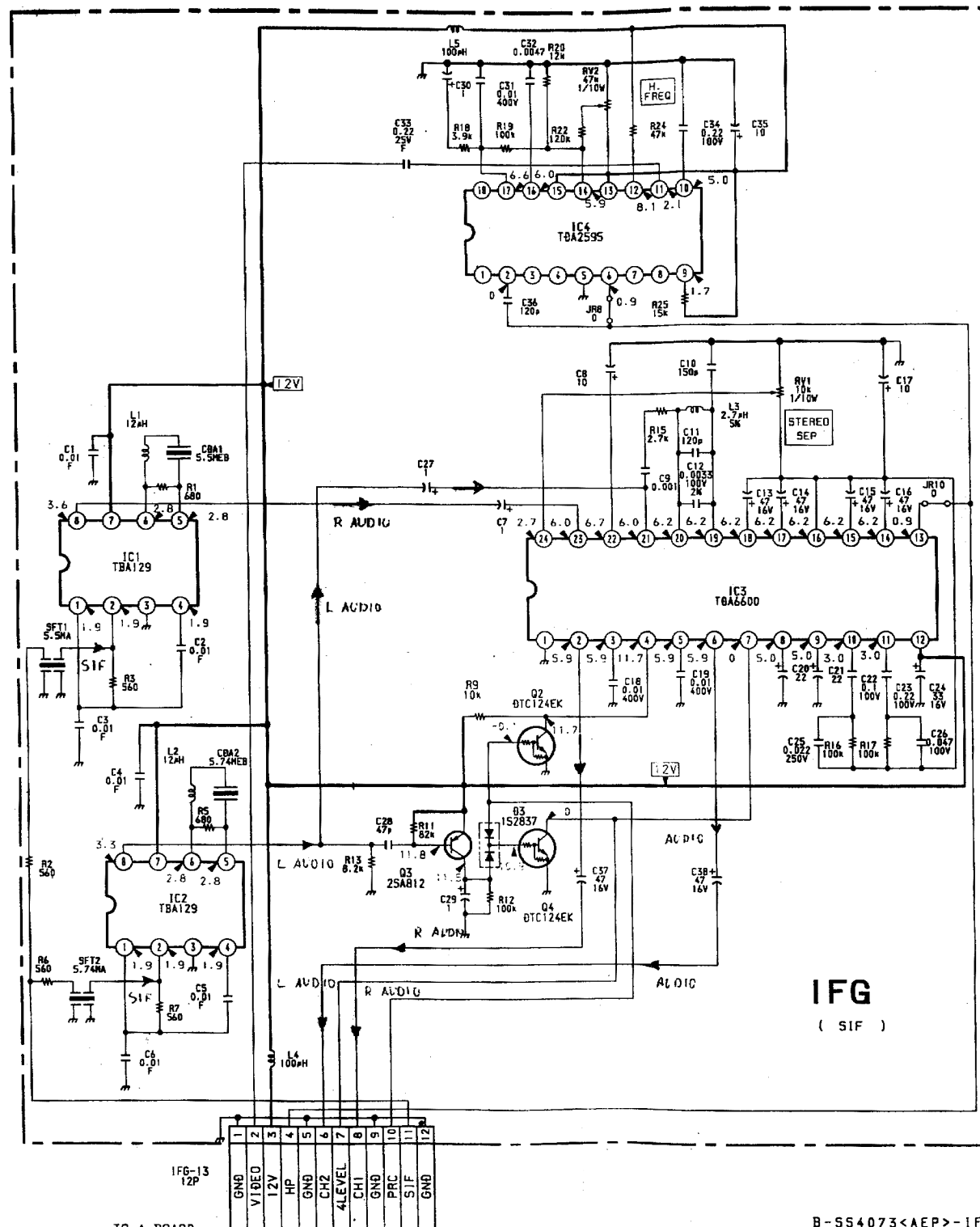
— B Board —

As to the voltage value shown by the mark * on the Schematic Diagram, see the another list.

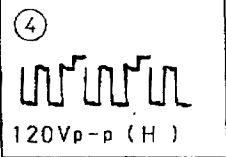
		PAL	SECAM	NTSC 3.58	NTSC 4.43
IC301	①	0.1	0.1	5.8	0.1
	⑭	6.7	6.8	5.1	5.1
	⑮	3.1	3.6	3.1	2.8
	⑯	3.0	3.5	2.9	2.7
	⑰	5.6	5.6	7.1	7.2
	⑱	7.5	7.0	5.6	5.6
	⑳	0.1	0.1	0.1	5.8
	㉑	0.1	0.1	5.8	0.1
	㉒	0.1	5.8	0.1	0.1
	㉓	5.9	0.1	0.1	0.1
Q331	①	0.1	0.1	5.8	0.1
	②	1.5	1.9	0	0.6
Q333	①	3.4	4.4	4.4	4.4
Q334	①	4.9	0.1	4.8	4.8
Q335	①	0.1	4.8	0.1	0.1

— IFG Board —

IC1	TBA129	5.5 DET
IC2	TBA129	SIF DET AMP
IC3	TDA6600-2	H. FREQ AMP
IC4	TDA2595/V9	
Q2	DTC124EK	SW
Q3	2SA812	SW
Q4	DTC124EK	SW
D3	1S2837	SW



TO A BOARD



Q702	JC501	R ØRIVE
Q703	ØF871	R OUT
Q704	25A10910	ACO MEASURING
Q705	JC501	G ØRIVE
Q706	BF871	G OUT
Q707	25A10910	ACO MEASURING
Q708	JC501	B ØRIVE
Q709	BF871	B OUT
Q710	25A10910	ACO MEASURING
Ø701	MTZJ9.1C	PROTECT
Ø702	1SS133	PROTECT
Ø703	1SS133	PROTECT
Ø704	1SS133	PROTECT
Ø705	1SS133	PROTECT
Ø706	1SS133	PROTECT
Ø707	1SS133	PROTECT
Ø708	1SS133	PROTECT
Ø709	1SS133	PROTECT
Ø710	1SS133	PROTECT
Ø711	RGP10G	HEATING VOLTAGE REC
Ø713	1SS133	PROTECT

