

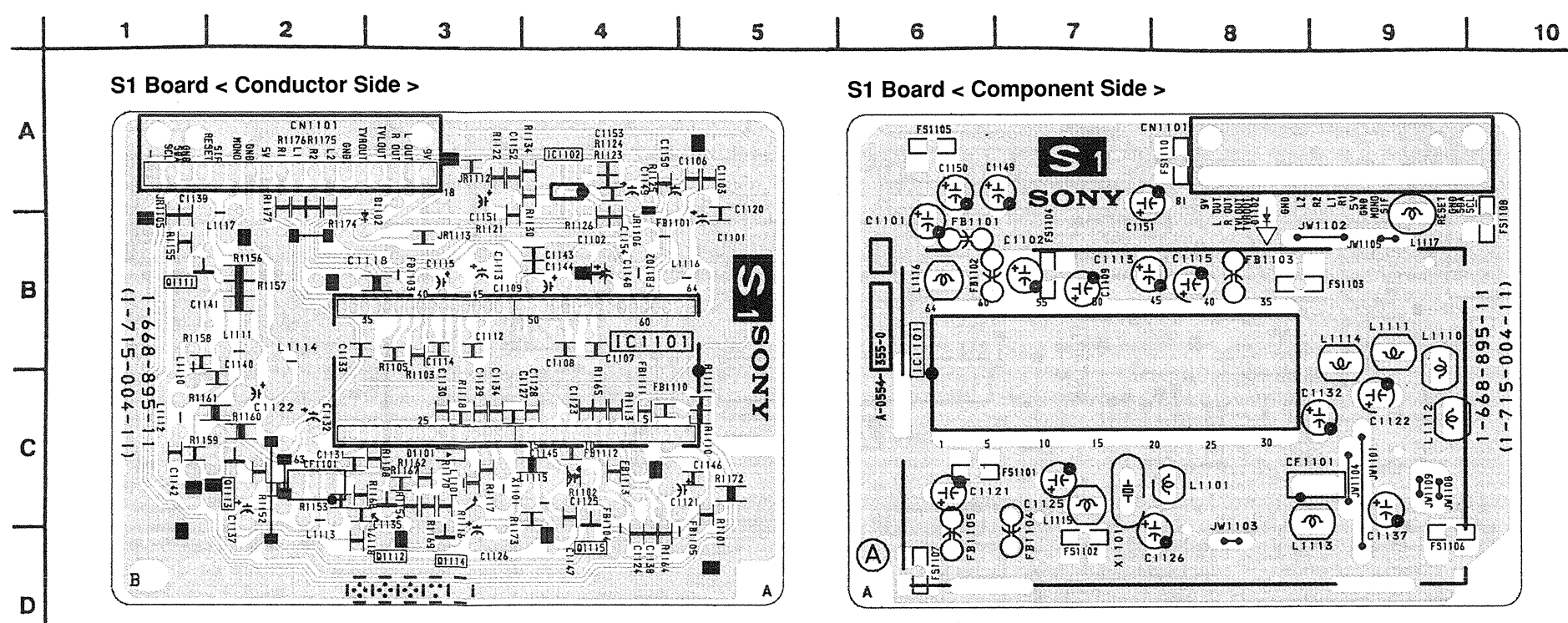
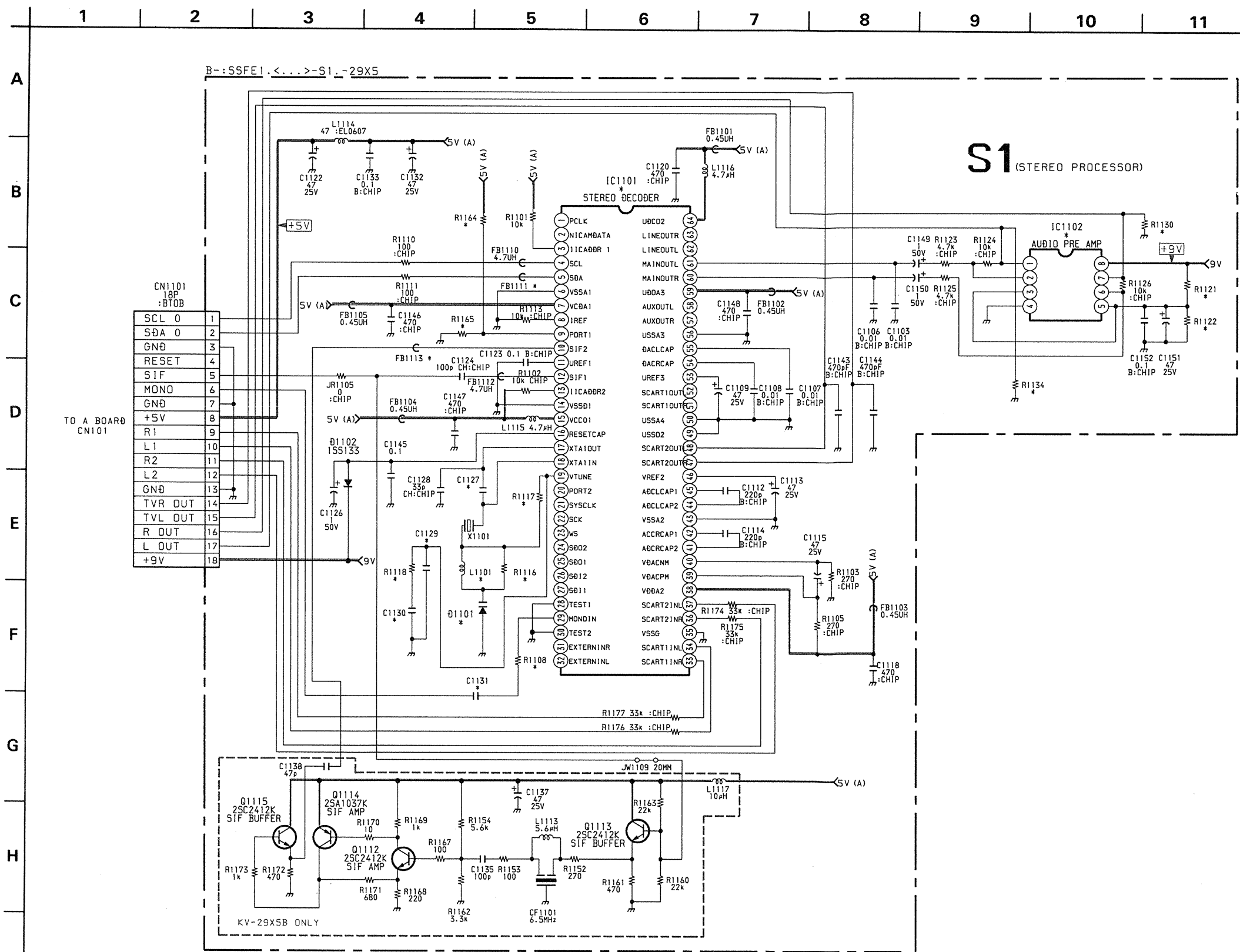
SERVICE MANUAL

FE-1 CHASSIS

<i>MODEL</i>	<i>COMMANDER</i>	<i>DEST</i>	<i>CHASSIS NO.</i>	<i>MODEL</i>	<i>COMMANDER</i>	<i>DEST</i>	<i>CHASSIS NO.</i>
KV-29X5A	RM-883	Italian	SCC-Q06A-A	KV-29X5K	RM-883	OIRT	SCC-Q03A-A
KV-29X5B	RM-883	French	SCC-Q02A-A	KV-29X5L	RM-883	Irish	SCC-Q07A-A
KV-29X5D	RM-883	AEP	SCC-Q04A-A	KV-29X5R	RM-883	OIRT	SCC-Q03B-A
KV-29X5E	RM-883	Spanish	SCC-Q05A-A	KV-29X5U	RM-883	UK	SCC-Q01A-A



TRINITRON® COLOR TV
SONY®



S1 BOARD IC VOLTAGE TABLE

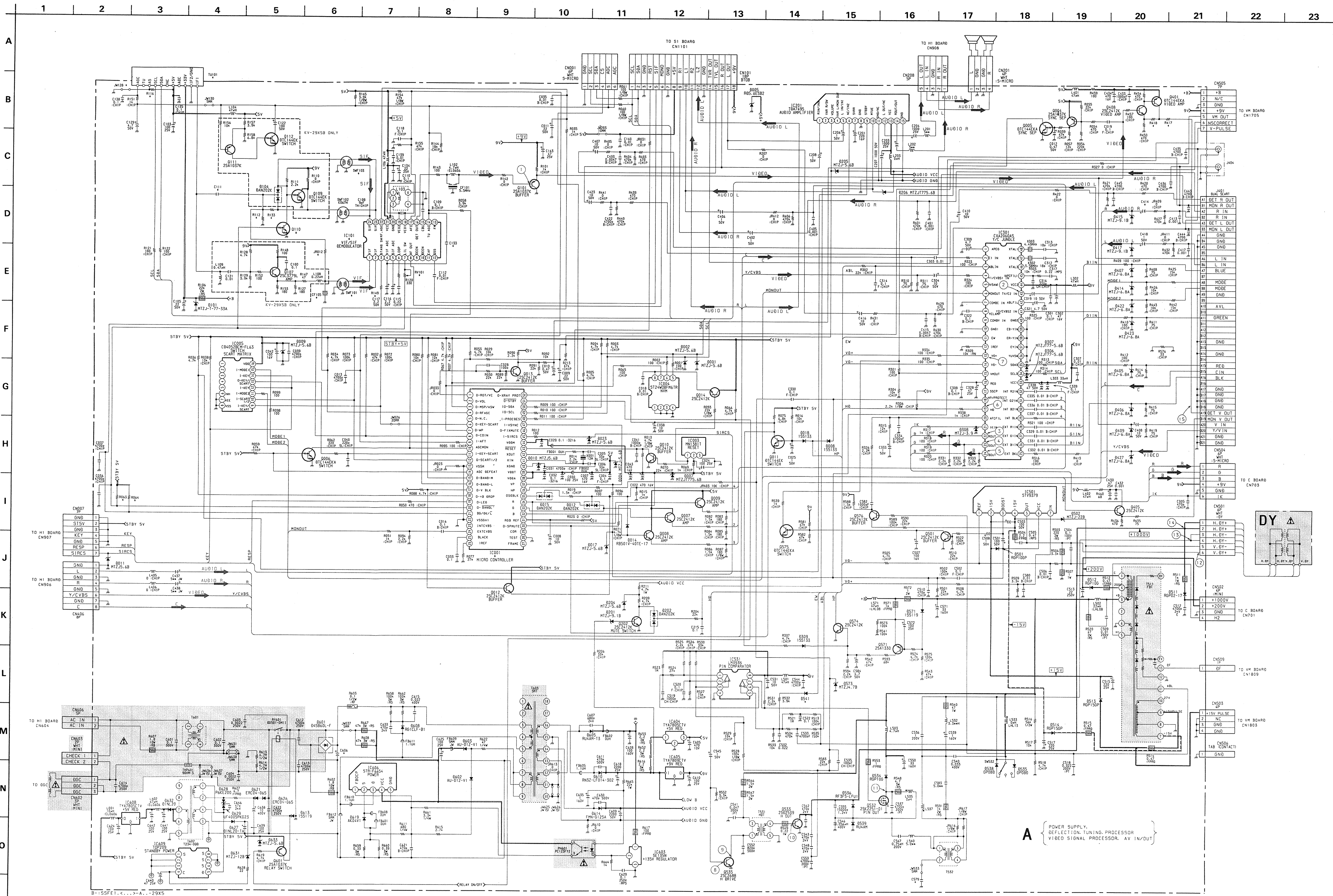
IC Voltage Table		
Ref No	Pin No	Voltage (V)
IC1101	4	3.4
	5	3.2
	7	4.8
	8	2.3
	9	4.8
	10 - 12	2.3
	13	4.8
	15	4.8
	16	4.8
	17	2.6
	18	3.5
	19	4.0
	33 - 34	2.4
	36 - 37	2.4
	38 - 39	4.8
	41 - 42	2.4
	44 - 48	2.4
	53 - 55	2.4
	59	4.8
	60 - 61	2.4
IC1102	64	4.8
	1	4.5
	2	4.1
	3	4.5
	6	4.3
	7	3.5
	8	9.0

S1 BOARD TRANSISTOR VOLTAGE TABLE

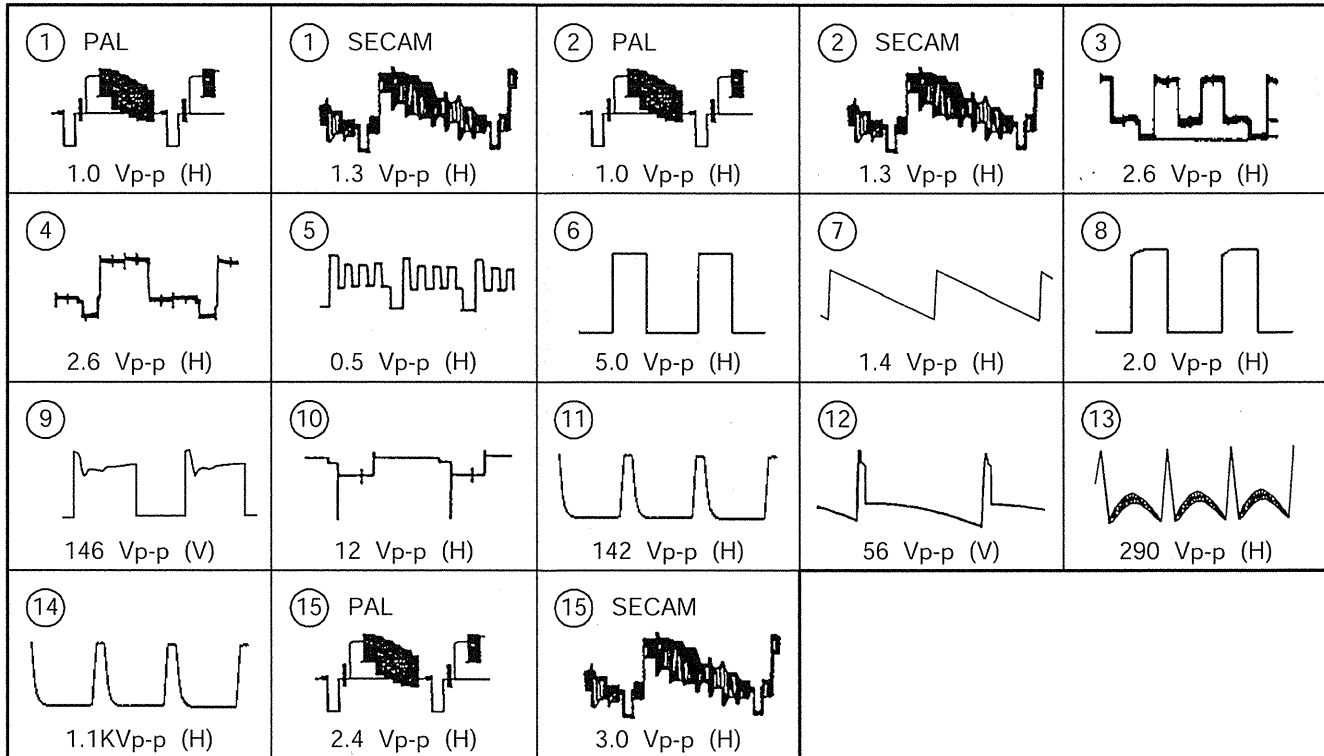
Ref No	(B) Base	(C) Collector	(E) Emitter
Q1111	2.0	4.1	1.3
Q1112	1.5	3.5	0.9
Q1113	1.9	4.1	1.3
Q1114	3.5	3.3	4.1
Q1115	3.3	4.1	2.7

S1 BOARD * MARK

Ref	29X5A	29X5B	29X5D	29X5E	29X5K	29X5L	29X5R	29X5U
C1127	22PF	33PF	22PF	33PF	22PF	33PF	22PF	33PF
C1129	-	0.033UF	-	0.033UF	-	0.033UF	-	0.33UF
C1130	-	0.33UF	-	0.33UF	-	0.33UF	-	0.33UF
C1131	0.47UF	0.47UF	0.47UF	-	0.47UF	-	0.47UF	-
D1101	0	BB135	0	BB135	0	BB135	0	BB135
FB1111	6.8UH	4.7UH	6.8UH	4.7UH	6.8UH	4.7UH	6.8UH	4.7UH
FB1113	-	4.7UH	-	-	-	-	-	-
IC1101	TDA9870	TDA9875P	TDA9870	TDA9875P	TDA9870	TDA9875P	TDA9870	TDA9875P
IC1102	LM358DR-E2	NJM4558M-TE2	LM358DR-E2	NJM4558M-TE2	LM358DR-E2	NJM4558M-TE2	LM358DR-E2	NJM4558M-TE2
L1101	-	2.7UH	-	2.7UH	-	2.7UH	-	2.7UH
R1108	2.2K	2.2K	2.2K	-	2.2K	-	2.2K	-
R1116	0	39K	0	39K	0	39K	0	39K
R1117	-	10K	-	10K	-	10K	-	10K
R1118	-	20K	-	20K	-	20K	-	20K
R1121	4.7K	10K	4.7K	10K	4.7K	10K	4.7K	10K
R1122	4.7K	10K	4.7K	10K	4.7K	10K	4.7K	10K
R1130	10K	-	10K	-	10K	-	10K	-
R1134	10K	-	10K	-	10K	-	10K	-
R1164	-	10K	-	10K	-	10K	-	10K
R1165	0	-	0	-	0	-	0	-

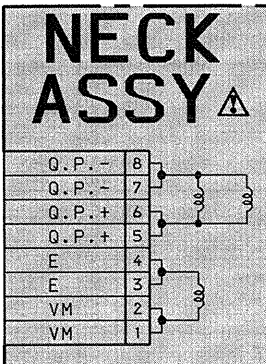


WAVEFORMS A BOARD



A BOARD * MARK

Ref	29X5A	29X5B	29X5D	29X5E	29X5K	29X5L	29X5R	29X5U
C111	0	0.1UF	0	0	0	0	0	0
C133	-	1UF	-	-	-	-	-	-
C14	1UF	0.001UF	1UF	1UF	0.001UF	1UF	1UF	1UF
C579	-	LEAD JUMPER (5.0MM)	-	-	LEAD JUMPER (5.0MM)	-	-	LEAD JUMPER (5.0MM)
C66	330UF	330UF	330UF	330UF	-	330UF	330UF	330UF
CF105	-	TRAP CERAMIC	-	-	-	-	-	TRAP CERAMIC
D541	LEAD JUMPER	-	LEAD JUMPER	LEAD JUMPER	-	LEAD JUMPER	LEAD JUMPER	-
IC001	SA45497PS/ MIA/040	SA45497PS/ MIA/038	SA45497PS/ MIA/040	SA45497PS/ MIA/038	SA45497PS/ MIA/038	SA45497PS/ MIA/038	SA45497PS/ MIA/038	SA45497PS/ MIA/038
IC101	TD9817/V	TD9817/V1	TD9817/V	TD9817/V	TD9817/V1	TD9817/V1	TD9817/V	TD9817/V
JR012	0	-	0	0	0	0	0	0
JW128	47K	LEAD JUMPER (5.0MM)	47K	LEAD JUMPER (5.0MM)	47K	LEAD JUMPER (5.0MM)	LEAD JUMPER (5.0MM)	LEAD JUMPER (5.0MM)
Q110	-	DTC144EK-T146	-	-	-	-	-	-
R063	-	4.7K	-	-	-	-	-	-
R064	-	4.7K	-	-	-	-	-	-
R112	-	2.2K	-	-	-	-	-	-
R116	47K	-	47K	47K	47K	47K	-	-
R133	0	-	0	0	0	0	0	0
R149	-	1K	-	-	-	-	-	-
R417	75	75	75	75	75	75	75	68
R418	470 1/4W	470 1/4W	470 1/4W	470 1/4W	470 1/4W	470 1/4W	470 1/4W	470 1/4W
RV101	-	22K	-	-	-	-	-	-
SWF101	1-767-874-11	1-579-273-11	1-767-874-11	1-767-874-11	1-767-874-11	1-767-874-11	1-767-874-11	1-767-874-11
SWF103	-	FILTER, SURFACE	-	-	-	-	-	-
TU101	TELE9-001A	TELE9-001A	TELE9-001A	TELE9-001A	BTP-AC411	TELE9-001A	BTP-AC402	BTP-AU602



VM BOARD IC VOLTAGE TABLE

IC Voltage Table		
Ref No	Pin No	Voltage (V)
IC1801	1 - 3	5.0
	5 - 6	4.3
	7	3.7
	8	8.0
	9	4.8
IC1901	1	1.7
	2	4.0
	3	4.5
	5	6.7
	6	6.8
IC1902	7	3.6
	8	8.0
	1 - 3	2.8
	5 - 6	5.2
	7	5.0
	8	8.0

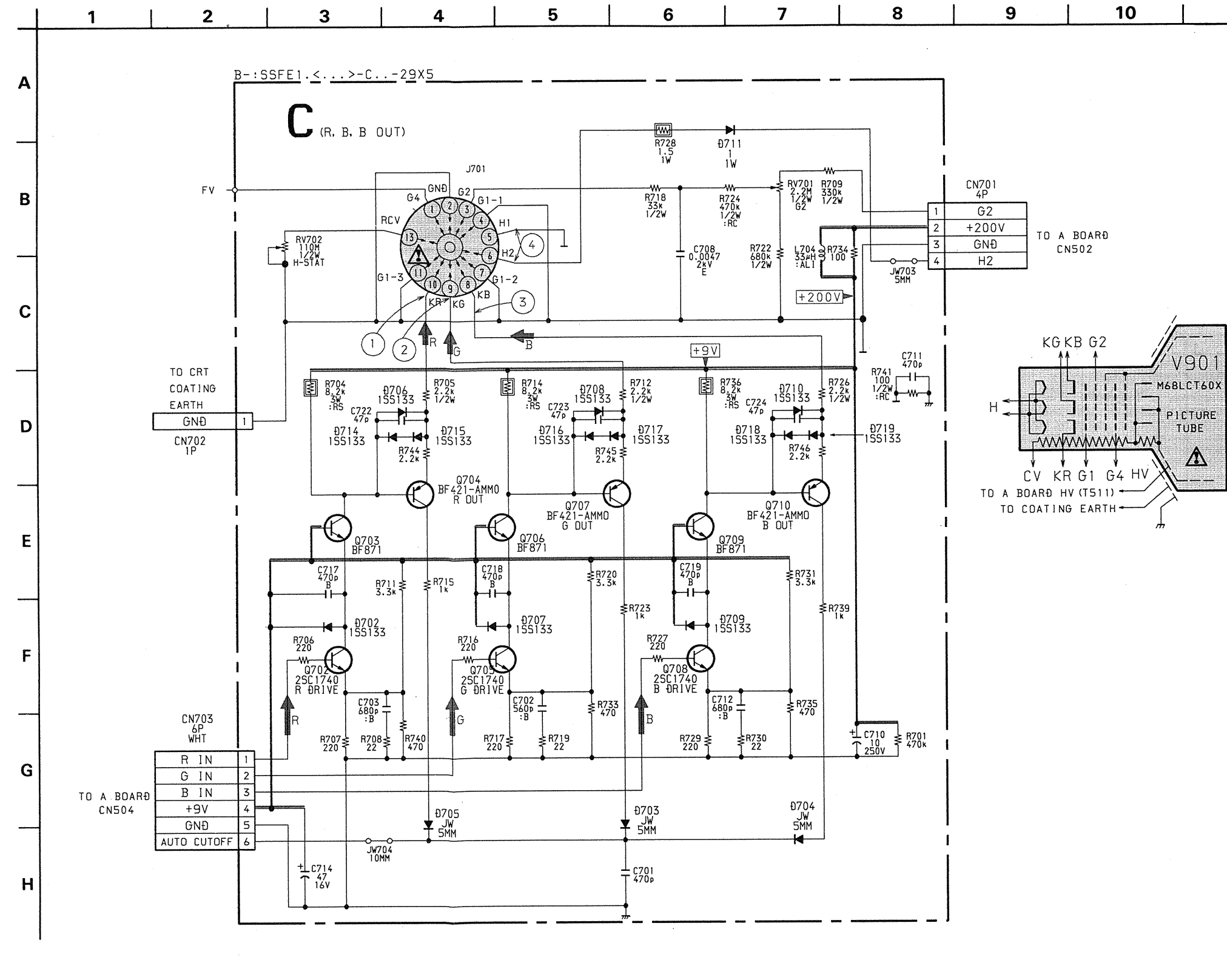
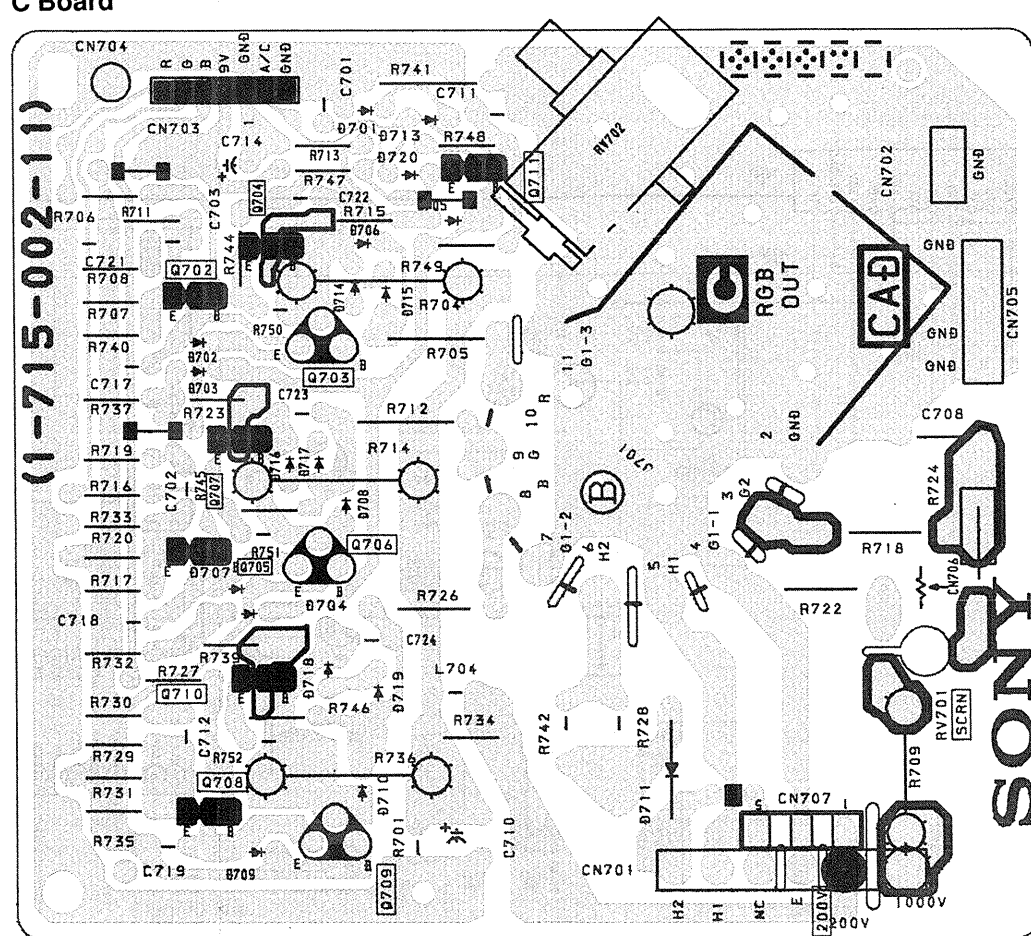
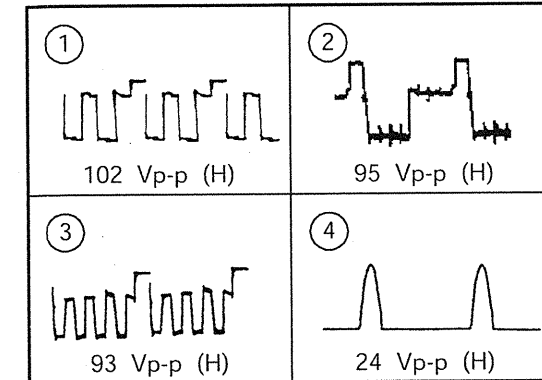
C BOARD TRANSISTOR VOLTAGE TABLE

Ref No	(B) Base	(C) Collector	(E) Emitter
Q702	1.5	8.3	1.1
Q703	8.8	169.8	8.3
Q704	169.5	1.9	209.5
Q705	1.5	8.3	1.1
Q706	8.8	170.7	8.3
Q707	170.5	1.9	215.7
Q708	1.5	8.3	1.0
Q709	8.9	171.3	8.3
Q710	171.2	1.9	206.3

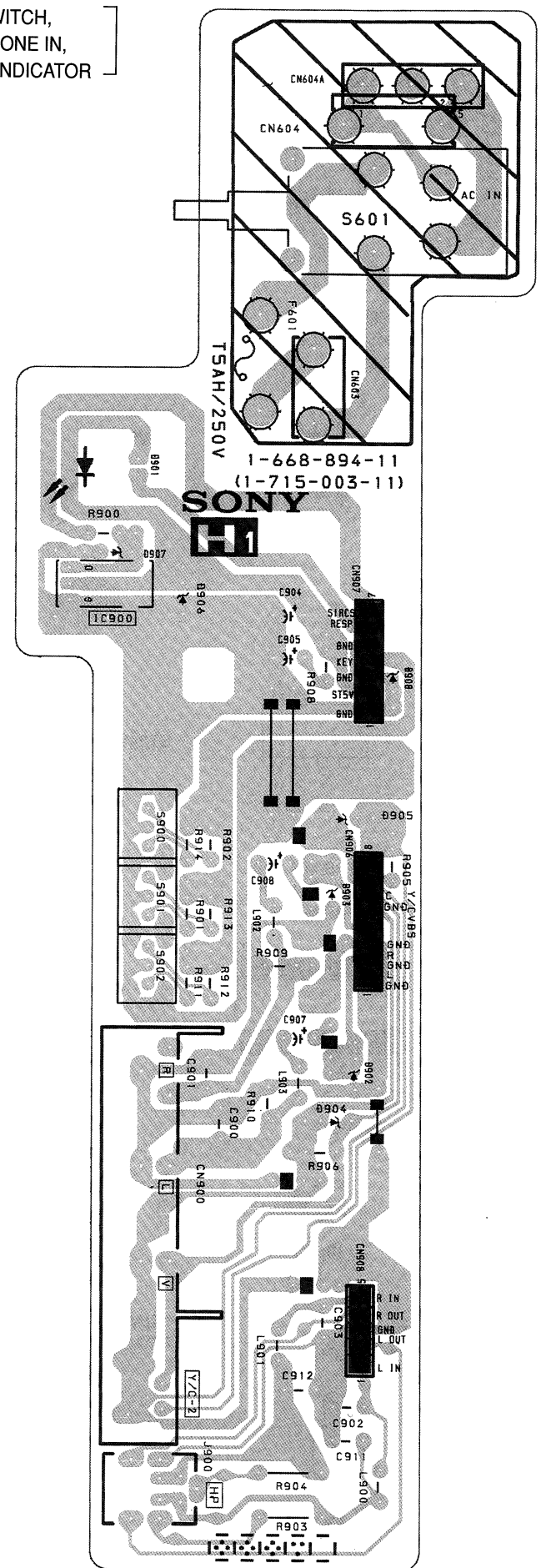
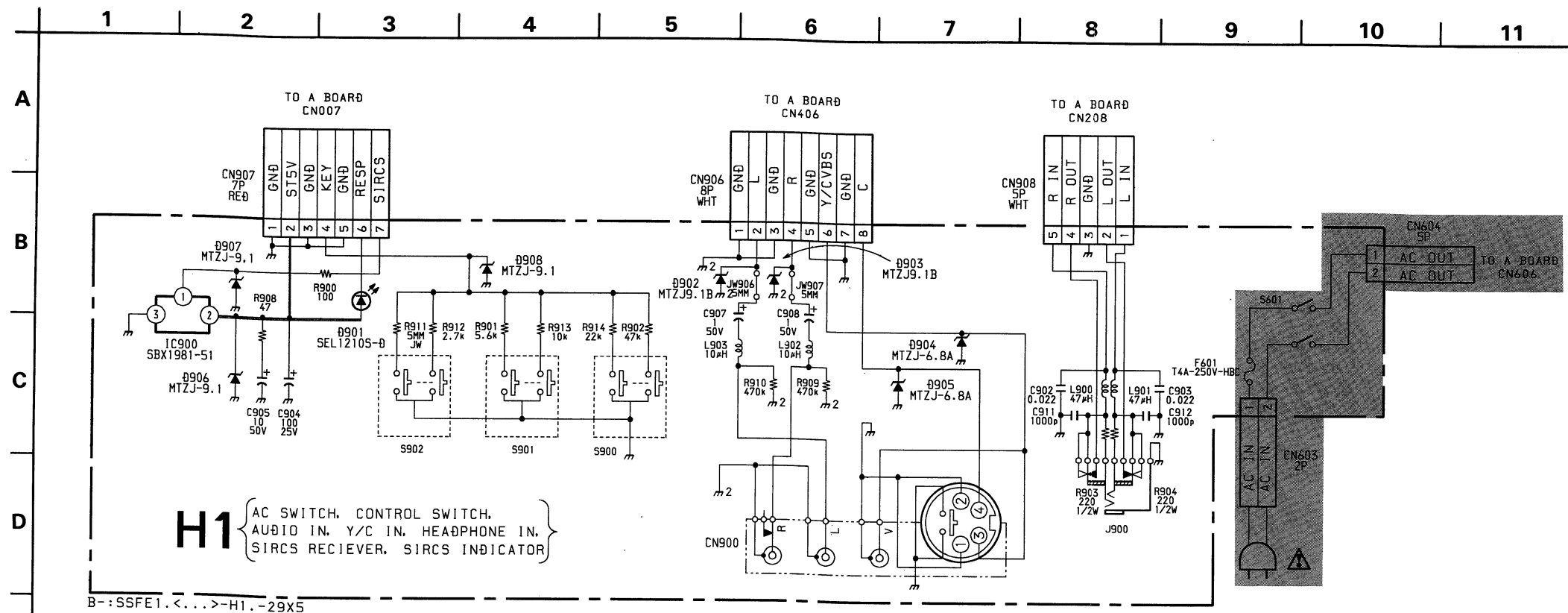
VM BOARD TRANSISTOR VOLTAGE TABLE

Ref No	Transistor Voltage Table		
	(B) Base	(C) Collector	(E) Emitter
Q1701	2.4	8.7	1.8
Q1702	2.4	6.5	1.8
Q1703	133.4	52.0	133.8
Q1704	8.7	8.5	5.8
Q1706	0.8	52.0	0.5
Q1708	5.4	2.1	5.6
Q1709	5.0	8.0	4.7
Q1710	5.6	8.0	5.0
Q1840	-0.3	4.7	-
Q1901	0.4	1.3	-
Q1902	0.4	0.3	-
Q1903	0.3	62.0	-
Q1904	-	8.0	0.1
Q1905	2.7	6.5	2.2
Q1906	4.0	68.8	3.4
Q1907	68.7	122.2	68.2
	Gate	Drain	Source
Q1841	4.7	18.0	-

WAVEFORMS C BOARD

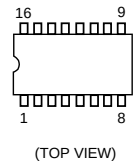


H1 AC SWITCH, CONTROL SWITCH,
AUDIO IN, Y/C IN, HEADPHONE IN,
SIRCS RECIEVER, SIRCS INDICATOR

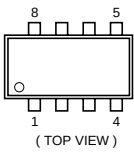


5-4 SEMICONDUCTORS

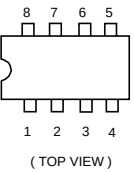
CD4052BCM



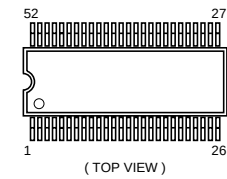
LM358DR-EZ
NJM4558M-TE2
NJM2903D



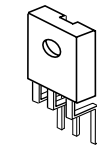
LM393P
TDA2822M
TEA2124



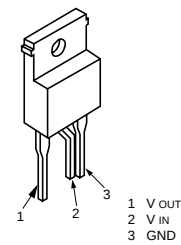
SAA5497PS/MIA/038
SAA5497PS/MIA/039
SAA5497PS/MIA040



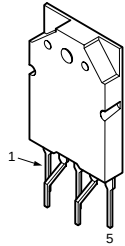
SBX1981-51



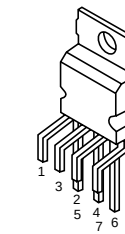
SE-135N
SE135N-LF12



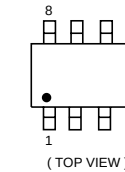
STR-F6654



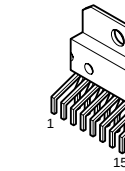
STV9379



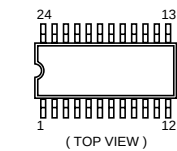
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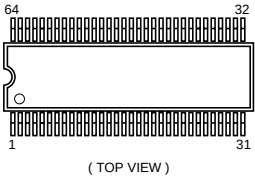
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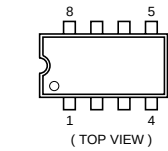
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TDA9817-V1



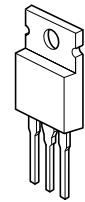
TDA9875
TDA9870



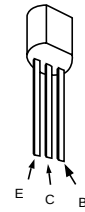
TOP209P



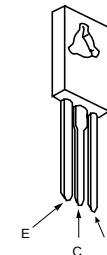
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TYA7809CTV



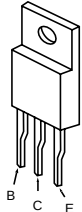
BF421-AMMO
2SA1091-O



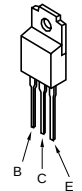
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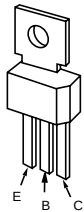
2SA1837



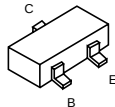
2SC4793



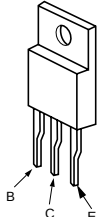
BF871-127



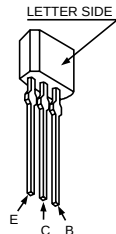
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DTA144ESA-TP
DTC114EK
DTC114EKA-T146
DTC143TKA-T146
DTC144EKA-T-146R
2SA1037K-T-146-
R2SA1162-G
2SC2412K-QR
2SC2412K-T-146-R



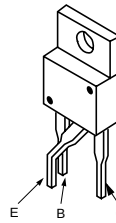
IRF614



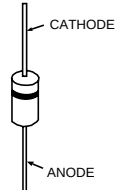
2SA933AS-QRT
2SA933AS-RT
2SC1740S-RT



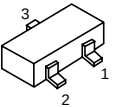
2SK2251-01-F19



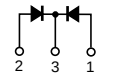
AK04-V1
AU-012-V1
BYD33G
BYD33G-
AMMO
DINL20-TR
ERB44-06TP1
EG-1Z-V1
EL1Z
ERD28-06S



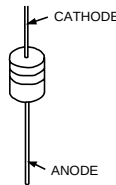
ERD28-08S
ERC06-15
FMN-G12S
RG1CLF-B1
RGP10GPKG23
RU3YX-LF-C4
RU3YX-V1
RU-4AM-T3
1SS292T-77



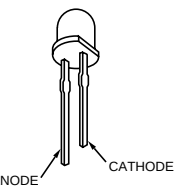
DAN202K
DAN202K-T146



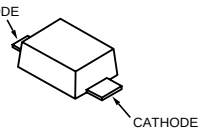
ERA81-004TP1
ERA83-006
MTZJ-T-77-3.9B
MTZJ-T-77-5.6B
MTZJ-T-77-5.6C
MTZJ-T-77-6.8A
MTZJ-T-77-6.8C
MTZJ-T-77-7.5C
MTZJ-T-77-9.1A
MTZJ-T-77-9.1A
MTZJ-T-77-10



SEL12108-D



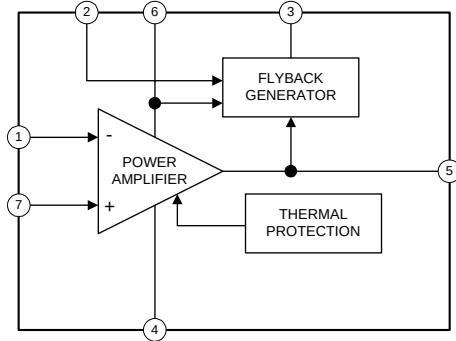
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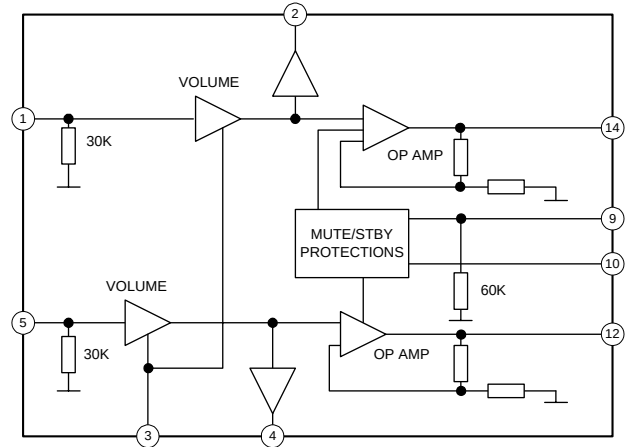
MTZJ-T-77-33A
MTZJ-33C
MTZJ-7.5B
RD3.9ES-B2
RD5.6ESB2
RD6.8ES-B2
RD7.5ESB2
RD9.1ES-B3
1SS119-25TD
1SS133T-77

5-5. IC BLOCK DIAGRAMS

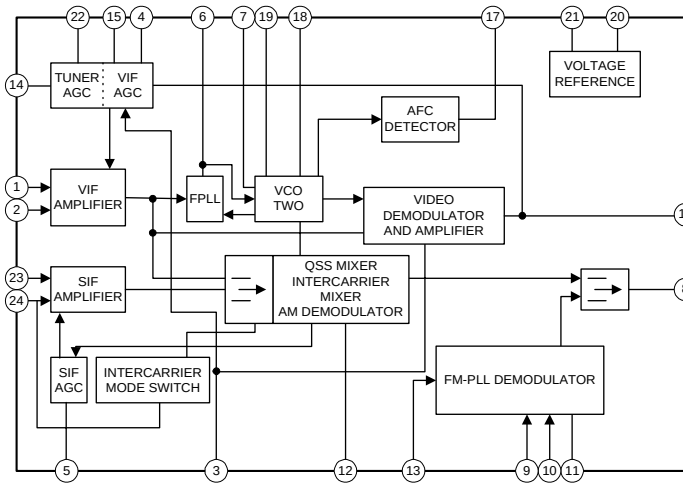
A BOARD IC501 STV 9379



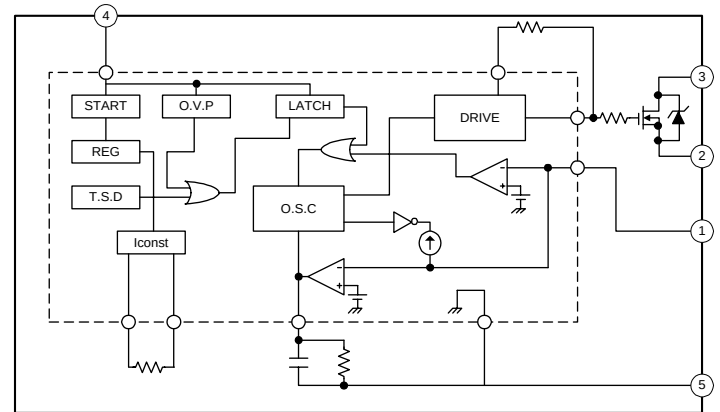
A BOARD IC201 TDA7495



A BOARD IC101 TDA9817/V1



A BOARD IC606 STR-F6654



A BOARD IC301 CXA2060AS

