

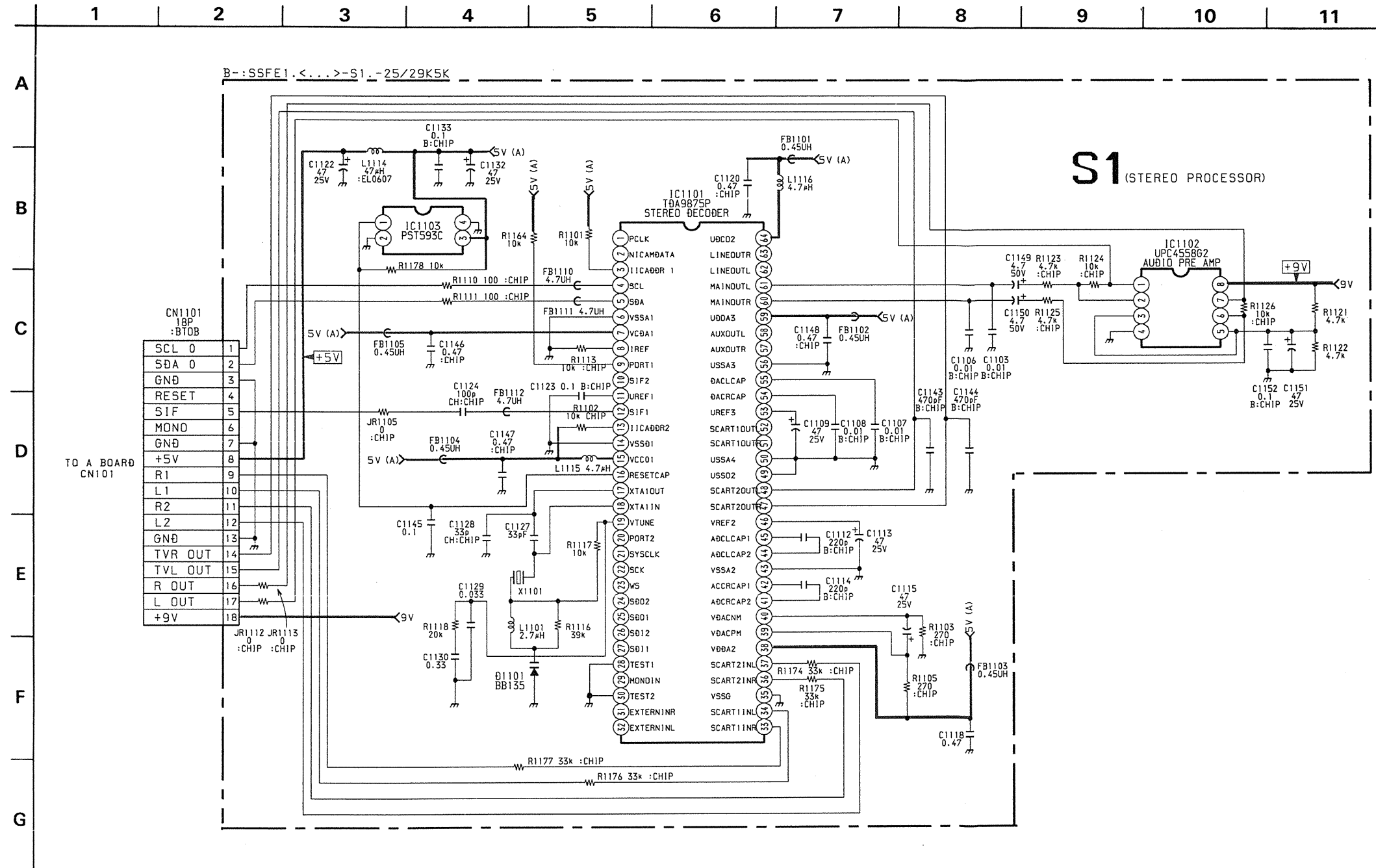
SERVICE MANUAL

FE-1 CHASSIS

MODEL	COMMANDER	DEST	CHASSIS NO.	MODEL	COMMANDER	DEST	CHASSIS NO.
KV-25K5K	RM-883	OIRT	SCC-Q03M-A	KV-29K5K	RM-883	OIRT	SCC-Q03N-A

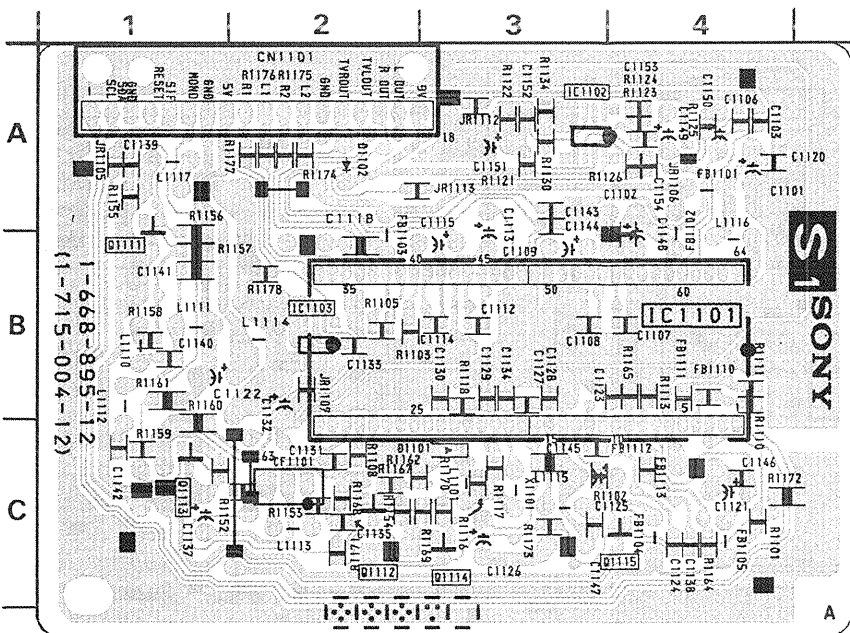


TRINITRON® COLOR TV
SONY®

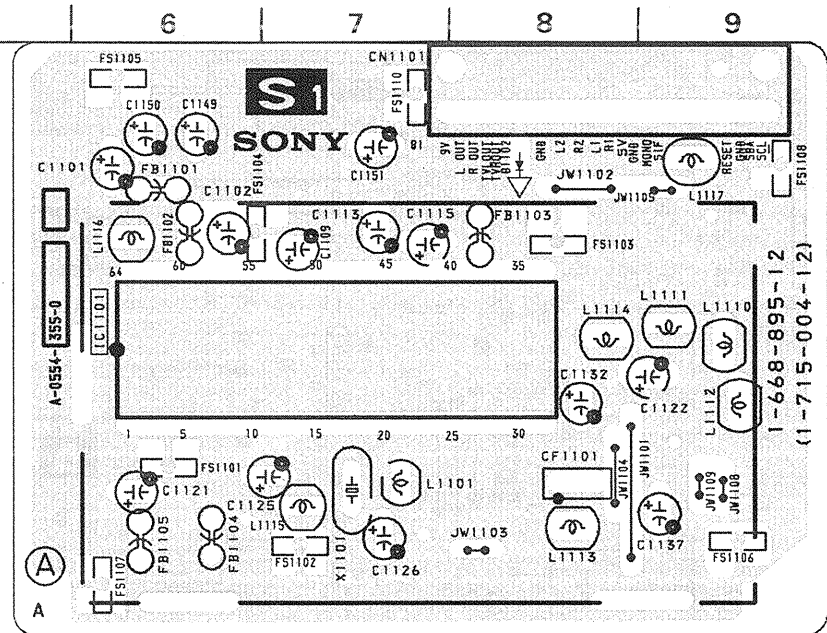


S1 [STEREO PROCESSOR]

S1 Board < Conductor Side >



S1 Board < Component Side >

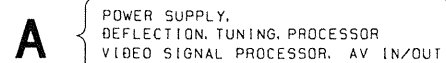


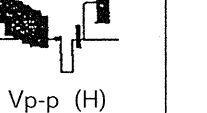
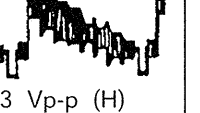
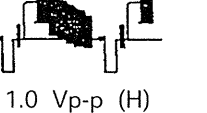
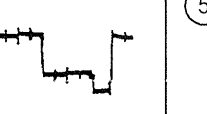
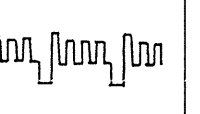
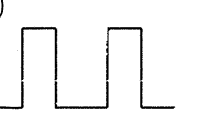
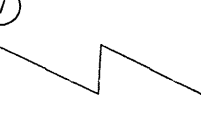
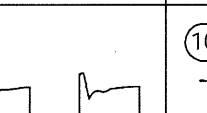
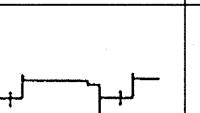
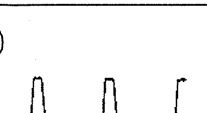
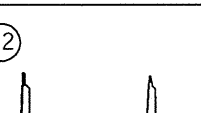
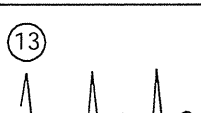
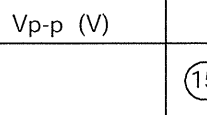
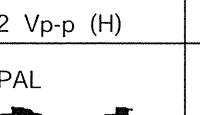
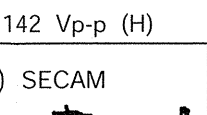
S1 BOARD IC VOLTAGE TABLE

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
	64	4.8
IC1102	1	4.5
	2	4.1
	3	4.5
	6	4.3
	7	3.5
	8	9.0

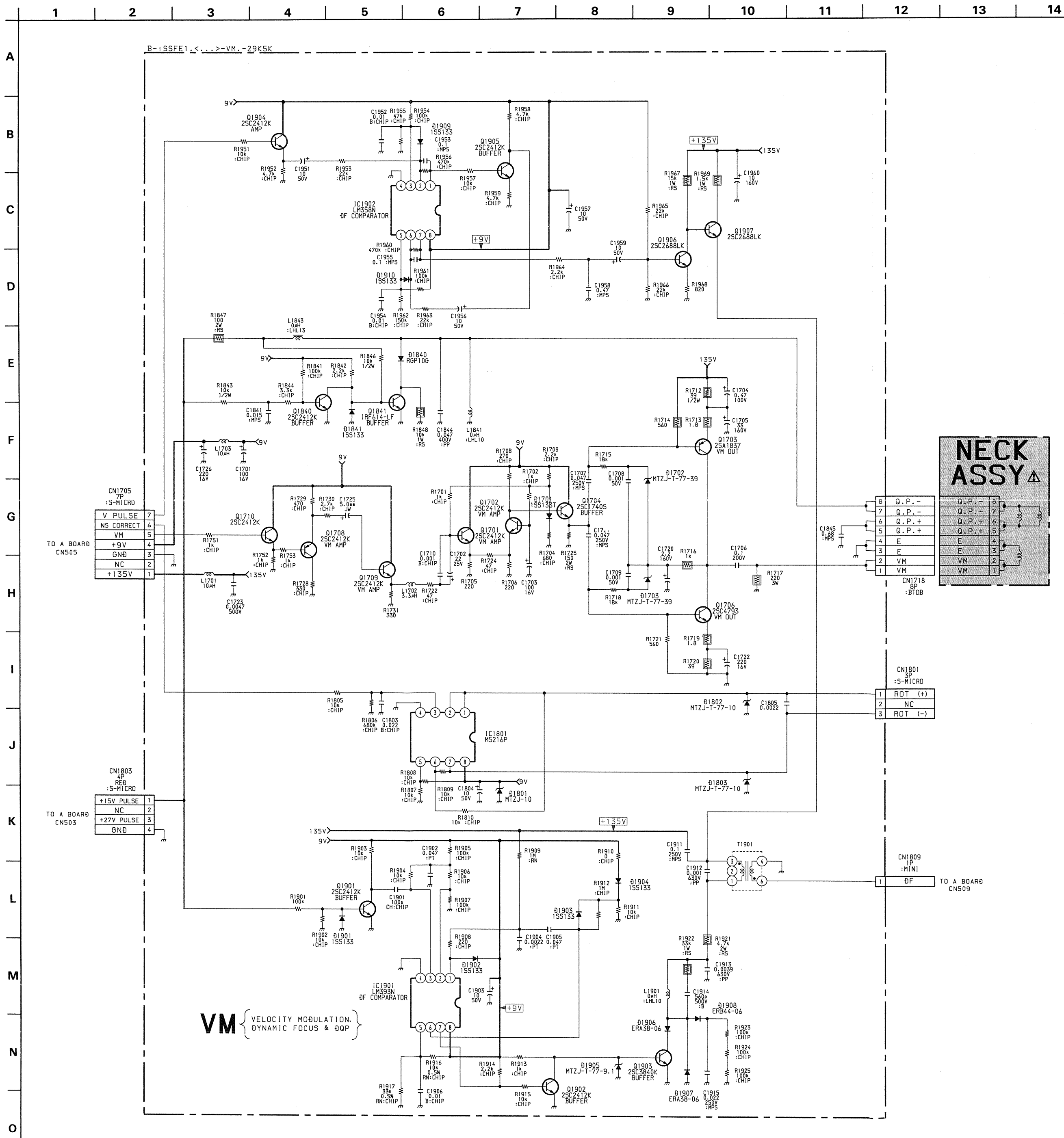
S1 BOARD TRANSISTOR VOLTAGE TABLE

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

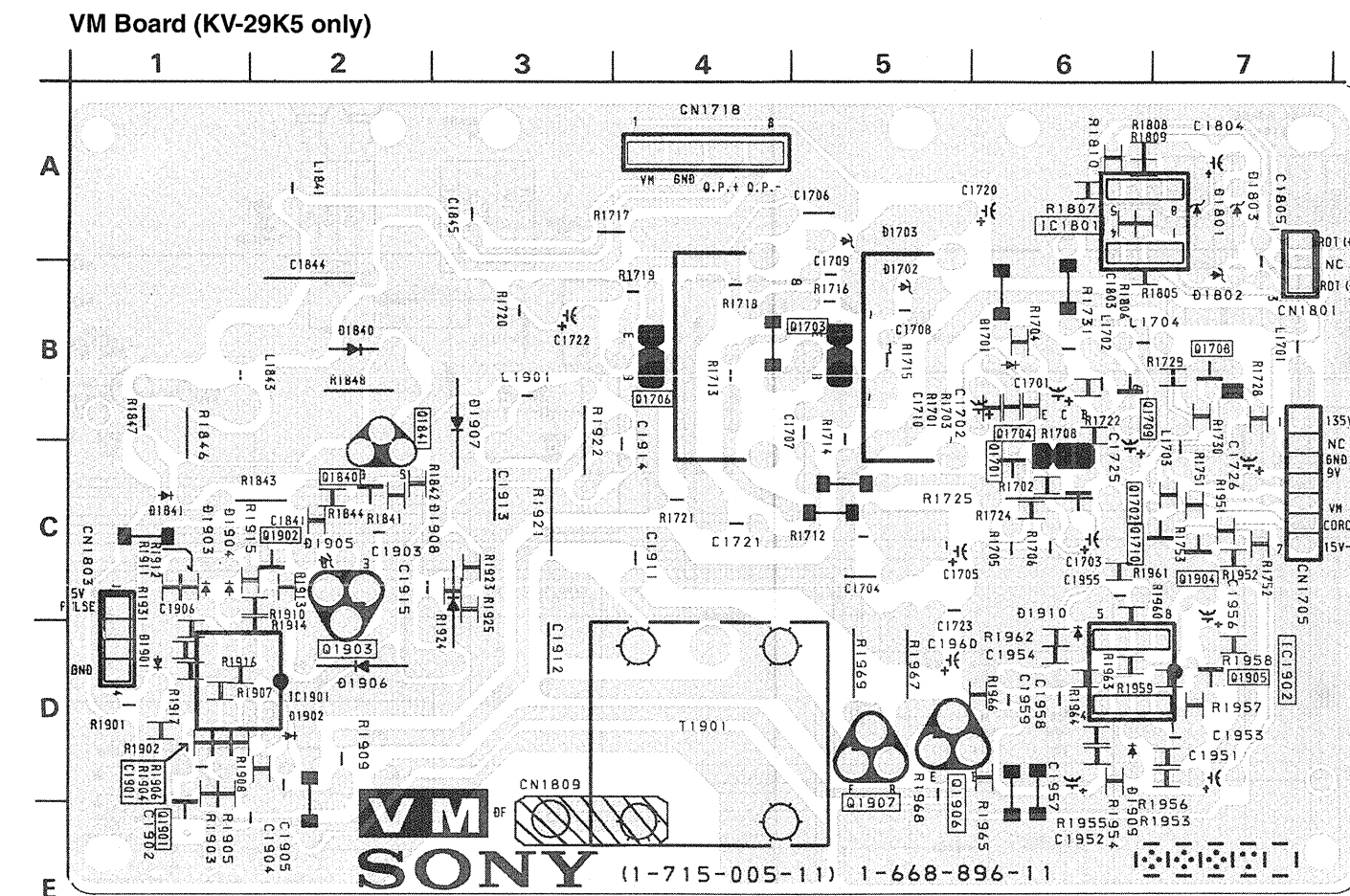


① PAL  1.0 V_{p-p} (H)	① SECAM  1.3 V_{p-p} (H)	② PAL  1.0 V_{p-p} (H)	② SECAM  1.3 V_{p-p} (H)	③  2.6 V_{p-p} (H)
④  2.6 V_{p-p} (H)	⑤  0.5 V_{p-p} (H)	⑥  5.0 V_{p-p} (H)	⑦  1.4 V_{p-p} (H)	⑧  2.0 V_{p-p} (H)
⑨  146 V_{p-p} (V)	⑩  12 V_{p-p} (H)	⑪  142 V_{p-p} (H)	⑫  56 V_{p-p} (V)	⑬  290 V_{p-p} (H)
⑭  1.1KV_{p-p} (H)	⑮ PAL  2.4 V_{p-p} (H)	⑮ SECAM  3.0 V_{p-p} (H)		

Ref	25K5K	29K5K
C010	-	0.47MF
C028	-	1.00PF
C533	-	0.047MF
C555	17000PF	15000PF
CN503	-	4P
CN505	-	7P
CN509	-	1P
L537	1-409-756-11	1-409-855-11
Q013	-	2SC3052-EF
R030	-	22K
R078	-	4.7K
R089	-	22K
R090	-	2.2K
R091	-	22K
R092	-	10K
R517	27K	10K
R521	680K	1M
R534	220K	470K
R535	330K	150K
R541	82K	100K
R546	47	1.5K
R547	LEAD JUMPER (7.5MM)	1.5K
R573	150K	100K
T511	NX-1680/U2B4	NX-1681/U2B4



VM [VELOCITY MODULATION
DYNAMIC FOCUS & QP] (KV-29K5 only)



VM BOARD IC VOLTAGE TABLE

Ref No	Pin No	Voltage (V)
IC1801	1-3	5.0
	5-6	4.3
	7	3.7
	8	8.0
IC1901	1	1.7
	2	4.0
	3	4.5
	5	6.7
	6	6.8
	7	3.6
	8	8.0
	1-3	2.8
IC1902	5-6	5.2
	7	5.0
IC1841	1-3	2.8
	7	5.0

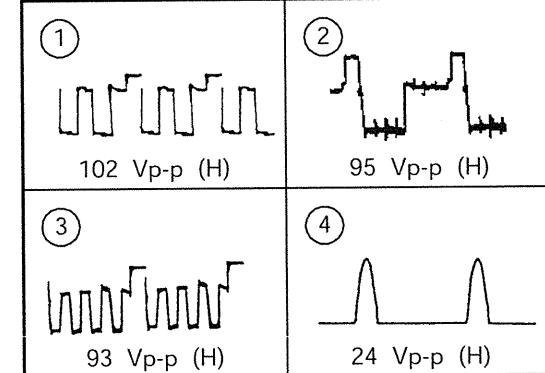
VM BOARD TRANSISTOR VOLTAGE TABLE

Ref No	(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	5.0	2.1	5.6
Q1709	5.4	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
Q1841	Gate	Drain	Source
	4.7	18.0	-

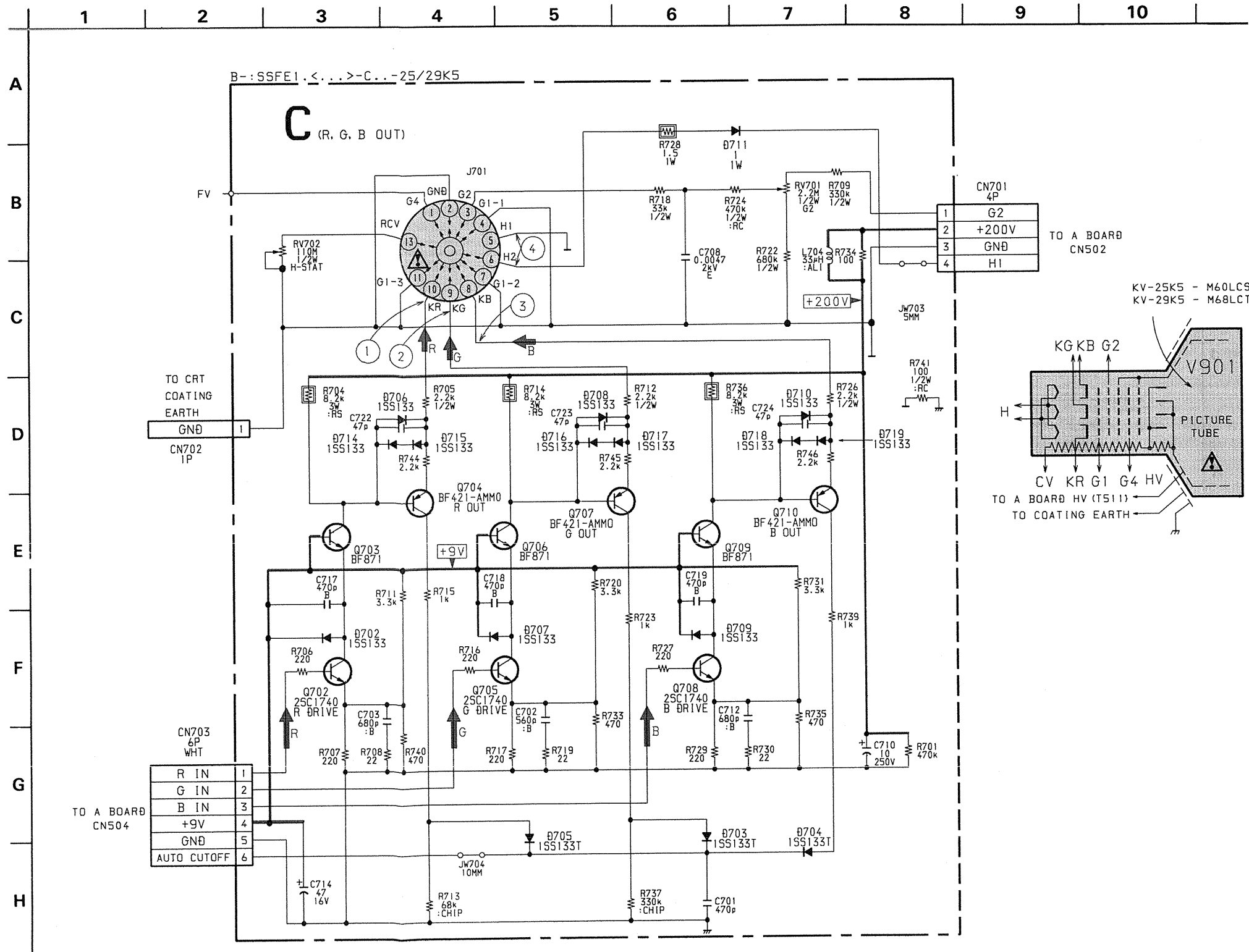
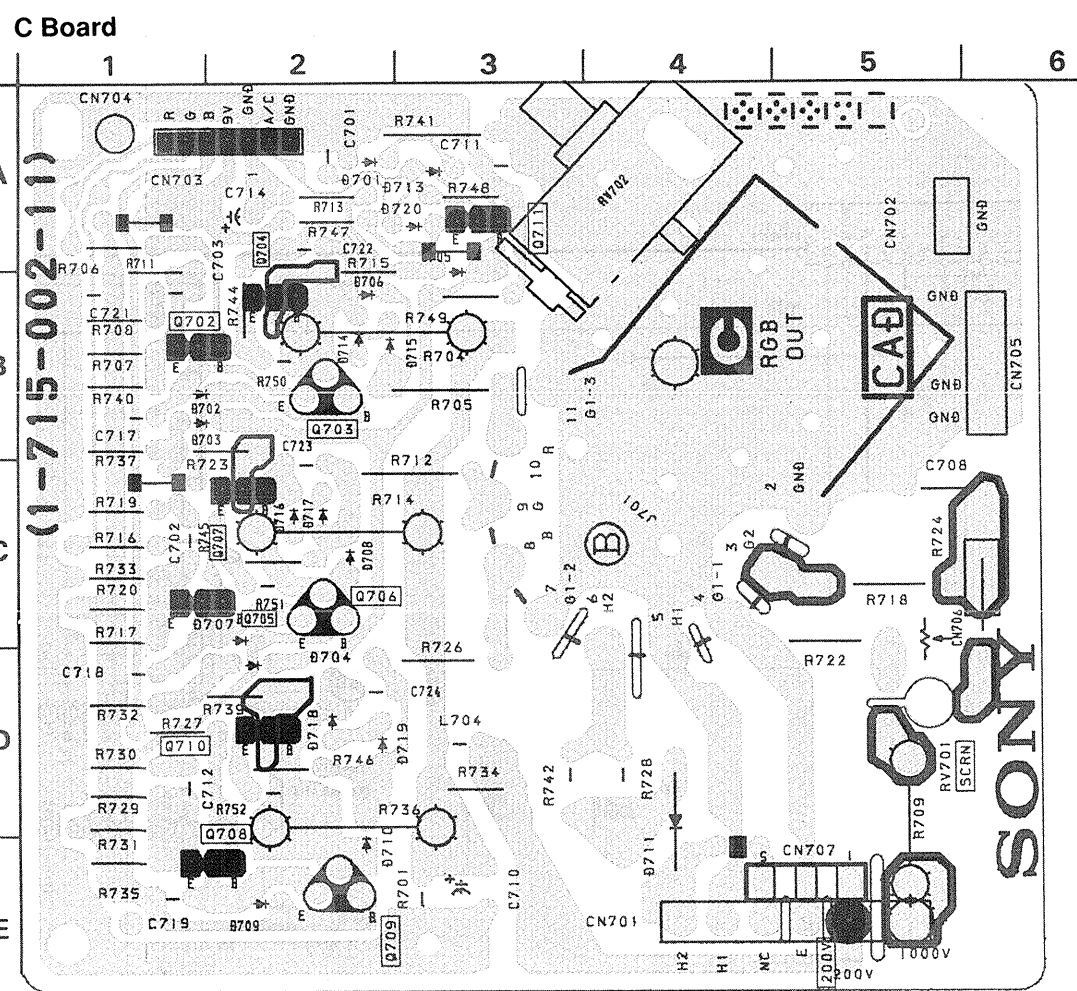
C BOARD TRANSISTOR VOLTAGE TABLE

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
Q709	8.9	171.3	8.3
Q710	171.2	1.9	208.3

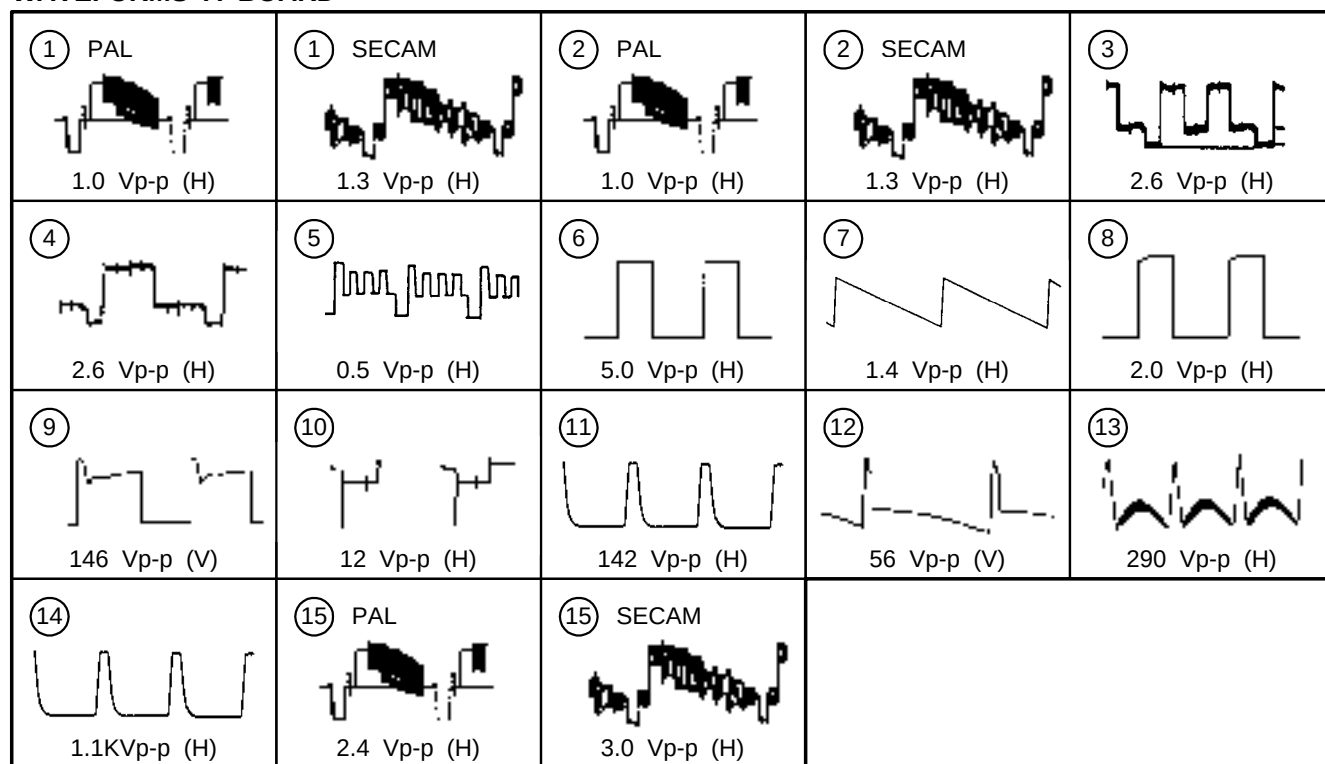
WAVEFORMS C BOARD



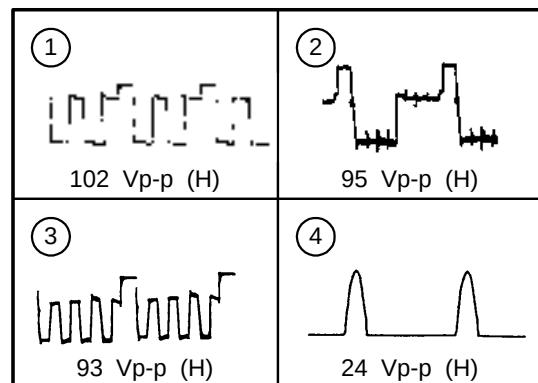
C [RGB OUT]



WAVEFORMS A BOARD

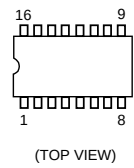


WAVEFORMS C BOARD

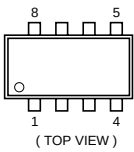


5-4 SEMICONDUCTORS

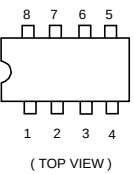
CD4052BCM



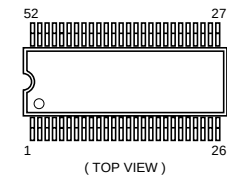
LM358DR-EZ
NJM4558M-TE2
NJM2903D



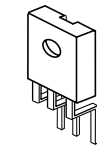
LM393P
TDA2822M
TEA2124



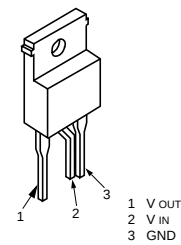
SAA5497PS/MIA/038
SAA5497PS/MIA/039
SAA5497PS/MIA040



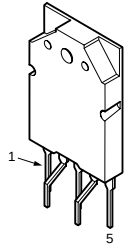
SBX1981-51



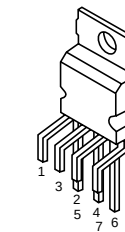
SE-135N
SE135N-LF12



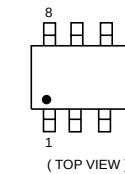
STR-F6654



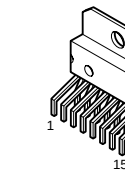
STV9379



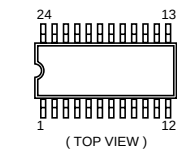
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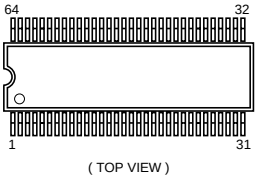
TDA7495



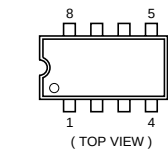
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TDA9817-V1



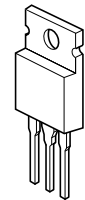
TDA9875
TDA9870



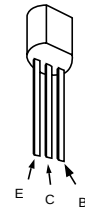
TOP209P



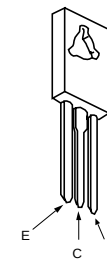
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TYA7809CTV



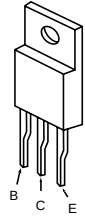
BF421-AMMO
2SA1091-O



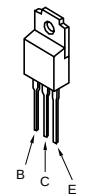
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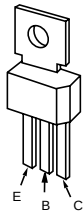
2SA1837



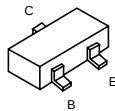
2SC4793



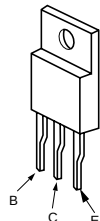
BF871-127



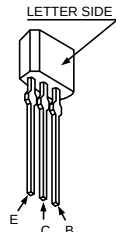
DTA144ESA
DTA144ESA-TP
DTC114EK
DTC114EKA-T146
DTC143TKA-T146
DTC144EKA-T-146R
2SA1037K-T-146-
R2SA1162-G
2SC2412K-QR
2SC2412K-T-146-R



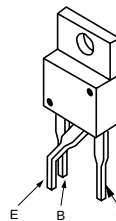
IRF614



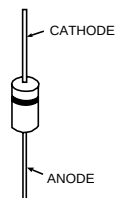
2SA933AS-QRT
2SA933AS-RT
2SC1740S-RT



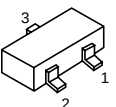
2SK2251-01-F19



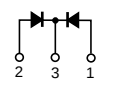
AK04-V1
AU-012-V1
BYD33G
BYD33G-
AMMO
DINL20-TR
ERB44-06TP1
EG-1Z-V1
EL1Z
ERD28-06S



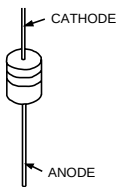
ERD28-08S
ERC06-15
FMN-G12S
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RGP10GPKG23
RU3YX-LF-C4
RU3YX-V1
RU-4AM-T3
1SS292T-77



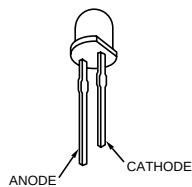
DAN202K
DAN202K-T146



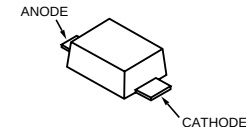
ERA81-004TP1
ERA83-006
MTZJ-T-77-3.9B
MTZJ-T-77-5.6B
MTZJ-T-77-5.6C
MTZJ-T-77-6.8A
MTZJ-T-77-6.8C
MTZJ-T-77-7.5C
MTZJ-T-77-9.1A
MTZJ-T-77-9.1A
MTZJ-T-77-10



SEL12108-D



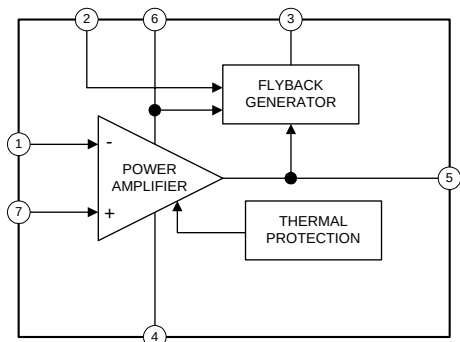
UF4005PK623



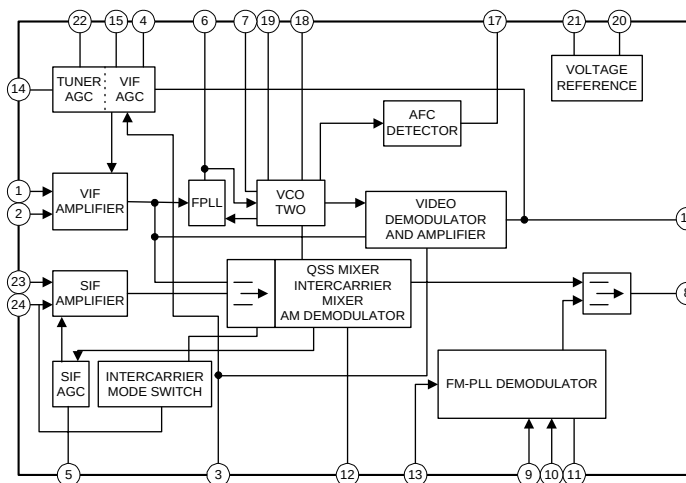
MTZJ-T-77-33A
MTZJ-33C
MTZJ-7.5B
RD3.9ES-B2
RD5.6ESB2
RD6.8ES-B2
RD7.5ESB2
RD9.1ES-B3
1SS119-25TD
1SS133T-77

5-5. IC BLOCK DIAGRAMS

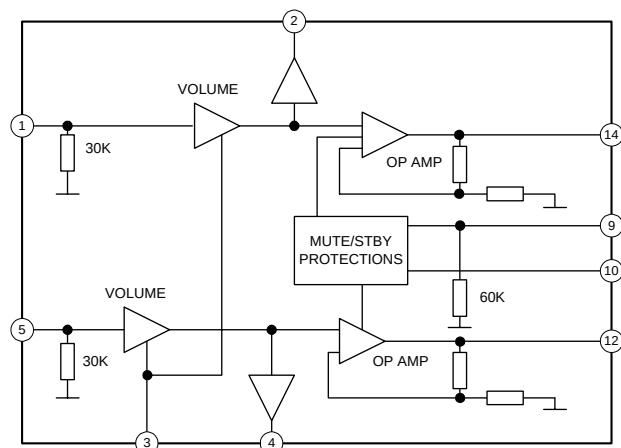
A BOARD IC501 STV 9379



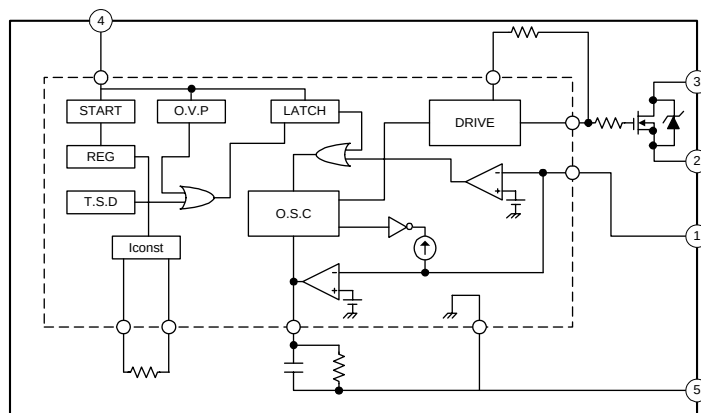
A BOARD IC101 TDA9817/V1



A BOARD IC201 TDA7495



A BOARD IC606 STR-F6654



A BOARD IC301 CXA2060AS

