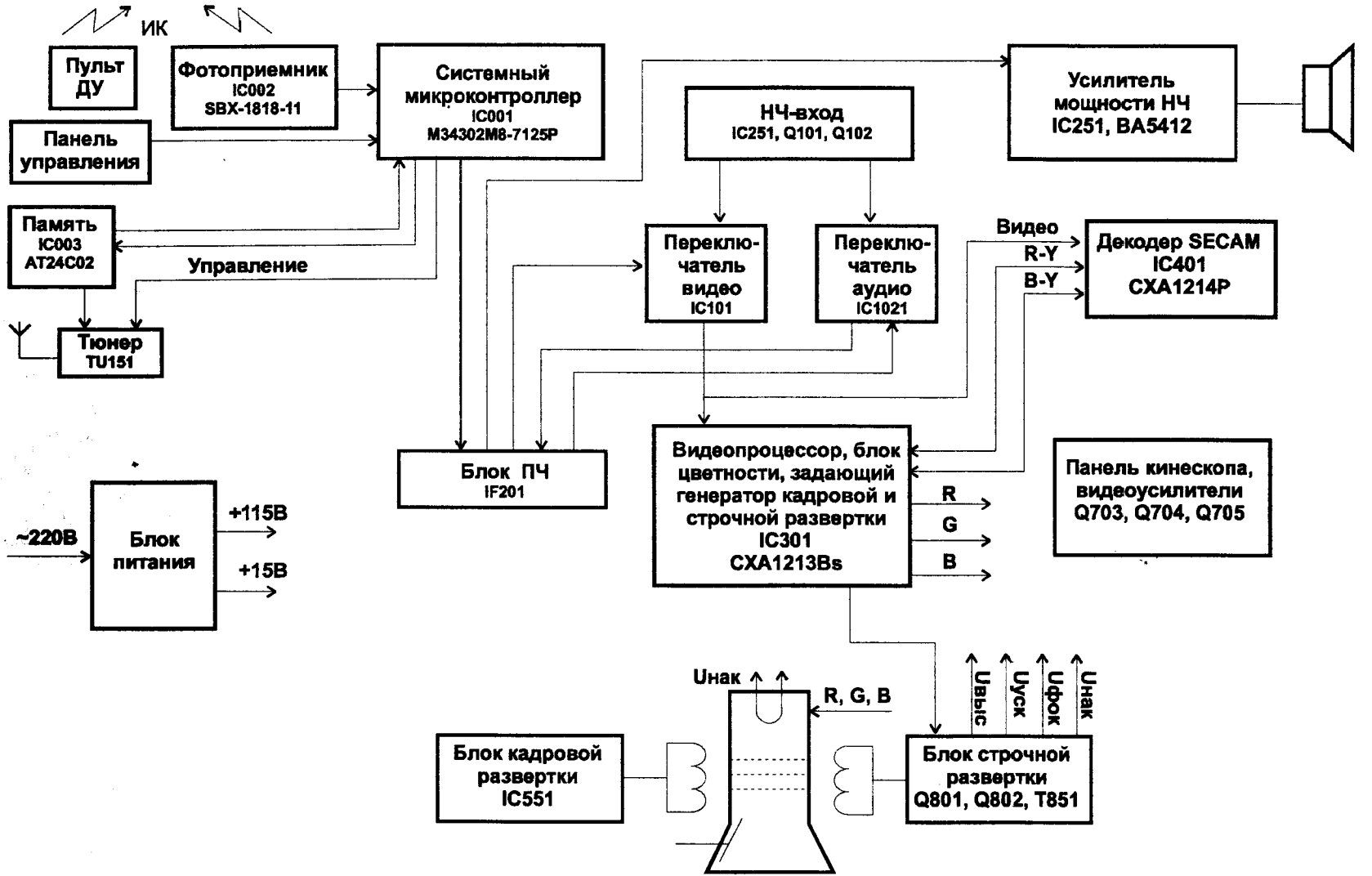
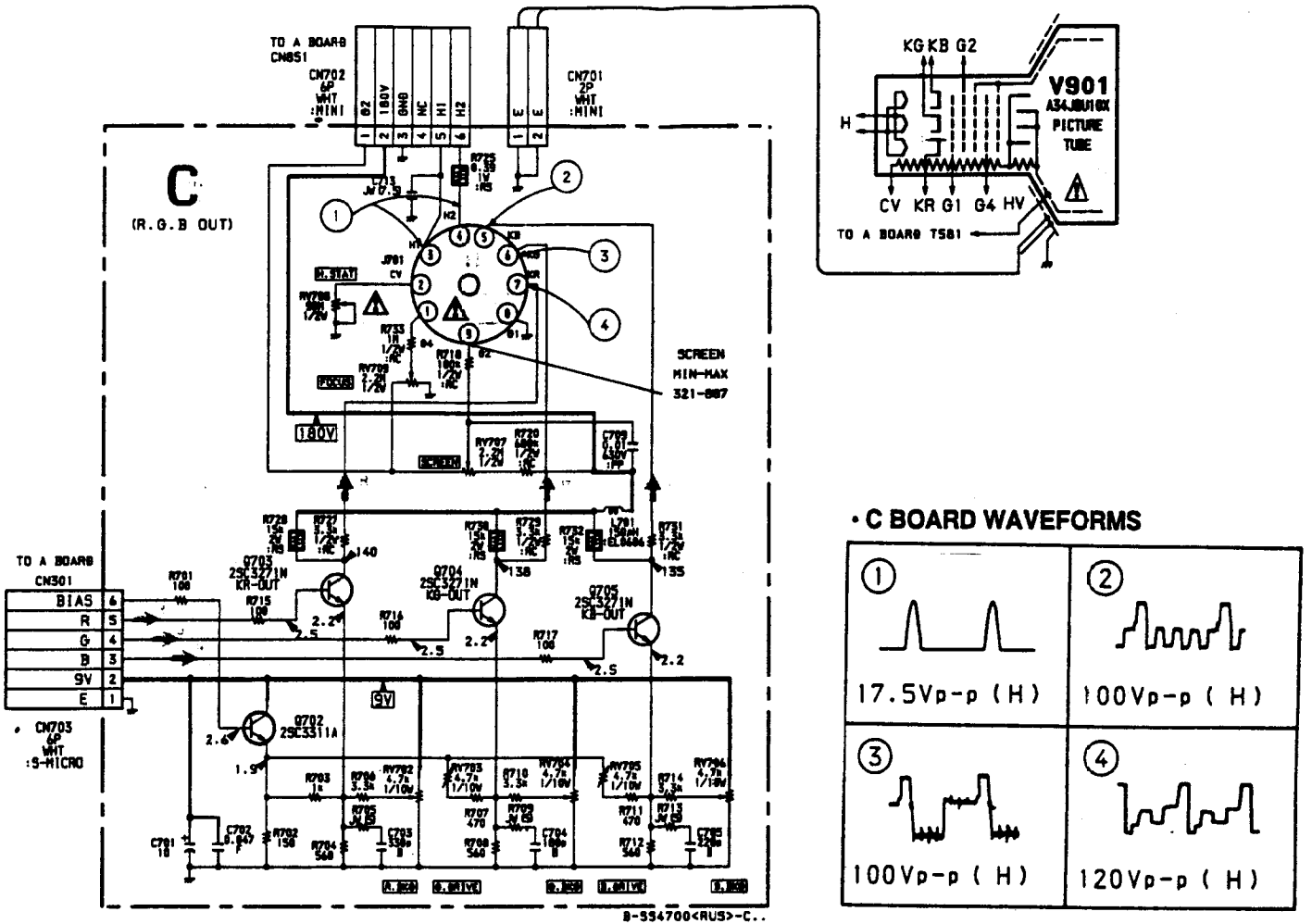
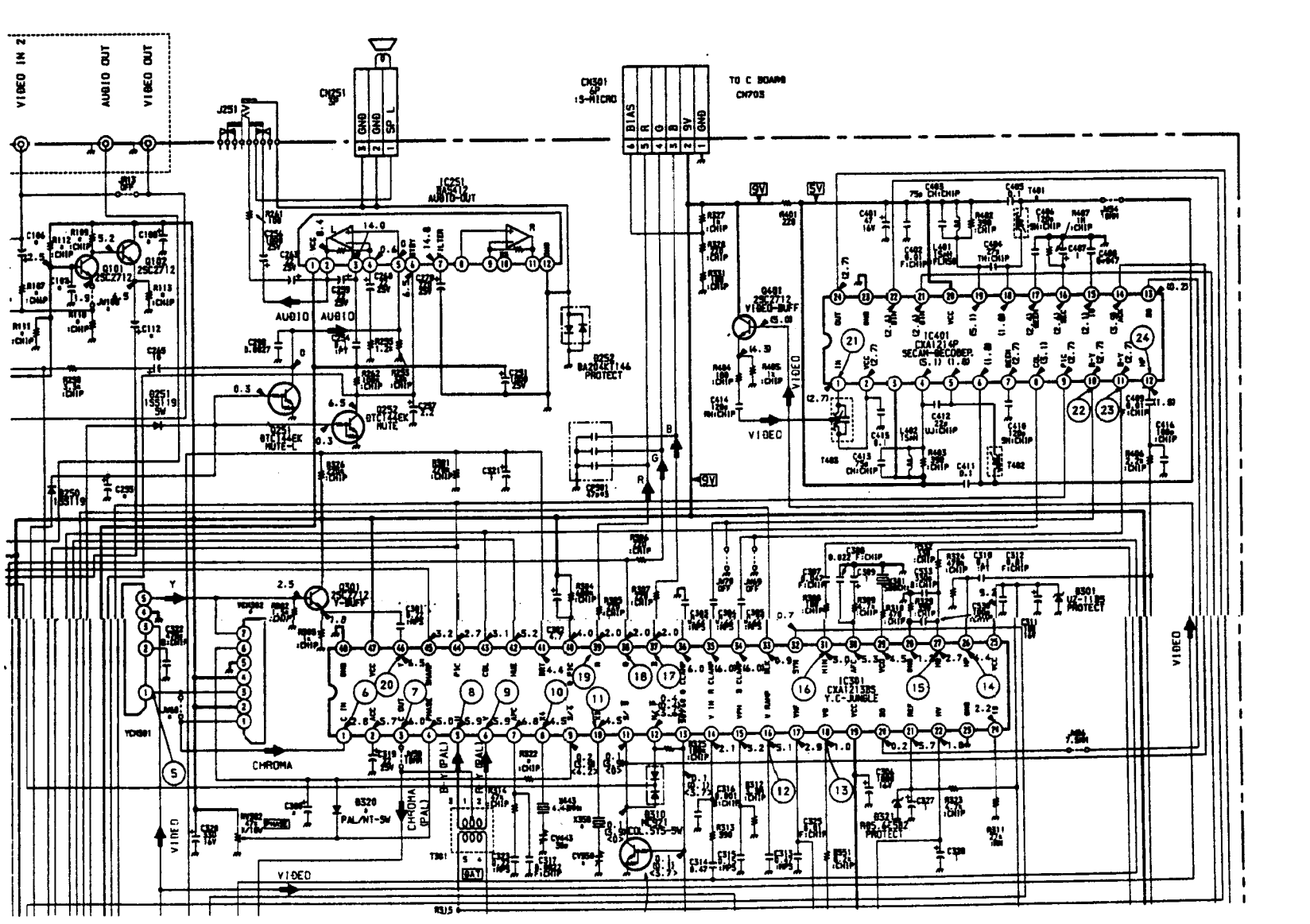

ИК
Пульт ДУ
Фотоприемник IC002 SBX-1818-11
Системный микроконтроллер IC001 M34302M8-7125P
Усилитель мощности НЧ IC251, BA5412
Панель управления
НЧ-вход IC251, Q101, Q102
Память IC003 AT24C02
Управление
Переключатель видео IC101
Переключатель аудио IC1021
Видео
R-Y
B-Y
Декодер SECAM IC401 CXA1214P
Тюнер TU151
Блок ПЧ IF201
Видеопроцессор, блок цветности, задающий генератор кадровой и строчной развертки IC301 CXA1213Bs
R
G
B
Панель кинескопа, видеоусилители Q703, Q704, Q705
~220В
Блок питания
+115В
+15В
Uнак
R, G, B
Uвыс
Uуск
Uфок
Uнак
Блок кадровой развертки IC551
Блок строчной развертки Q801, Q802, T851

14 inch



• C BOARD WAVEFORMS


VIDEO IN 2
AUDIO OUT
VIDEO OUT
CN251
GND
GND
SP L
J251
CN301
TO C BOARD
CN703
BIAS
R
G
B
9V
GND
IC251
AUDIO OUT
AUDIO
AUDIO
Q101
2SC2712
Q102
2SC2712
D259
BA20CT144
PROTECT
Q251
DTC124EK
MUTE-L
Q252
DTC124EK
MUTE
D251
1SS119
5V
IC401
CXA1214P
SECAM-DECODER
Q401
2SC2712
VIDEO-BUFF
VIDEO
VIDEO
Q301
2SC2712
Y-BUFF
Y
IC301
CXA2138S
Y/C-JUNGLE
CHROMA
CHROMA (PAL)
PAL/NT-SW
D320
VIDEO
VIDEO
IC-L1185
PROTECT
D321
RD5.6EZ
PROTECT
RD5

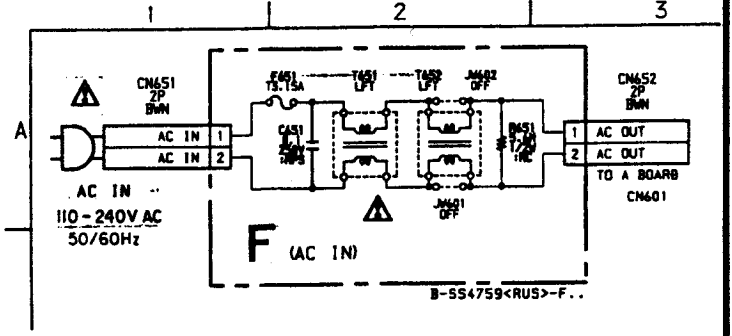
A BOARD * MARK

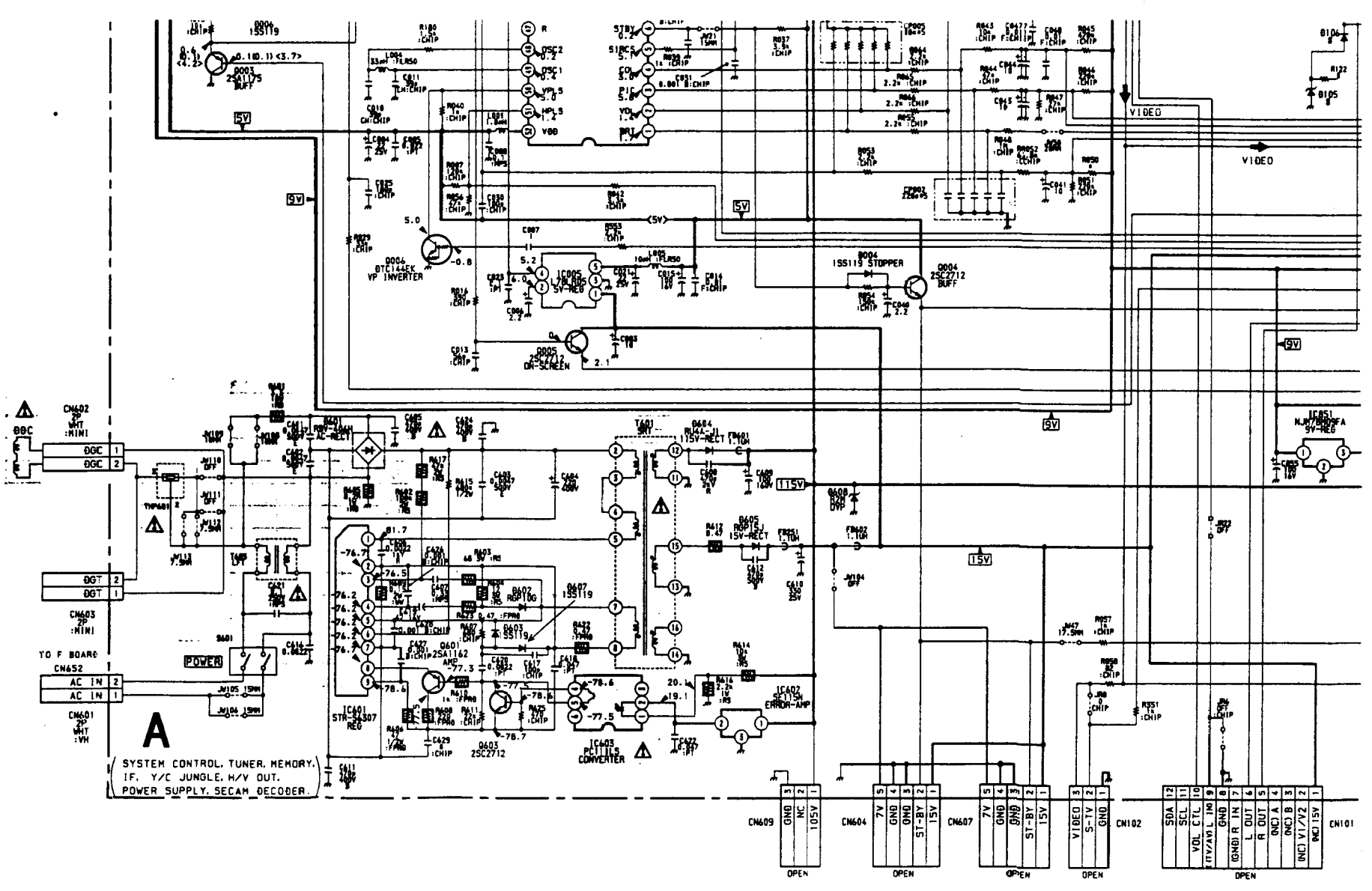
Ref. No.	Location	KV-1487MT	KV-14DK2
C045	D-6	1	-
C102	B-8	0.15	-
C103	B-8	220/16V	-
C105	C-8	0.15	-
C106	B-9	220/16V	-
C107	B-9	10	-
C108	B-10	100/16V	-
C110	E-8	10	-
C111	E-9	47/16V	-
C112	B-10	47/16V	-
C115	C-8	180P	-
C116	D-9	220/16V	-
C117	E-9	0.47	-
C212	C-8	4.7	JW (5.0)
C268	C-9	0	-
C380	E-11	100/16V	-
CV358	E-12	30P	-
D003	E-5	1SS119	-
D012	C-3	1SS119	-
D013	C-4	-	1SS119
D014	E-5	1SS119	-
D107	D-9	1SS119	-
D320	E-11	1SS119	-
IC101	D-8	LA7016	-
IC102	E-8	LA7016	-
IC104	C-8	μPC4558C	-
IC551	G-12	LA7830	TA8403K
IF201	B-6	IFD-380A	IFC-380SR
J101	A-8	4P	-
J102	A-9	2P	-
JR2	D-3	-	0 : CHIP
JR9	D-8	-	0 : CHIP

Ref. No.	Location	KV-1487MT	KV-14DK2
JR10	E-9	-	0 : CHIP
JR19	B-8	3.3k : CHIP	-
JW60	D-10	-	5MM
JW71	D-8	7.5MM	-
JW98	C-9	12.5MM	-
JW100	B-10	10MM	-
Q101	B-9	2SC2712	-
Q102	B-10	2SC2712	-
Q103	E-9	2SA1162	-
R035	D-6	100k	-
R050	G-7	22k	47K
R102	B-8	56k	-
R103	B-8	82	-
R105	B-9	56k	-
R106	B-9	82	-
R107	B-9	470	-
R108	B-9	470	-
R109	B-10	1k	-
R110	C-9	470	-
R111	C-9	3.9k	-
R112	B-10	10k	-
R113	B-10	2.2k	-
R114	D-9	82	-
R115	D-9	680	-
R116	C-9	680	-
R117	C-9	68	-
R119	C-9	39k	-
R121	C-8	39k	-
R123	E-9	1k	-
R322	E-12	22k	-
X358	E-13	O	-
YCM302	D-10	O	-

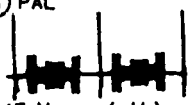
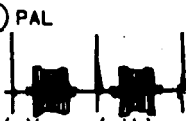
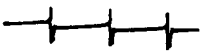
O:TO BE MOUNT

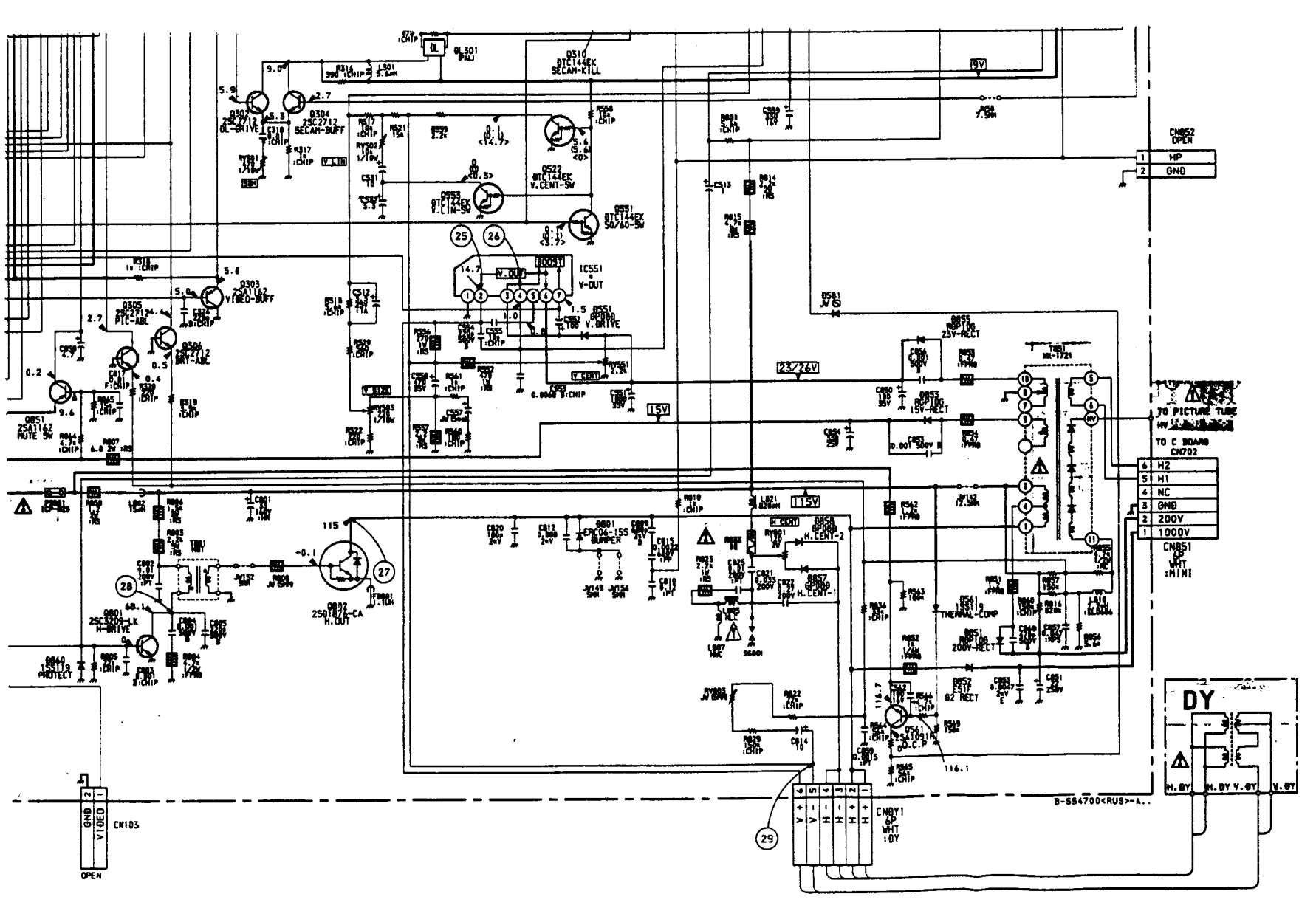
-: NOT MCUNT



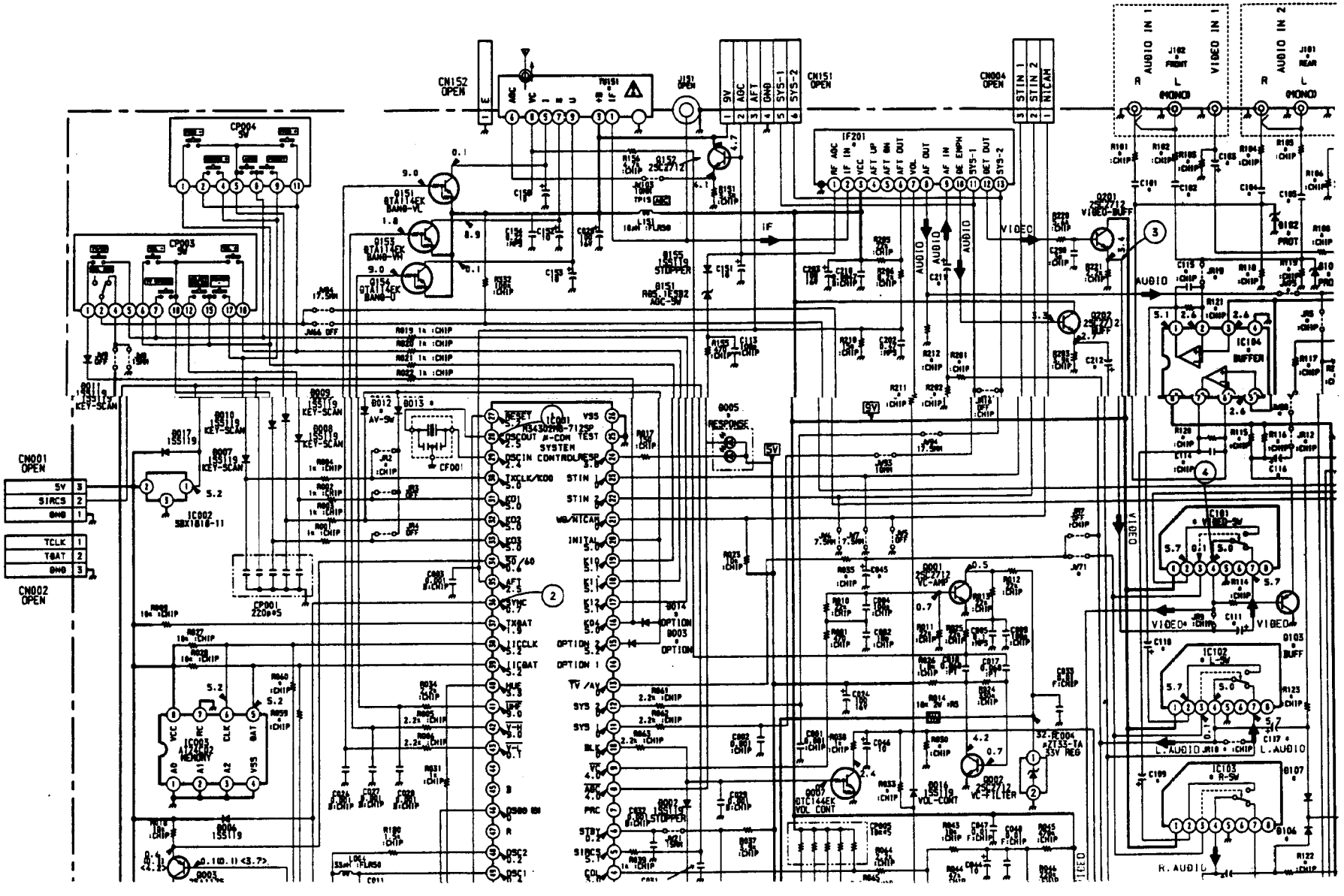

A
SYSTEM CONTROL, TUNER, MEMORY, IF, Y/C JUNGLE, H/V OUT, POWER SUPPLY, SECAM DECODER.
POWER
TO F BOARD
CN652
CN602
CN603
CN601
CN609
CN604
CN607
CN102
CN101
IC601
STR-S6307
REG
IC602
SE115N
ERROR-AMP
IC603
PC111LS
CONVERTER
IC605
IC851
5V-REG
VIDEO
OPEN

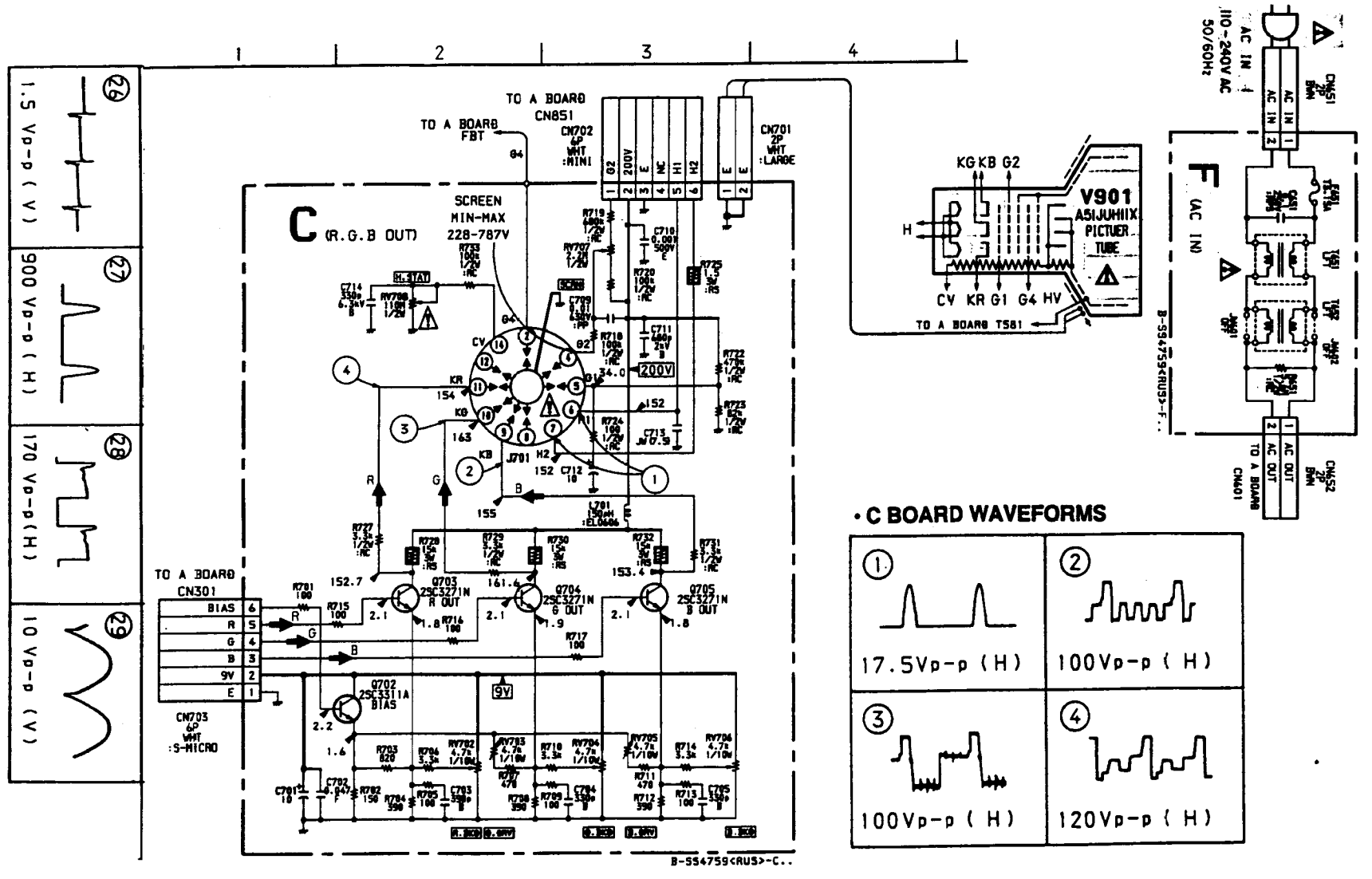
• A BOARD WAVEFORMS

① 6.0Vp-p (4.0MHz)	② 0.6Vp-p (H)	③ 1.9Vp-p (H)
④ 1.9Vp-p (H)	⑤ PAL. NTSC 0.5 Vp-p (H)	⑥ PAL. NTSC 0.5 Vp-p (H)
⑦ PAL 0.3Vp-p (H)	⑧ PAL  0.45 Vp-p (H)	⑨ PAL  0.6 Vp-p (H)
⑩ 0.26 Vp-p(4.43MHz)	⑪ 0.16Vp-p(3.58MHz)	⑫ 1.5Vp-p (H)
⑬ 2.4Vp-p (V)	⑭ 4.0Vp-p (H)	⑮ 2.0Vp-p (H)
⑯ 1.8Vp-p (H)	⑰ 4.0Vp-p (H)	⑱ 4.0Vp-p (H)
⑲ 4.0Vp-p (H)	⑳ 0.9Vp-p (H)	㉑ SECAM 0.24Vp-p (H)
㉒ SECAM 1.0Vp-p (H)	㉓ SECAM 1.4 Vp-p (H)	㉔ SECAM 3.3 Vp-p (H)
㉕ 50 Vp-p (V)	㉖  1.5 Vp-p (V)	㉗ 900 Vp-p (H)
㉘ 170 Vp-p(H)	㉙ 10 Vp-p (V)	


CN852
OPEN
1 HP
2 GND
9V
15V
23/26V
115V
TO PICTURE TUBE
TO C BOARD
CN702
6 H2
5 H1
4 NC
3 GND
2 200V
1 1000V
CN851
CN103
CN0Y1
DY
H.BY
V.BY
B-554700<RUS>-A..

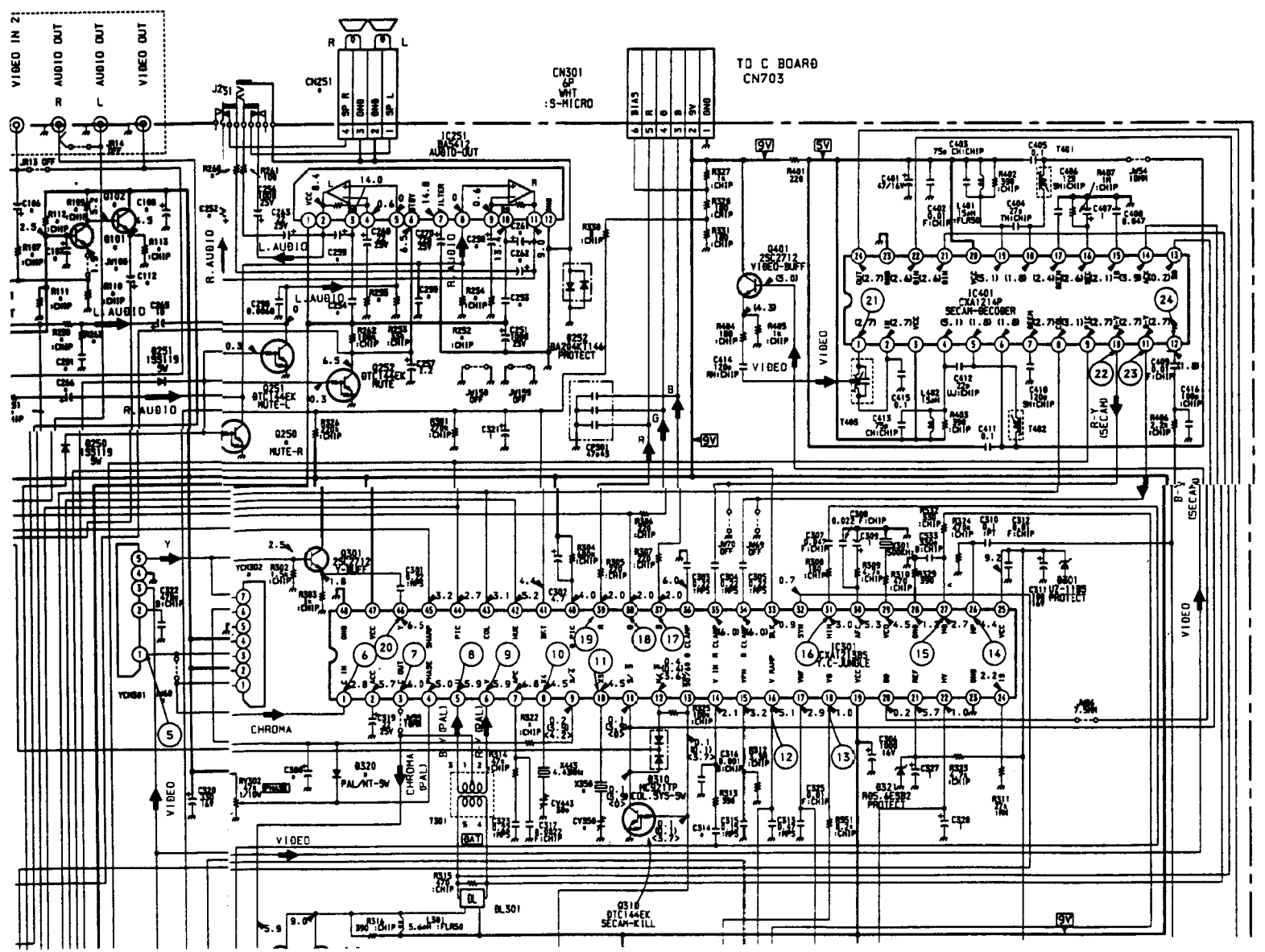
21inch

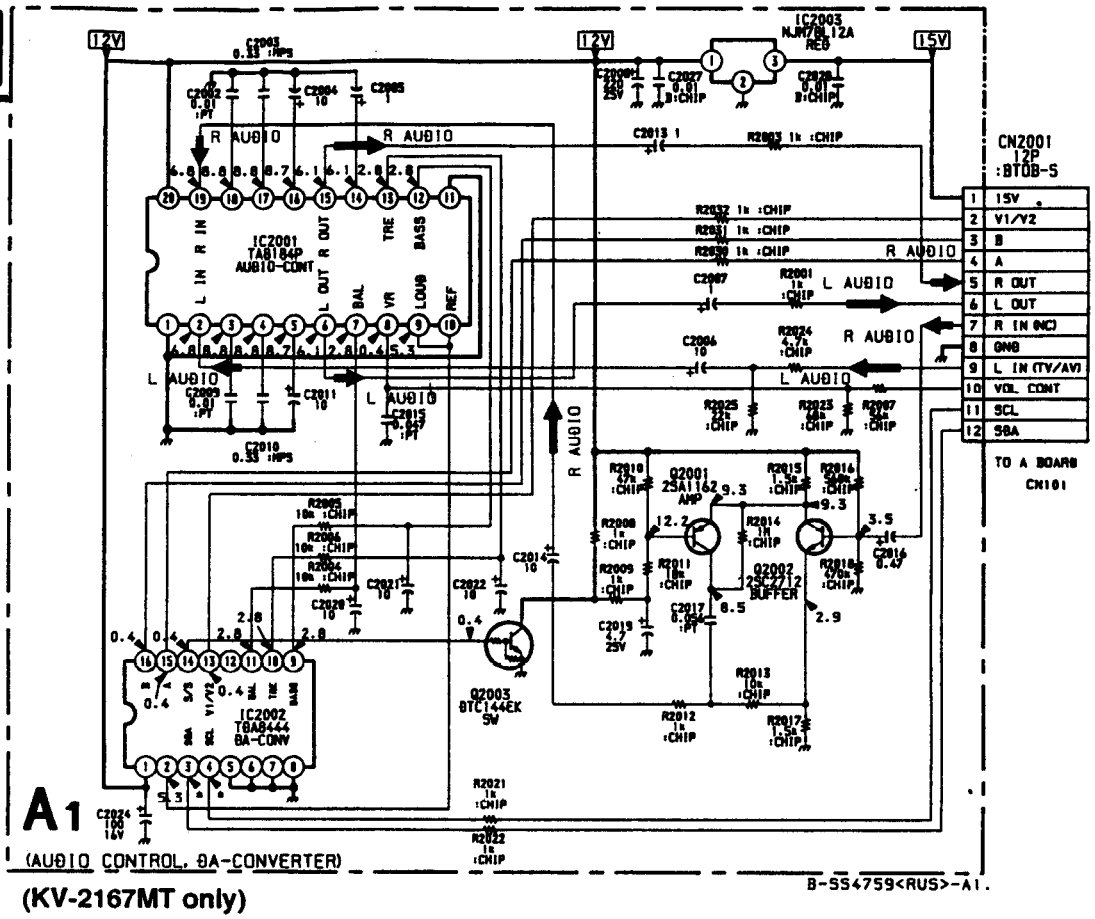

CN152 OPEN
CN151 OPEN
CN004 OPEN
AUDIO IN 1
AUDIO IN 2
VIDEO IN 1
MONO
IF201
VIDEO-BUFF
IC104 BUFFER
IC101 V-SW
IC102 L-SW
IC103 R-SW
IC001 M34300M8-712SP SYSTEM CONTROL
IC002 S8X1818-11
IC005 4132C62 MEMORY
IC004 ZT33-TA 3.3V REG
CN001 OPEN
CN002 OPEN
5V
SIRCS
GND
TCLK
TDAT
KEY-SCAN
RESPONSE
VIDEO
AUDIO
IF
L.AUDIO
R.AUDIO
VOL CONT
VC-FILTER
VC-AMP
STOPPER
OPTION



• C BOARD WAVEFORMS

① 17.5Vp-p (H)	② 100Vp-p (H)
③ 100Vp-p (H)	④ 120Vp-p (H)

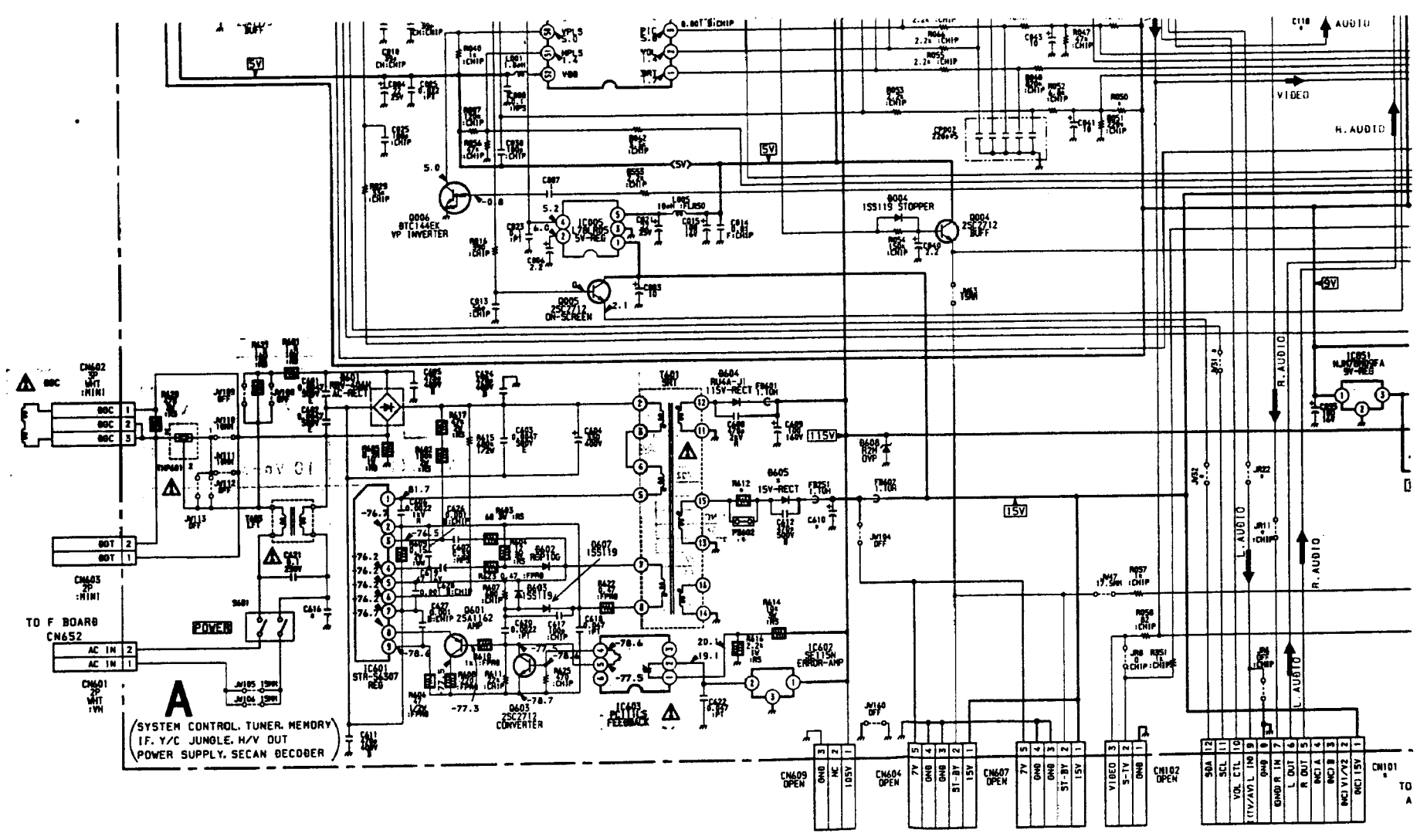

VIDEO IN 2
AUDIO OUT
AUDIO OUT
VIDEO OUT
CN251
SP R
GND
GND
SP L
J251
CN301
6P
WHT
:S-MICRO
TO C BOARD
CN703
BIAS
5V
IC251
BA5412
AUDIO-OUT
L.AUDIO
R.AUDIO
Q251
DTC144EK
MUTE-L
Q252
DTC144EK
MUTE
Q250
MUTE-R
D252
RA2142F1144
PROTECT
Q401
2SC2712
VIDEO-BUFF
IC401
CXA1214P
SECAM-DECODER
VIDEO
B-Y
(SECAM)
Q301
2SC2712
Y-BUFF
IC301
CXA1213BS
Y/C-JUNCTION
CHROMA
CHROMA
(PAL)
D320
PAL/NT-5V
D510
MCL5V1TP
COL.SYS-5V
D321
RD5.6ES82
PROTECT
D301
UZ-1185
PROTECT
Q310
DTC144EK
SECAM-KILL
BL301
9V
5V



(KV-2167MT only)

• A BOARD WAVEFORMS

① 6.0Vp-p (4.0MHz)	② 0.6Vp-p (H)	③ 1.9Vp-p (H)	④ 1.9Vp-p (H)	⑤ PAL. NTSC 0.5 Vp-p (H)
⑥ PAL. NTSC 0.5 Vp-p (H)	⑦ PAL 0.3Vp-p (H)	⑧ PAL 0.45 Vp-p (H)	⑨ PAL 0.6 Vp-p (H)	⑩ 0.26 Vp-p(4.43MHz)
⑪ 0.16Vp-p(3.58MHz)	⑫ 1.5Vp-p (H)	⑬ 2.4Vp-p (V)	⑭ 4.0Vp-p (H)	⑮ 2.0Vp-p (H)
⑯ 1.8Vp-p (H)	⑰ 4.0Vp-p (H)	⑱ 4.0Vp-p (H)	⑲ 4.0Vp-p (H)	⑳ 0.9Vp-p (H)
㉑ SECAM 0.24Vp-p (H)	㉒ SECAM 1.0Vp-p (H)	㉓ SECAM 1.4 Vp-p (H)	㉔ SECAM 3.3 Vp-p (H)	㉕ 50 Vp-p (V)


A
SYSTEM CONTROL, TUNER MEMORY
IF, Y/C JUNGLE, H/V OUT
POWER SUPPLY, SECAM DECODER
TO F BOARD
CN652
POWER
CN602
CN603
CN601
IC601
STR-S5307
REG
IC602
SE115N
ERROR-AMP
IC603
PHOTO
FEEDBACK
0601
2SA1162
AMP
0602
RGP10G
0603
2SC2712
CONVERTER
0604
RU4A-J
115V-RECT
0605
15V-RECT
0607
1SS119
0608
RGP20G
0609
1SS119
Q004
BTC144EK
V/P INVERTER
Q005
2SC2712
ON-SCREEN
Q004
1SS119 STOPPER
Q004
2SC2712
BUFF
IC005
L78L05
5V-REG
IC051
NJM78M05FA
5V-REG
115V
15V
5V
VIDEO
R. AUDIO
L. AUDIO
AUDIO
CN609
OPEN
CN604
OPEN
CN607
OPEN
CN102
OPEN
CN101
TO A

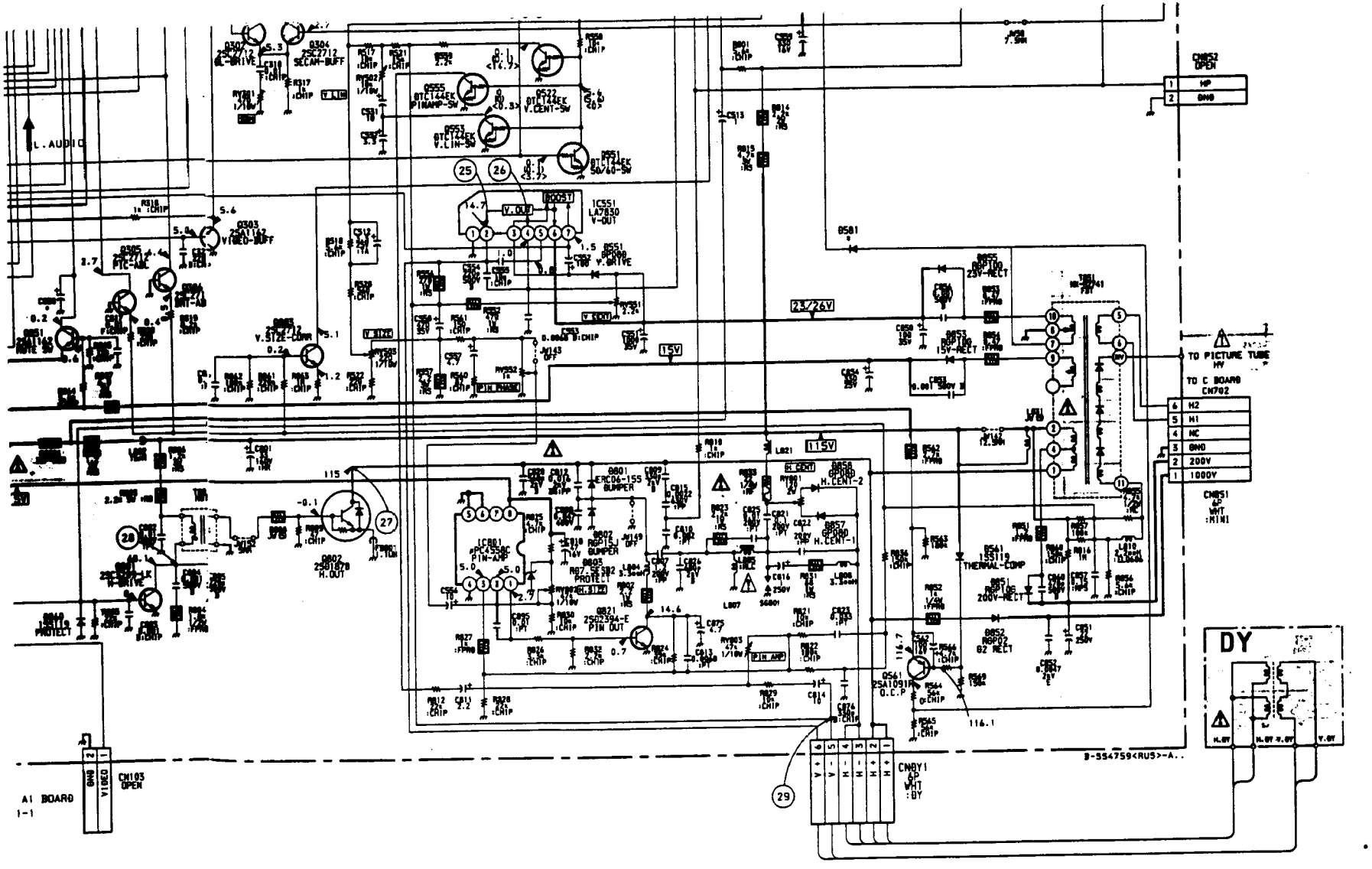
A BOARD * MARK

Ref. No.	Location	KV-2187MT	KV-2167MT	KV-21DK2
C045	D-6	1	1	-
C101	B-8	-	0.15	-
C102	B-8	0.15	0.15	-
C103	B-8	220/16V	220/16V	-
C104	B-9	-	0.15	-
C105	B-9	0.15	0.15	-
C106	B-9	220/16V	220/16V	-
C107	B-9	10	10	-
C108	B-10	100/16V	100/16V	-
C109	E-8	-	10	-
C110	E-8	10	10	-
C111	E-9	47/16V	47/16V	-
C112	B-10	47/16V	47/16V	-
C114	D-8	-	180P	-
C115	C-8	180P	180P	-
C116	D-9	220/16V	220/16V	-
C117	E-9	0.47	0.47	-
C118	F-8	-	0.47	-
C211	B-7	4.7	-	4.7
C212	C-8	4.7	4.7	JW (5.0)
C252	B-10	-	1000/25V	-
C253	C-12	-	0.47	-
C254	C-11	0.1	0.47	0.1
C258	B-12	-	22/25V	-
C259	B-11	22/25V	47/16V	22/25V
C261	B-12	-	47/16V	-
C262	B-12	-	22/25V	-
C266	C-9	-	10	-
C291	C-9	0.047	-	0.047
C299	C-11	-	0.0068	-
C380	E-11	100/16V	100/16V	-
C610	I-6	330/25V	1000/25V	330/25V
C858	H-9	4.7	10	4.7
CN101	J-9	-	12P	-
CN251	A-11	3P	4P	3P
CV358	E-13	30P	30P	-
D003	E-5	1SS119	1SS119	-
D005	C-5	SEL1222R-C,D	LED UNIT	SEL1222R-C,D
D012	C-3	1SS119	1SS119	-
D013	C-4	-	-	1SS119
D014	E-5	1SS119	1SS119	-
D101	C-9	RD13M	RD13M	-
D102	B-9	-	RD13M	-
D106	F-9	-	1SS119	-
D107	D-9	1SS119	1SS119	-
D320	E-11	1SS119	1SS119	-
D605	I-6	RGP15J	S3LA20F	RGP15J
IC101	D-8	LA7016	LA7016	-
IC102	E-8	LA7016	LA7016	-
IC103	E-8	-	LA7016	-
IC104	C-8	μPC4558C	μPC4558C	-
IF201	B-6	IFD-380A	IFD-380A	IFC-380SR
J101	A-8	4P	6P	-
J102	A-9	2P	3P	-
JR2	D-3	-	0 : CHIP	0 : CHIP
JR5	C-9	-	0 : CHIP	-
JR9	D-8	-	0 : CHIP	0 : CHIP
JR10	E-9	-	-	0 : CHIP
JR11	I-8	-	0 : CHIP	-

Ref. No.	Location	KV-2187MT	KV-2167MT	KV-21DK2
JR12	D-9	0 : CHIP	0 : CHIP	-
JR19	B-8	0 : CHIP	0 : CHIP	-
JR22	I-8	-	0 : CHIP	-
JW31	H-8	-	10MM	-
JW32	I-8	-	10MM	-
JW60	D-10	-	-	5MM
JW71	D-8	7.5MM	7.5MM	-
JW75	C-5	5MM	-	5MM
JW98	C-9	12.5MM	12.5MM	-
JW100	B-10	10MM	10MM	-
PS602	I-5	-	2.7A	-
Q101	B-9	2SC2712	2SC2712	-
Q102	B-10	2SC2712	2SC2712	-
Q103	E-9	2SA1162	2SA1162	-
Q250	C-10	-	DTC144EK	-
R030	E-7	100k	-	100k
R033	E-6	100k	33k	100k
R035	D-6	100k	100k	-
R050	G-7	22k	22k	47k
R059	E-3	-	100	-
R060	E-3	-	100	-
R101	B-8	-	56k	-
R102	B-8	56k	56k	-
R103	B-8	82	82	-
R104	B-9	-	56k	-
R105	B-9	56k	56k	-
R106	B-9	82	82	-
R107	B-9	470	470	-
R108	B-9	470	470	-
R109	B-10	1k	1k	-
R110	C-10	470	470	-
R111	C-9	3.9k	3.9k	-
R112	B-10	10k	10k	-
R113	B-10	2.2k	2.2k	-
R114	D-9	82	82	-
R115	C-9	680	680	-
R116	C-9	680	680	-
R117	C-9	68	68	-
R118	C-9	-	39k	-
R119	C-9	39k	39k	-
R120	C-8	-	39k	-
R121	C-8	39k	39k	-
R122	F-9	-	1k	-
R123	E-9	1k	1k	-
R201	C-7	6.8k	-	6.8k
R202	C-7	4.7k	-	4.7k
R211	C-7	1k	-	1k
R212	C-7	10k	-	10k
R251	C-9	-	3.3k	-
R252	C-12	-	33k	-
R254	C-12	-	1.5k	-
R255	C-11	1k	1.5k	1k
R260	B-10	-	330	-
R263	C-10	8.2k	-	8.2k
R322	E-12	22k	22k	-
R612	I-5	0.47	-	0.47
TU151	A-5	BT-RG321	BT-RG422	BT-RG321
X358	E-13	O	O	-
YCM302	D-10	O	O	-

O : TO BE MOUNT

- : NOT MOUNT


L. AUDIO
V. OUT
V. DRIVE
V. SIZE-CONT
V. BLK
V. CENT
H. DRIVE
H. OUT
H. CENT-1
H. CENT-2
PIN AMP
PROTECT
THERMAL-COMP
O.C.P
15V
23/26V
115V
TO PICTURE TUBE
TO C BOARD
CN702
CN852
OPEN
CN851
CN103
OPEN
CN801
CN801Y
DY
A1 BOARD
1-1
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