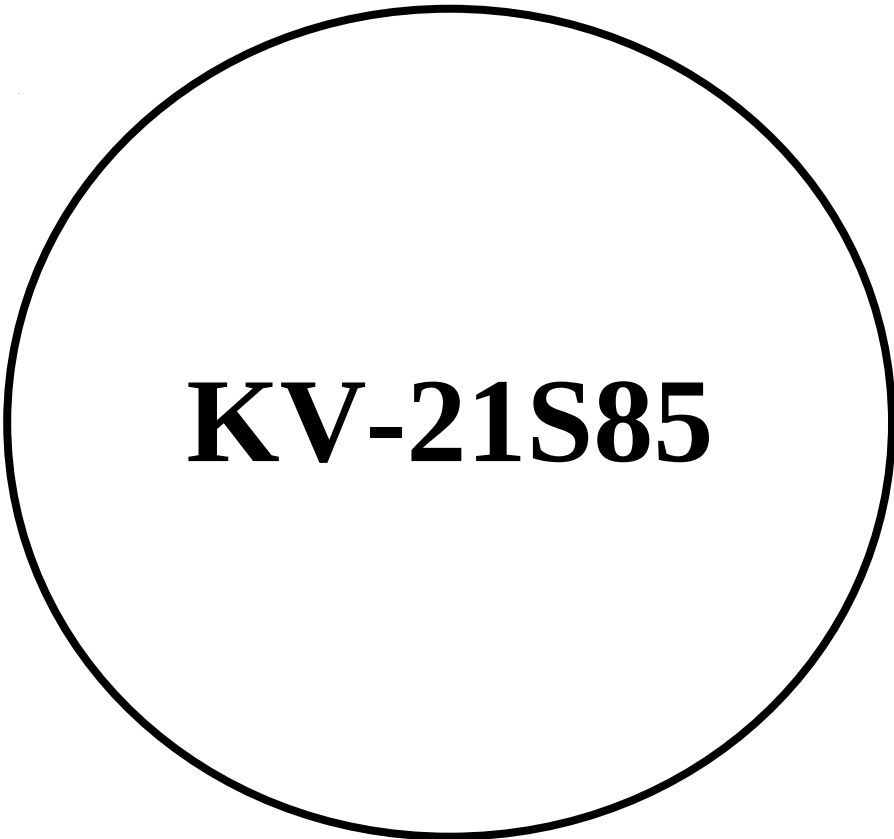


DIAGRAMA DE CIRCUITO

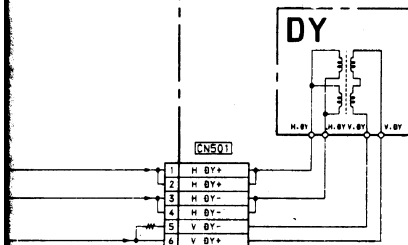
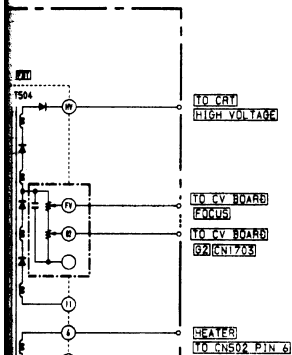
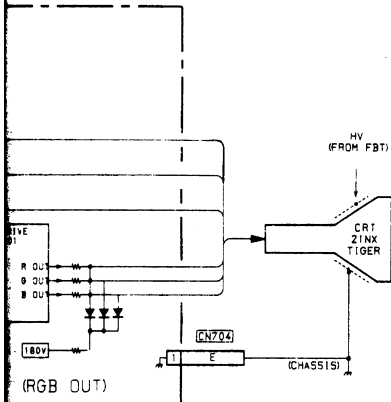
TELEVISOR EM CORES



KV-21S85

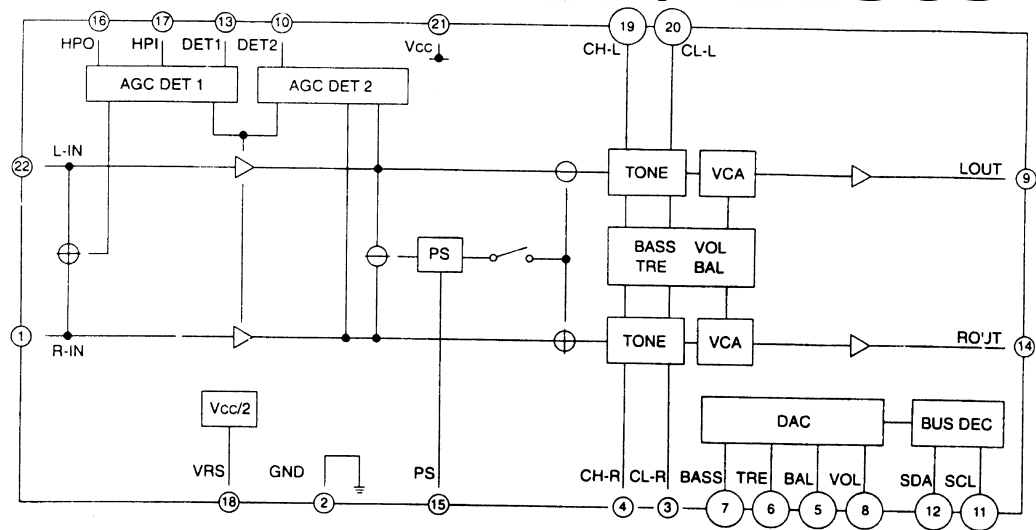
SONY

KV-21S85



GLE. TUNER
, DEF. H. DEF)

9-5V6727/6729-BLK

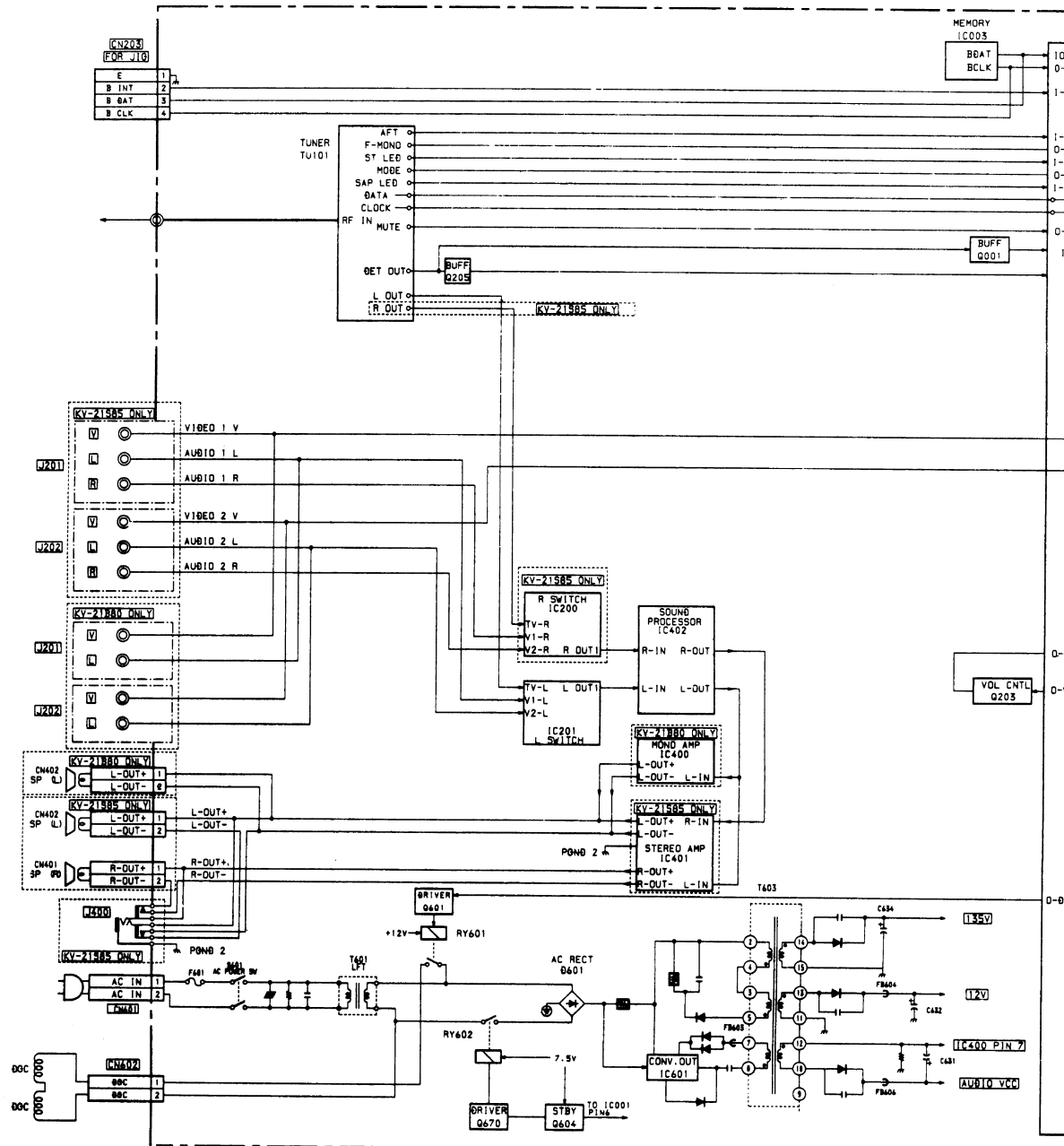


A BOARD : IC402 CXA2021S

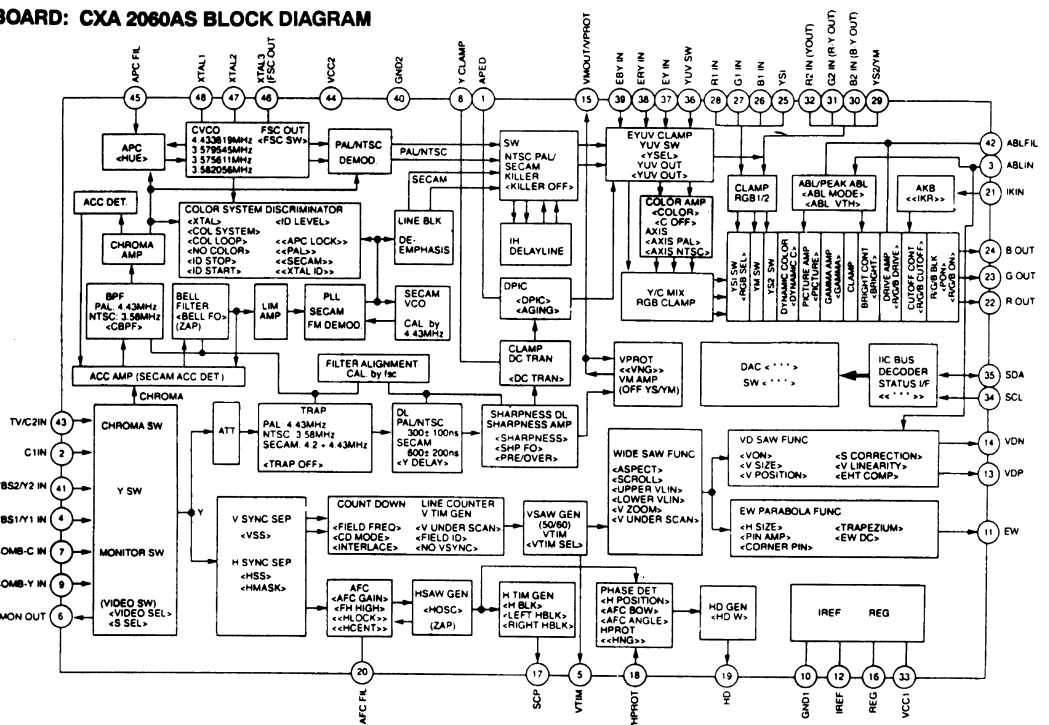
BOARD (*) MARK LIST

NO.	LOC.	KV-21B80	KV-21S85	REF. NO.	LOC.	KV-21B80	KV-21S85
011		#	0.001 B:CHIP	J201		2P	3P
012		#	0.001 B:CHIP	J202		2P	3P
02		#	1 100V	J400		#	HEAD-PHONE
06		#	1 100V	JW201		5MM	#
014		#	JW (5)	JW207		7.5MM	#
016		#	0.47	JW600		10MM	7.5MM
020		#	470 35V	JW601		10MM	7.5MM
021		#	470 35V	JW602		10MM	7.5MM
033		#	1 100V	JW603		10MM	7.5MM
000		#	4.7	R010		#	220 :CHIP
001		#	0.1	R020		#	6.8k
002		#	4700p :CHIP	R051		#	220 :CHIP
003		#	4.7	R070		#	4.7k
004		#	4.7	R090		#	10k
005		#	4.7	R202		#	470k :CHIP
006		#	4.7	R206		#	470k
007		#	10	R231		8.2K	#
010		#	4.7	R232		#	4.7k
011		#	0.1	R233		#	4.7k
012		#	0.1	R234		#	1k :CHIP
013		#	47	R237		#	220
014		#	4700p :CHIP	R238		#	1k
015		#	0.1	R239		#	220
016		#	4.7	R240		#	1k
001		#	2P WHT :MICRO	R241		#	4.7k :CHIP
002		#	MTZJ-T-7710B	R400		22k:RD	4.7k
004		#	M1 LJ-T-7710B	R402		#	1M :CHIP
000		#	NJM2521M	R403		#	220
000	TD:7056B	#		R404		#	220
001		#	TDA7057AQ	S006		#	TACTILE
002		#	CXA2021S	TU101		BTF-FA401	BTF-WA411

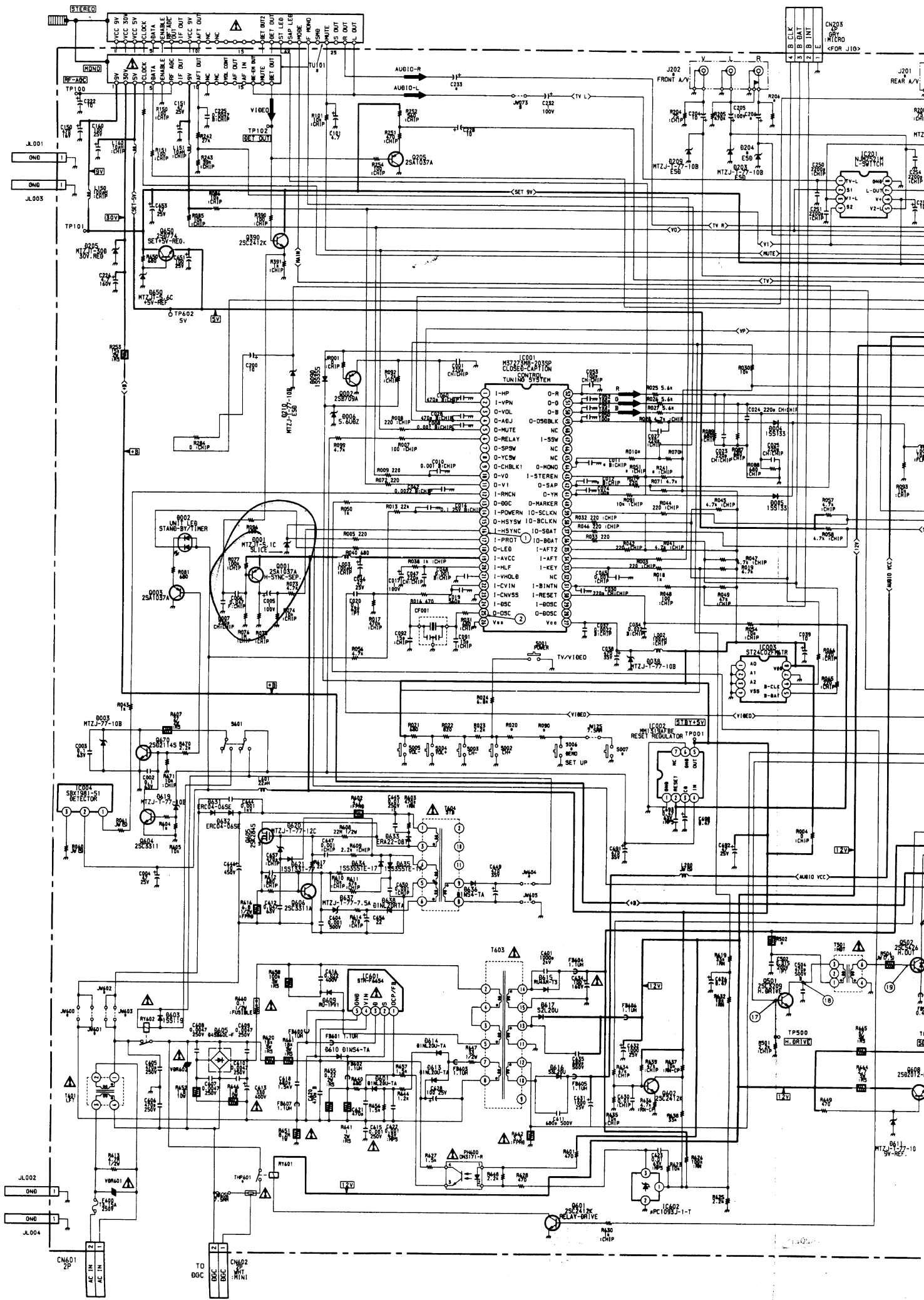
#: NOT MOUNTED



A BOARD: CXA 2060AS BLOCK DIAGRAM



KV-21S85





A BOARD IC VOLTAGE LIST

IC001		45	4.9	2	0.3	38	NC	8	4.5
pin	volt	46	NC	3	6.1	39	NC	9	4.5
1	0.3	47	NC	4	0.3	40	GND	10	1.9
2	5	48	NC	5	6.1	41	5.2	11	4.8
3	0.7	49	0.02	6	9.1	42	5.2	12	4.8
4	1.7	50	0.02	7	5.3	43	5.3	13	1.6
5	0.02	51	0.02	8	GND	44	9	14	4.5
6	2.8	52	0.02	IC301		45	5.2	15	4.5
7	NC	IC002		pin	volt	46	NC	16	5.6
8	NC	pin	volt	1	3.5	47	1.1	17	4.5
9	NC	1	GND	2	NC	48	0.03	18	4.5
10	0.05	2	5	3	1.3	IC400		19	4.5
11	0.05	3	4.9	4	5.3	pin	volt	20	4.5
12	2.9	4	6.9	5	5	1	NC	21	9.1
13	0.02	5	5	6	4.5	2	13.8	22	4.5
14	5	6	GND	7	NC	3	2.4	IC521	
15	NC	7	NC	8	4.7	4	GND	pin	volt
16	0	8	0	9	NC	5	2.1	1	NC
17	-0.3	IC003		10	GND	6	6.2	2	NC
18	4.9	pin	volt	11	NC	7	GND	3	NC
19	4.9	1	GND	12	2.4	8	6.3	4	GND
20	1.9	2	GND	13	3.6	9	NC	5	8.6
21	0	3	GND	14	3.5	IC401		6	9.7
22	2.4	4	GND	15	NC	pin	volt	7	1.3
23	GND	5	4.8	16	7.7	1	2.1	8	13.5
24	2.2	6	4.8	17	NC	2	NC	IC541	
25	2.3	7	GND	18	3.5	3	2.4	pin	volt
26	GND	8	5	19	3	4	13.8	1	2.4
27	4.9	IC004		20	3.8	5	2.4	2	13.5
28	NC	pin	volt	21	2.3	6	GND	3	11.6
29	NC	1	3.4	22	1.7	7	2.1	4	13.5
30	5	2	5	23	1.5	8	6.3	5	0.05
31	4.9	3	GND	24	1.7	9	GND	6	14.2
32	NC	IC200		25	NC	10	6.3	7	2.4
33	5	pin	volt	26	NC	11	6.3	IC601	
34	2.3	1	5.9	27	NC	12	GND	pin	volt
35	5	2	0.3	28	NC	13	6.2	1	1.9
36	4.8	3	6.1	29	0.02	IC402		2	0.1
37	4.8	4	0.3	30	4.6	pin	volt	3	150
38	4.8	5	6	31	4.6	1	4.8	4	15.4
39	4.8	6	9.1	32	4.6	2	GND	5	GND
40	NC	7	5.1	33	9	3	4.5	IC602	
41	0.02	8	GND	34	4.9	4	4.5	pin	volt
42	0.07	IC201		35	4.8	5	4.5	1	2.5
43	0.2	pin	volt	36	NC	6	4.5	2	GND
44	4.9	1	5.9	37	NC	7	4.5	3	10.6

All voltages are in V

A BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q001	5.2	0.8	5
Q002			
Q003	2.8	GND	3.3
Q203	3.3	GND	0.9
Q204	GND	0.9	0
Q205	4.6	GND	5.2
Q300	0.4	3.5	GND
Q301	3.7	2.3	3.7
Q302	3.7	GND	3.7
Q305	4.5	GND	5.1
Q390	4.6	9.1	3.9
Q392	1.7	GND	2.3
Q393	1.5	GND	2.1
Q394	1.7	GND	2.3
Q501	-0.8	46.5	GND
Q502	-0.5	112.3	GND
Q571	113	GND	113.6
Q601	0.02	12.9	GND
Q602	1	3.5	0.4
Q604	0	0.7	GND
Q606	0.5	1.4	0
Q608	9.7	12.2	9.1
Q650	5.7	9.1	5.1
Q670	0.7	0.07	GND

All voltages are in V

A BOARD TRANSISTOR VOLTAGE LIST

	G	D	S
Q605	1.5	149.2	0.5

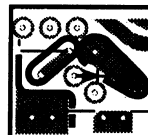
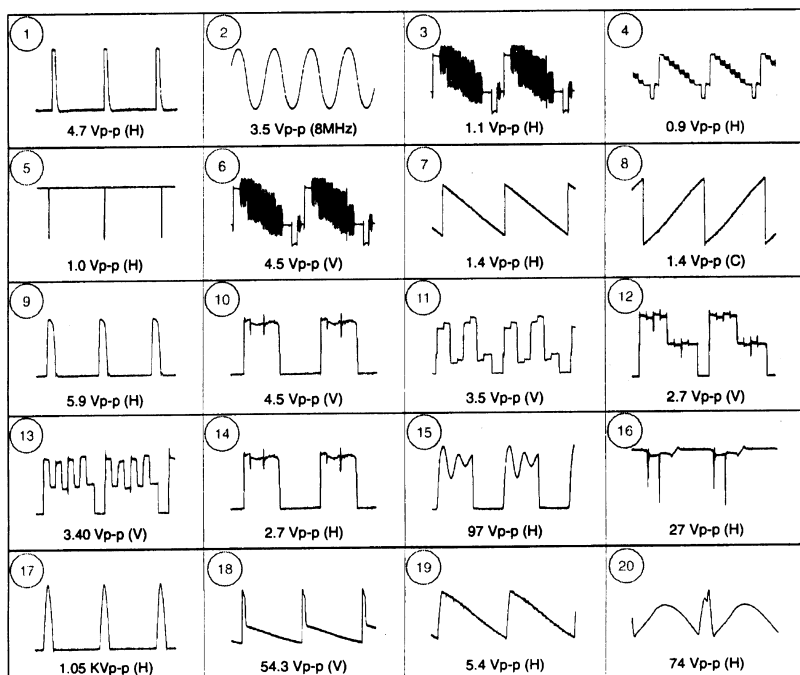
All voltages are in V

A BOARD SEMICONDUCTOR LOCATION

DIODE	D603	H-3	IC402	A-10
D001	D-4	D605	F-4	IC521
D002	D-2	D609	J-4	IC541
D003	B-1	D610	H-4	IC601
D004	B-5	D611	G-7	IC602
D005	A-5	D613	H-5	TRANSISTOR
D038	A-3	D614	H-5	Q001
D090	B-4	D615	J-7	Q002
D201	C-11	D616	H-6	Q003
D202	C-11	D617	I-7	Q203
D203	A-1	D619	A-2	Q204
D204	A-1	D620	I-1	Q205
D205	D-11	D621	I-1	Q300
D208	E-4	D631	J-2	Q301
D209	A-2	D632	J-2	Q302
D210	A-12	D633	I-2	Q305
D302	C-5	D634	I-1	Q390
D303	C-6	D635	I-2	Q392
D304	C-6	D636	H-2	Q393
D403	D-3	D637	I-1	Q394
D502	G-10	D638	I-1	Q501
D541	E-10	D650	B-7	Q502
D552	G-11	IC		Q571
D561	G-12	IC001	B-4	Q601
D562	G-12	IC002	B-2	Q602
D571	G-11	IC003	A-3	Q604
D572	E-11	IC004	D-1	Q605
D573	E-11	IC200	C-10	Q606
D574	E-10	IC201	C-9	Q608
D581	E-11	IC301	B-5	Q650
D601	H-5	IC401	D-7	Q670
D602	G-6			

All voltages are in V

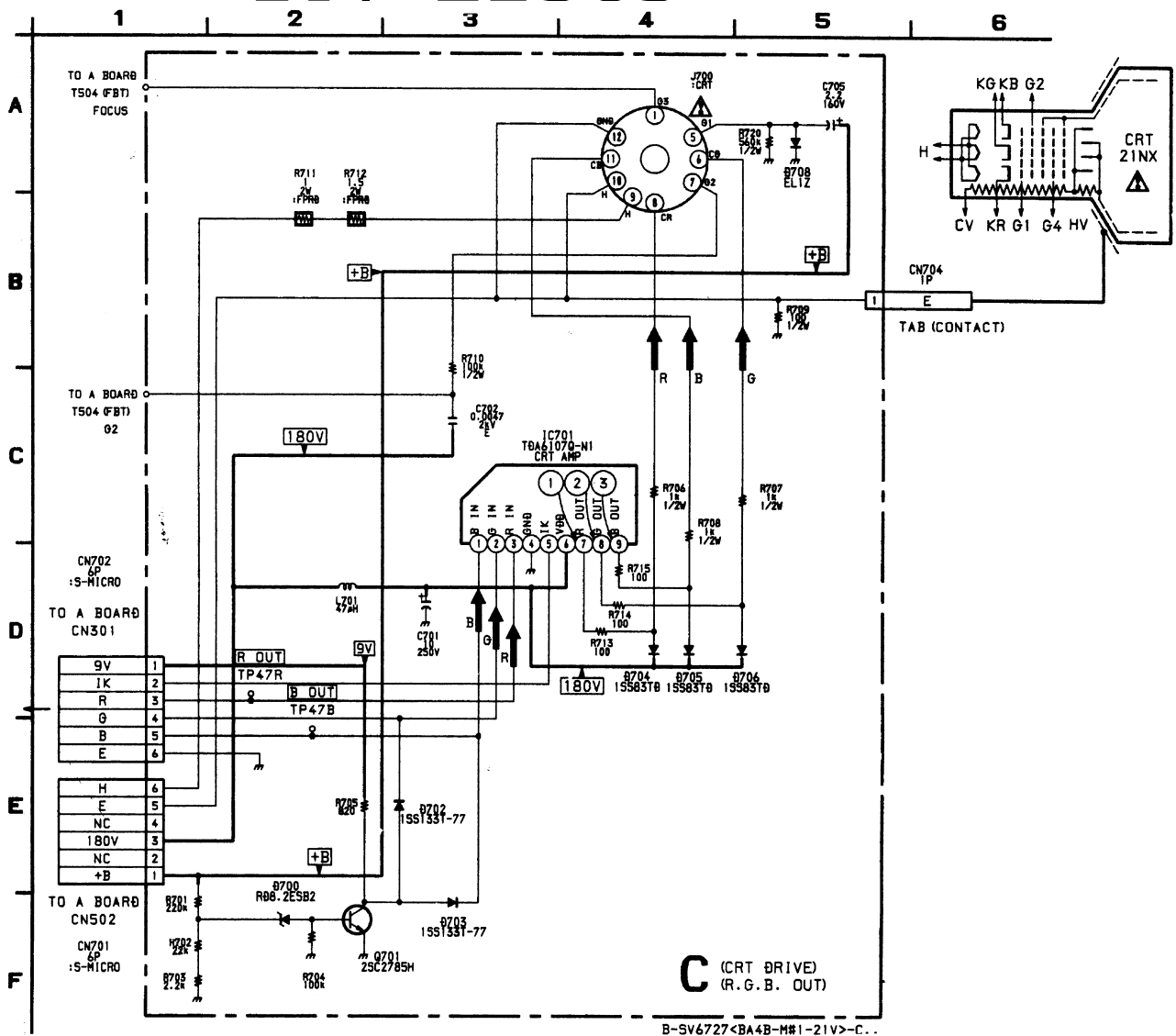
A BOARD WAVEFORMS



NOTE:

Portions of this circuit marked as shown are high voltage areas. Use care to prevent electric shocks during inspection or repair.

KV-21S85

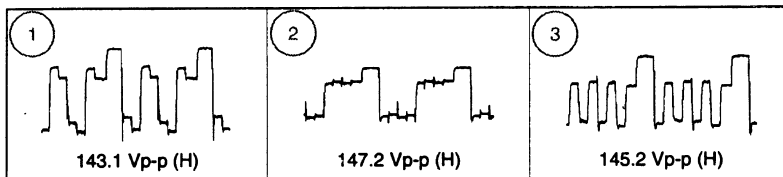


C BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q701	0.7	0.2	0.01

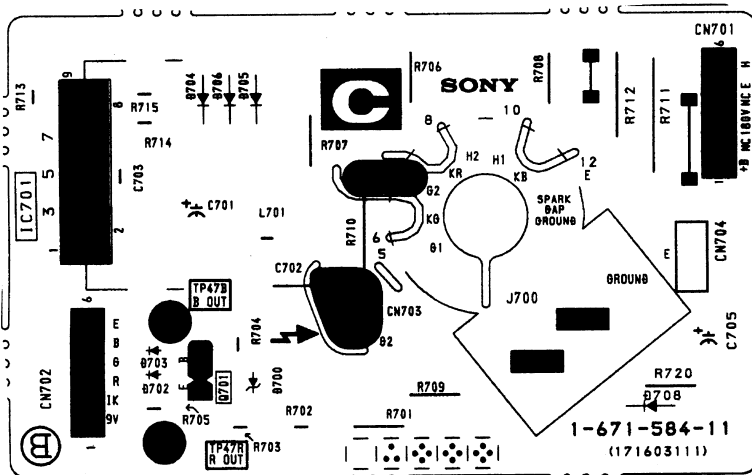
All voltages are in V

C BOARD WAVEFORMS



- C BOARD -

C [CRT DRIVE, RGB OUT]



C BOARD IC VOLTAGE LIST

pin	volt
1	2.4
2	2.1
3	2.3
4	0
5	3.8
6	206
7	144.5
8	154.8
9	2.5

All voltages are in V