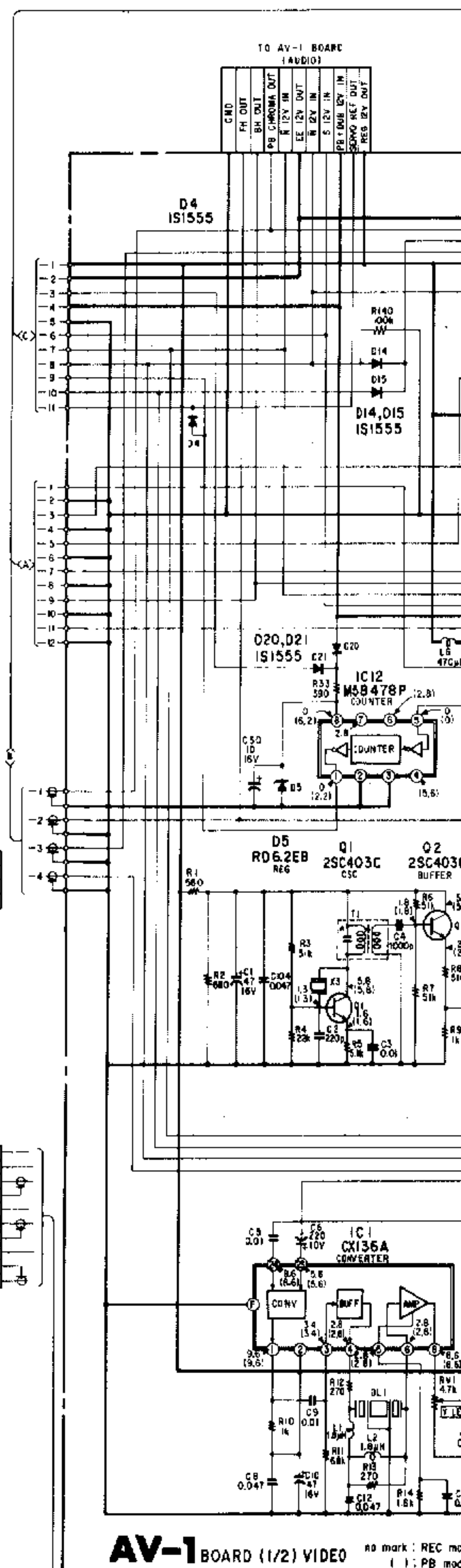
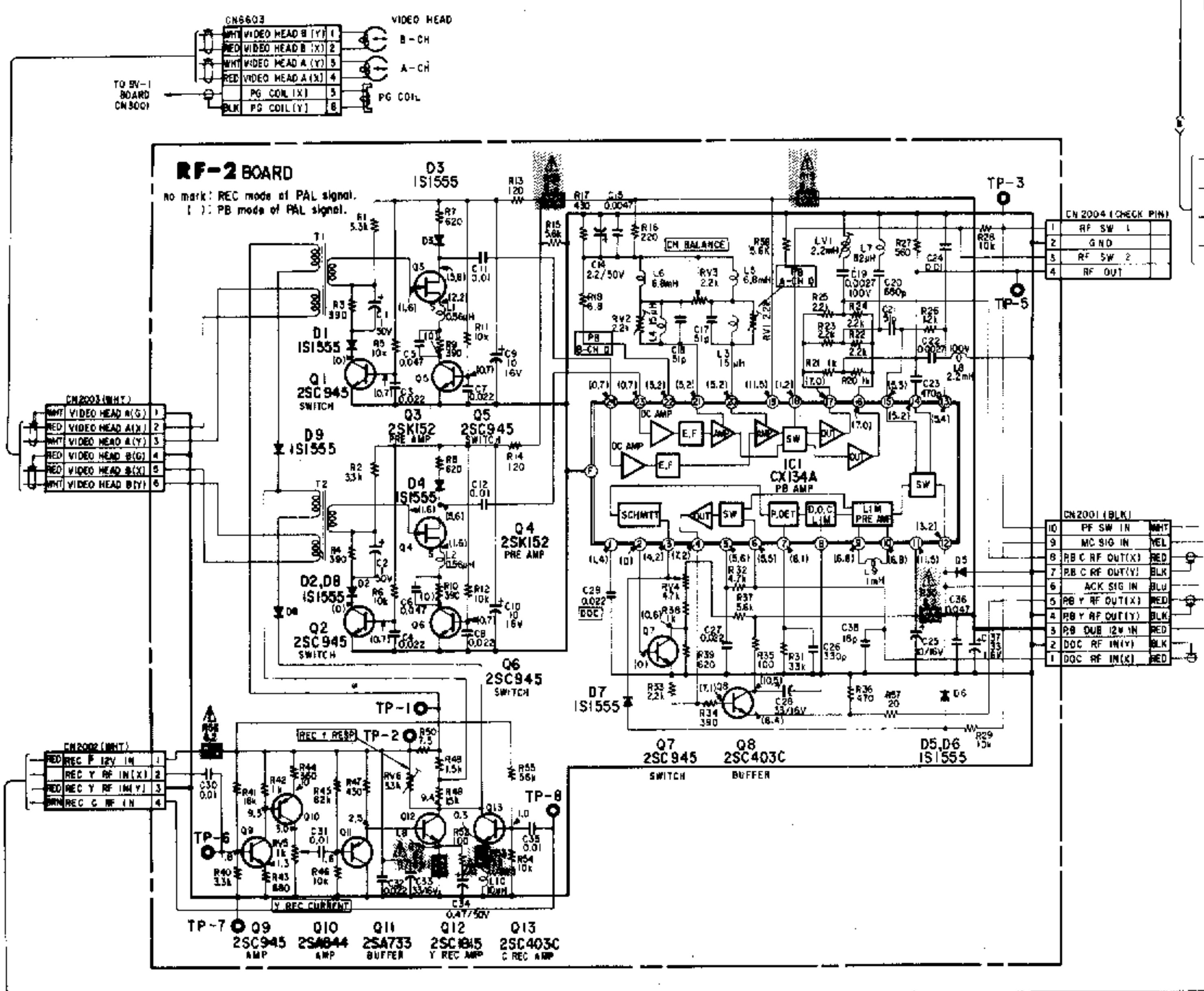


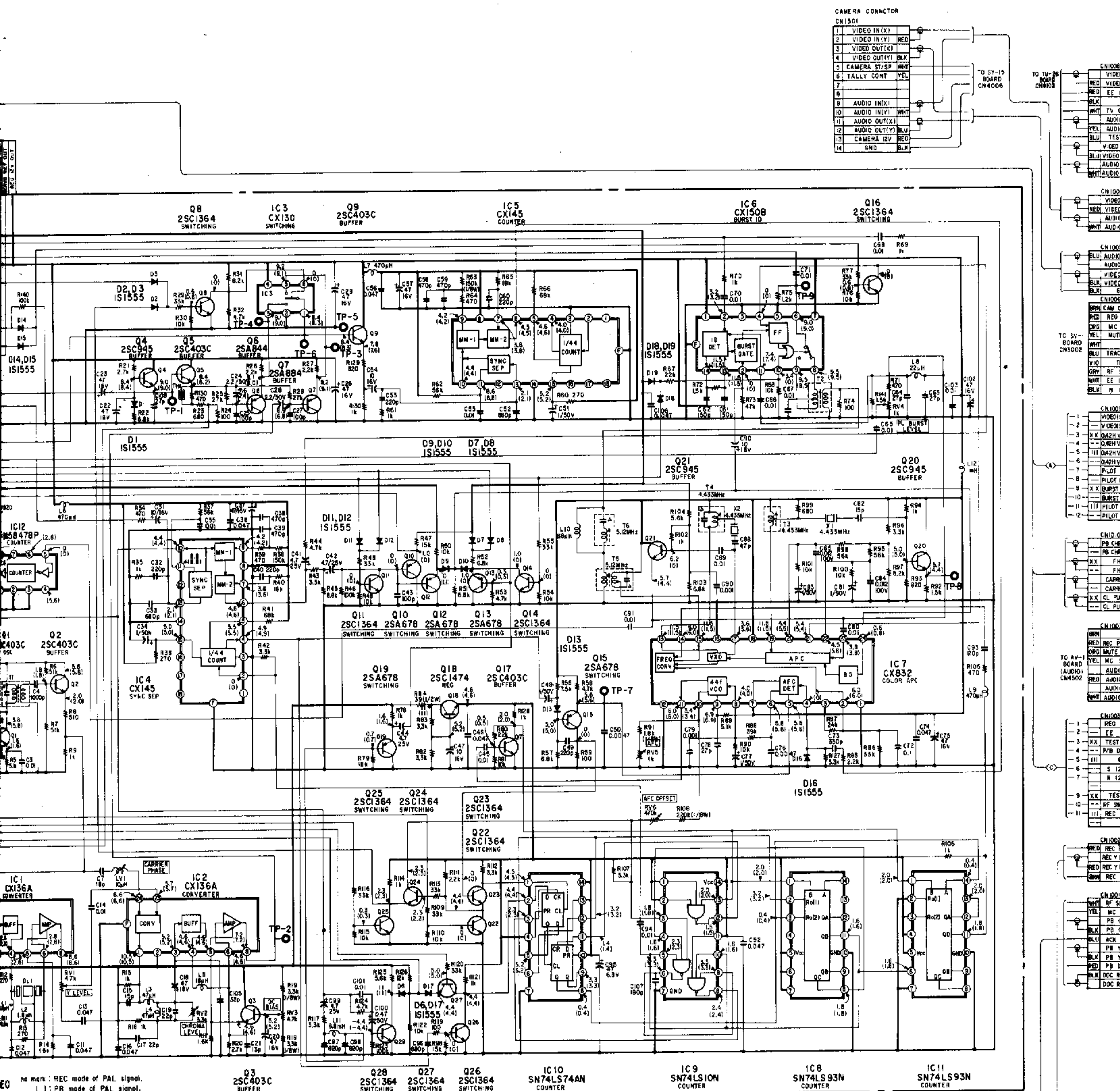


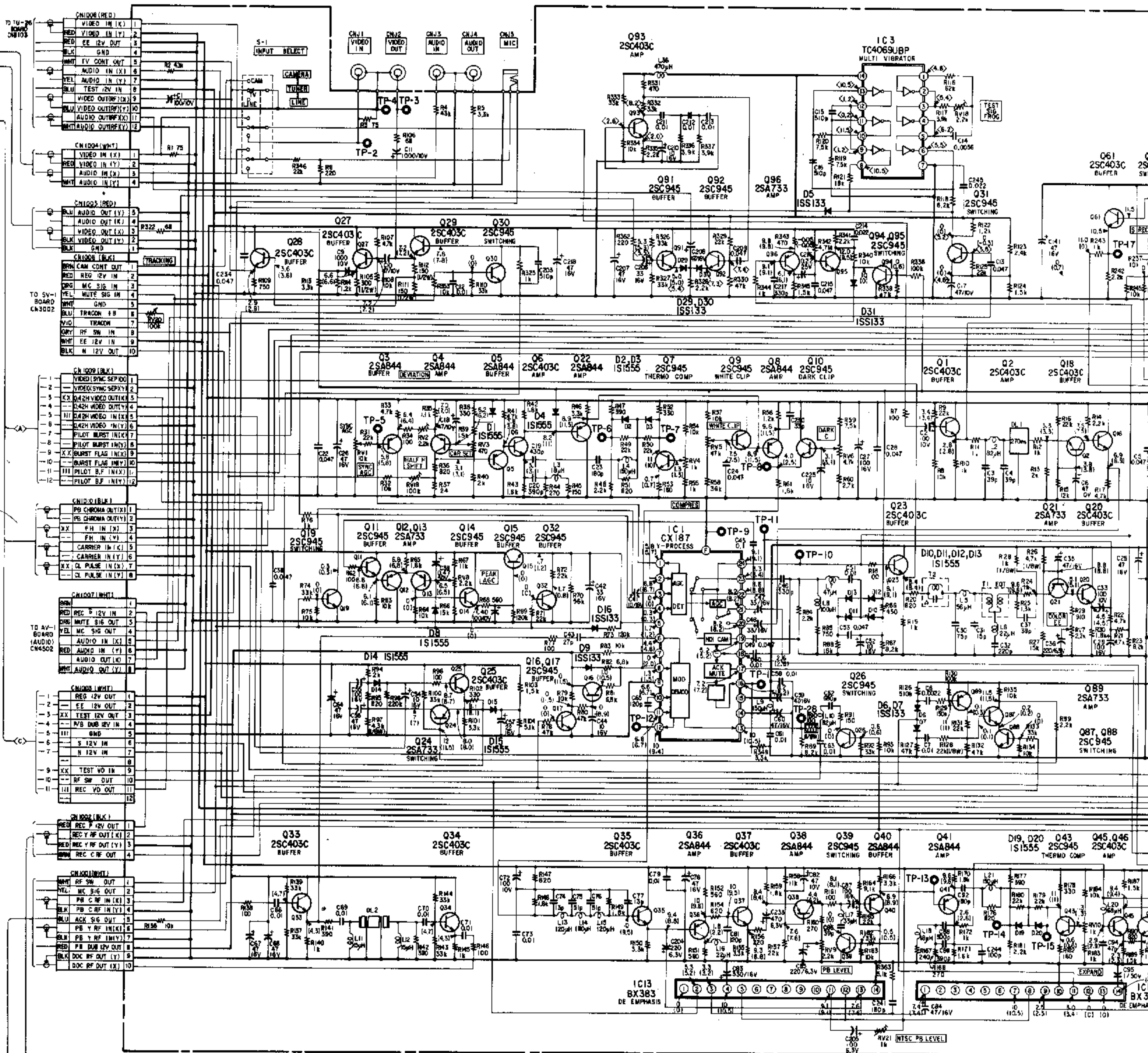
E

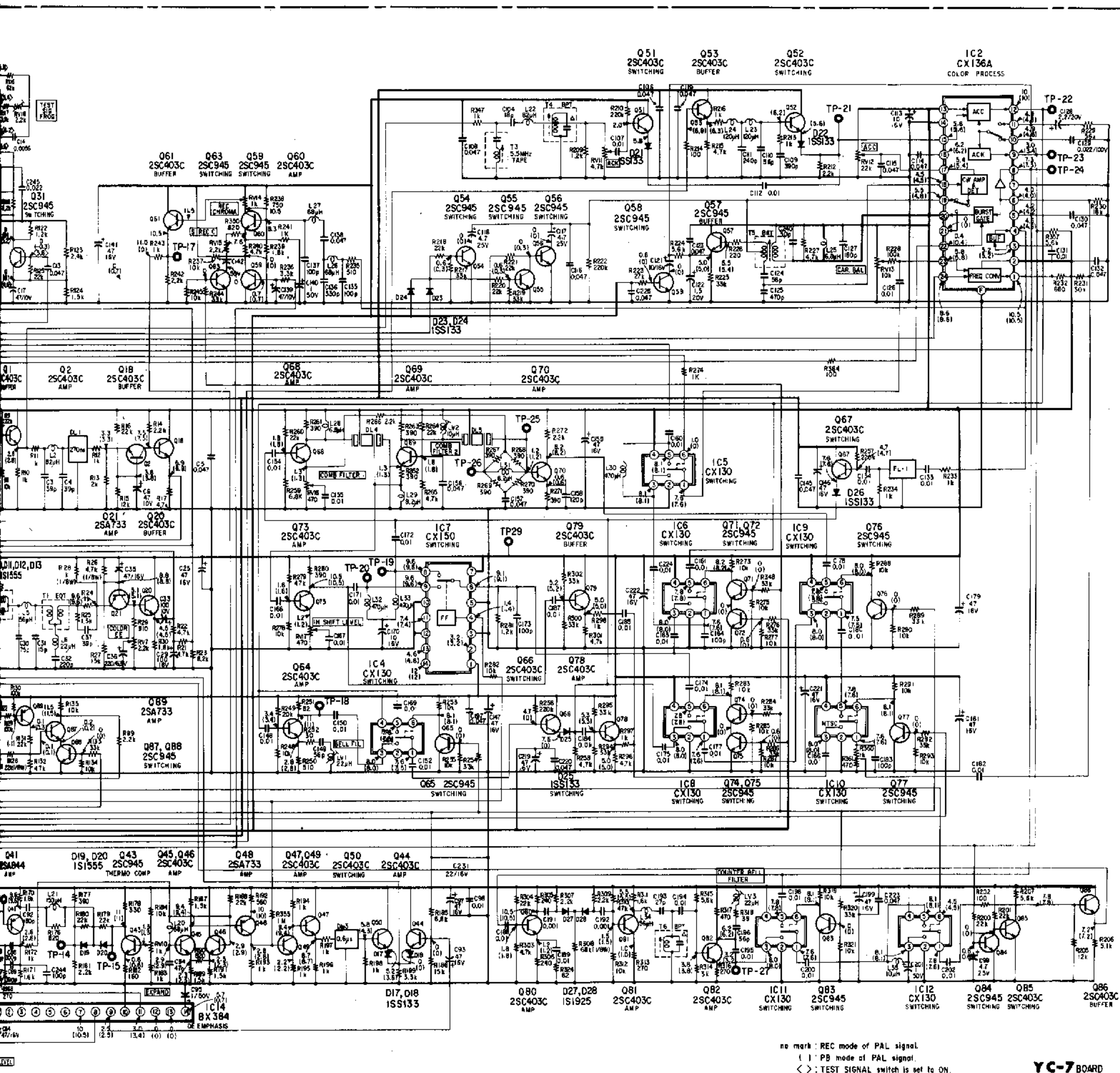
F

G

H







1/4 W unless otherwise noted.

20kΩ

μF unless otherwise noted.

are not indicated except for

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
-  : nonflammable resistor.
- The red lines show the main voltages.
- All voltages are dc measured with a VOM (20kΩ/V).

The components identified by shading and  mark are critical for safety. Replace only with part number specified.

DC-1 BOARD
LC 1

MODE \ PIN	1	2	3	4	5	6
SECAM(REC)	7.6	—	8.0	—	8.0	6.9
SECAM(PB)	7.6	—	8.0	—	8.0	7.2
NTSC (PB) A 434H	7.6	—	8.0	—	8.0	7.2

IC 2

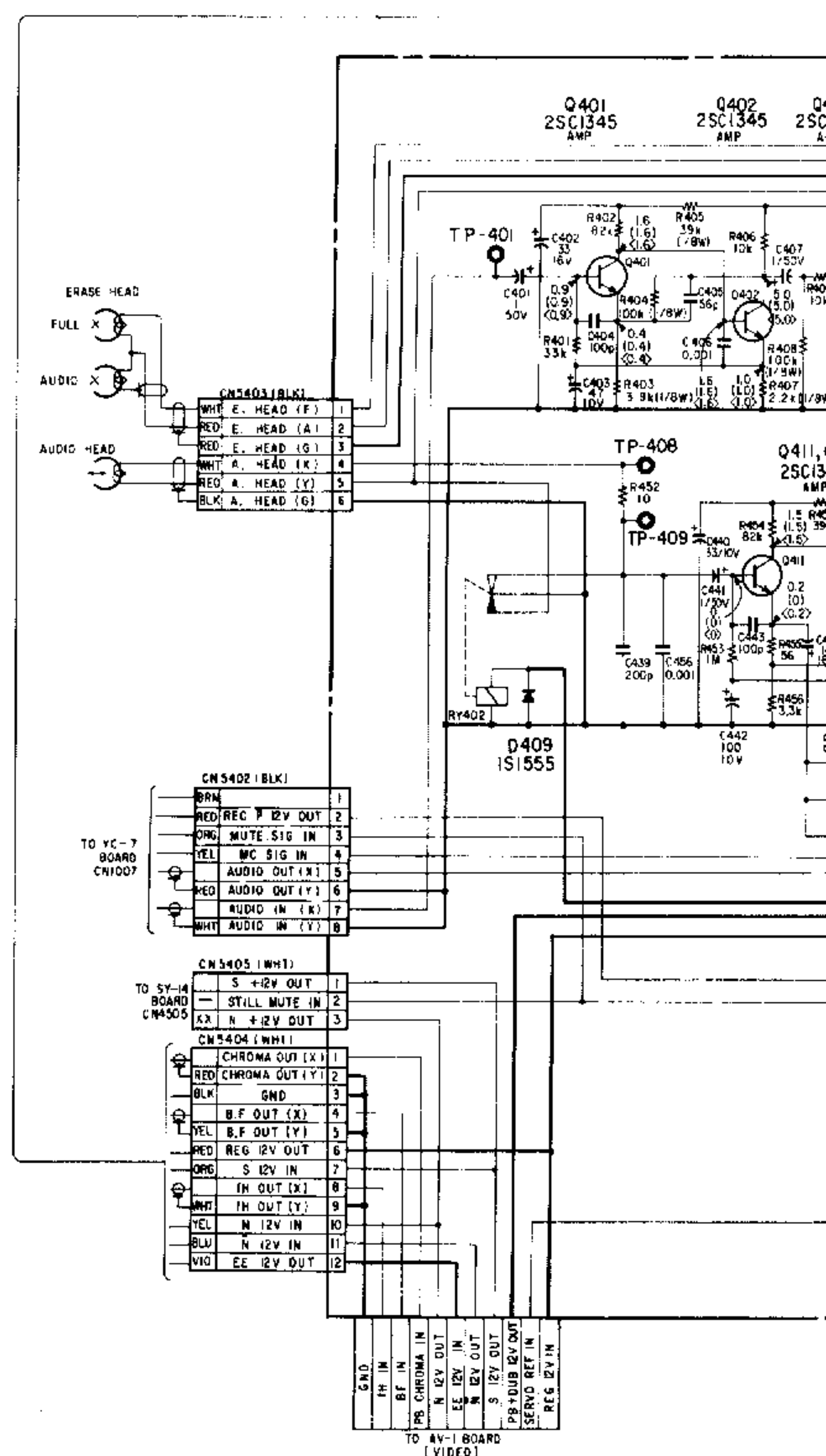
MODE \ PIN	1	2	3	4	5	6
SECAM(REC)	0	0	11.5	0	11.5	11.5
SECAM (PB)	0	0	11.5	0	11.5	0
NTSC (PB) 4.43MHz	0	11.5	0	11.5	0	0

MODE \ Q	Q1			Q2			Q3			Q4		
	E	C	B	E	C	B	E	C	B	E	C	B
SECAM (REC)	0.2	6.9	0.2	1.2	—	1.8	5.8	—	6.2	1.6	4.7	2.2
SECAM (PB)	0.2	7.2	0.2	1.2	—	1.8	5.8	—	6.2	1.6	4.7	2.2
NTSC (PB) 4.43MHz	0.2	7.2	0.2	1.2	—	1.8	5.8	—	6.2	1.6	4.7	2.2

Q MODE	Q5			Q6			Q7			Q8		
	E	C	B	E	C	B	E	C	B	E	C	B
SECAM (REC)	2.0	7.0	2.2	6.7	—	7.0	4.0	4.0	4.6	2.9	—	3.4
SECAM (PB)	1.6	7.0	2.2	6.7	—	7.0	4.0	4.0	4.6	2.9	—	3.4
NTSC (PB) 4.43MHz	2.0	7.0	2.2	6.3	—	7.0	0	11.5	0	2.9	—	3.4

Q MODE	Q9			Q10			Q11			Q12		
	E	C	B	E	C	B	E	C	B	E	C	B
SECAM (REC)	11	3.4	10.5	—	11.5	11	0.6	—	-0.03	0.6	—	-0.03
SECAM (PB)	11	3.4	10.5	—	11.5	11	0.4	—	-0.03	0.4	—	-0.03
NTSC (PB) A.63MHz	11	3.4	10.5	—	0	11.5	0.4	—	-0.03	0.4	—	-0.03

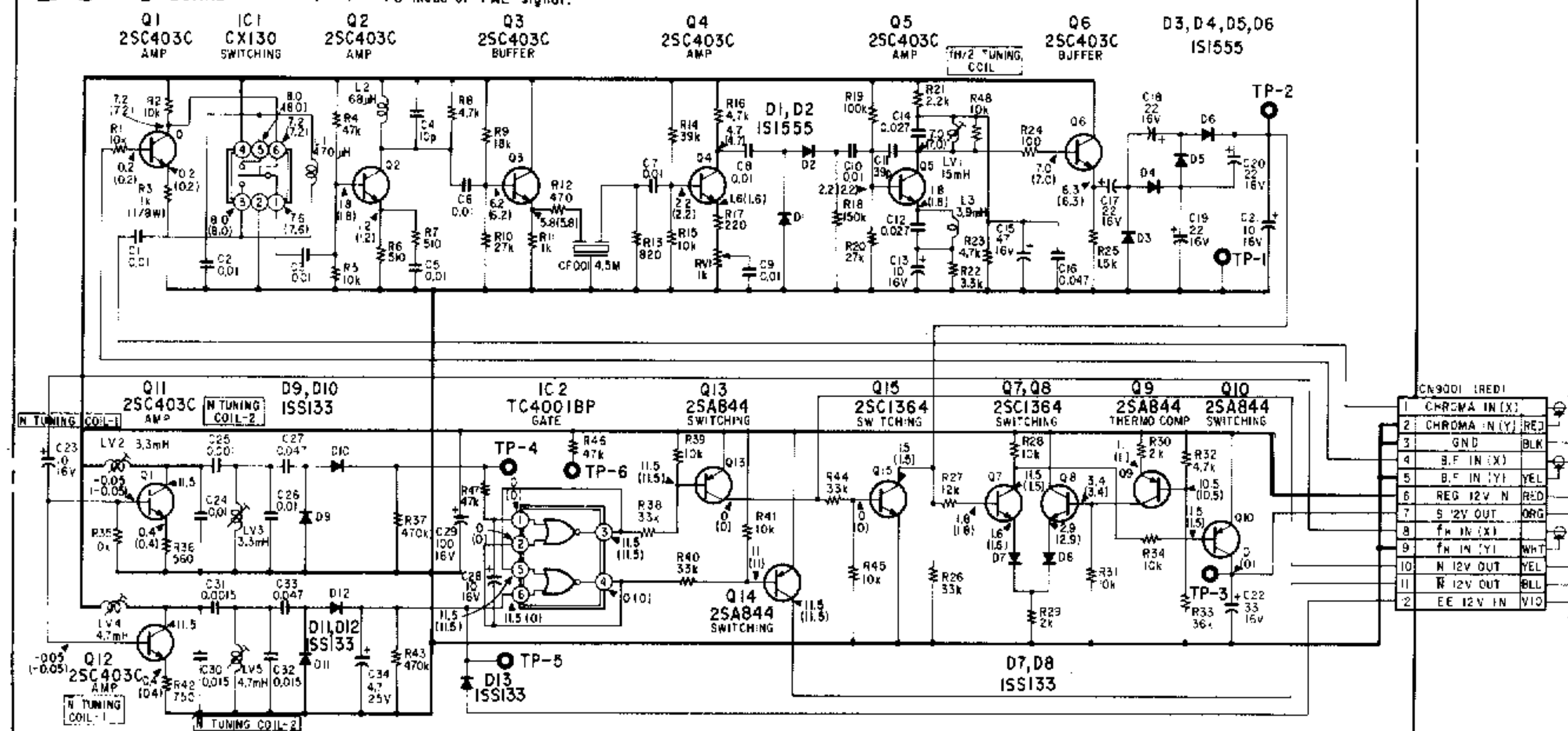
Q MODE	Q13			Q14			Q15					
	E	C	B	E	C	B	E	C	B			
SECAM (REC)	—	0	11.5	—	11.5	11	—	7.0	0			
SECAM (PB)	—	0	11.5	—	11.5	11	—	7.7	0			
NTSC (PB) 4.43MHz	—	11.5	11	—	0	11.5	—	0	0.6			



The components identified by shading and  mark are critical for safety. Replace only with part number specified.

DC-1 BOARD

no mark : REC mode of PAL signal.
 () : PB mode of PAL signal.

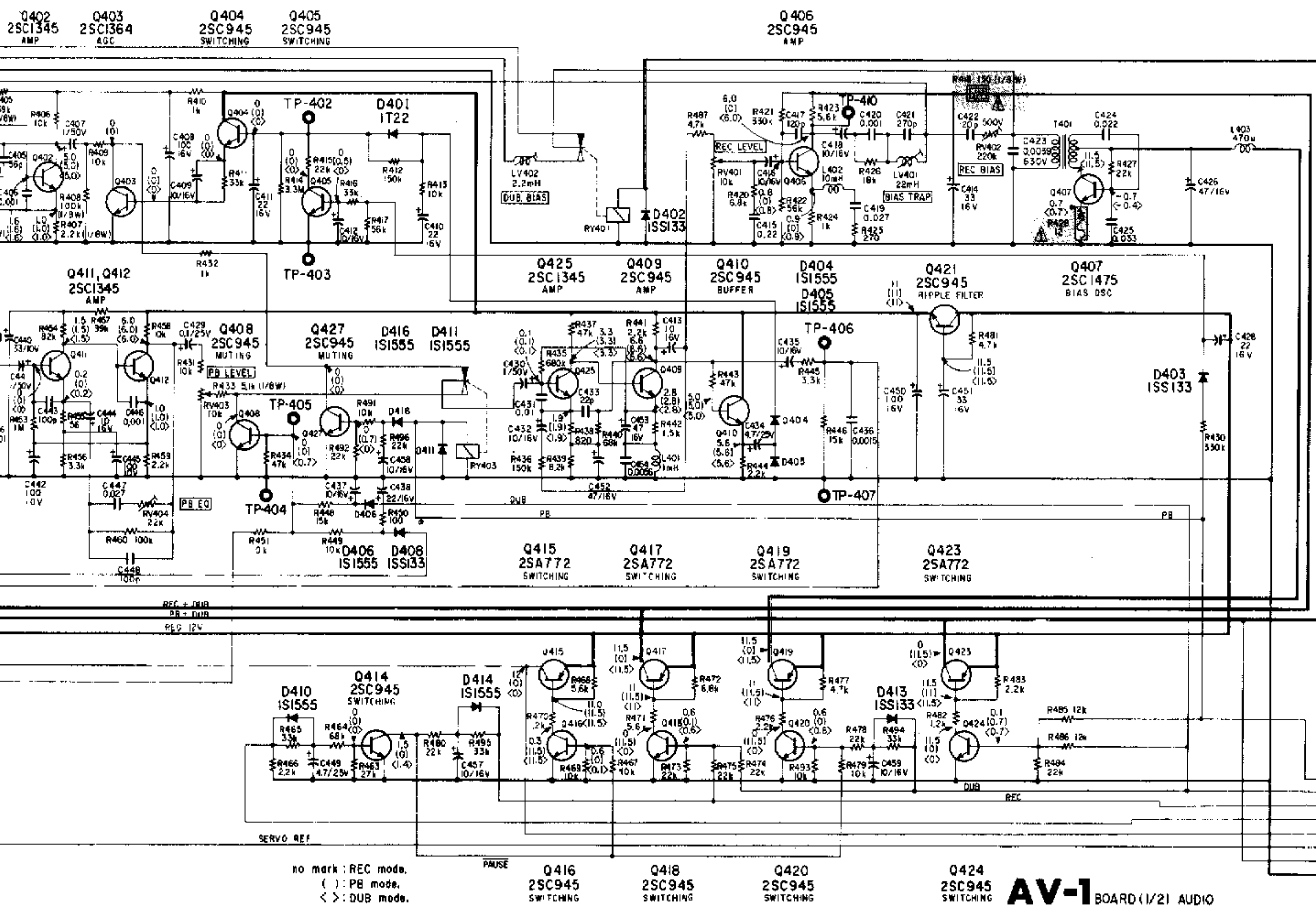


TO CN603

TO YC-7 BOARD CN1006

TO YC-8 BOARD CN1003

TO YC-15 BOARD CN4003



TO YC-8 BOARD CN1003

TO YC-15 BOARD CN4003

no mark : REC mode.
 () : PB mode.
 < > : DUB mode.

Q416 2SC945 SWITCHING

Q418 2SC945 SWITCHING

Q420 2SC945 SWITCHING

Q424 2SC945 SWITCHING

AV-1 BOARD (1/21 AUDIO)



SV-2 BOARD

no mark : REC mode.
 () : PB mode.
 < > : PB mode of NTSC(14.43MHz) signal.

* : Can not be measured.

Q101 2SA733 BUFFER
 Q102 2SC945 SWITCHING

CN3101(BLK)	
1	THREAD IN
2	CAP CONT IN
3	DRUM CONT IN

TO SY-15 BOARD
 CN4002

LS-3 BOARD CN3501	
1	REVERSE IN
2	CAP ERR IN
3	DRUM ERR IN
4	GND

1	RED CAP MOTOR FG(X)
2	RED CAP MOTOR FG(Y)
3	FG

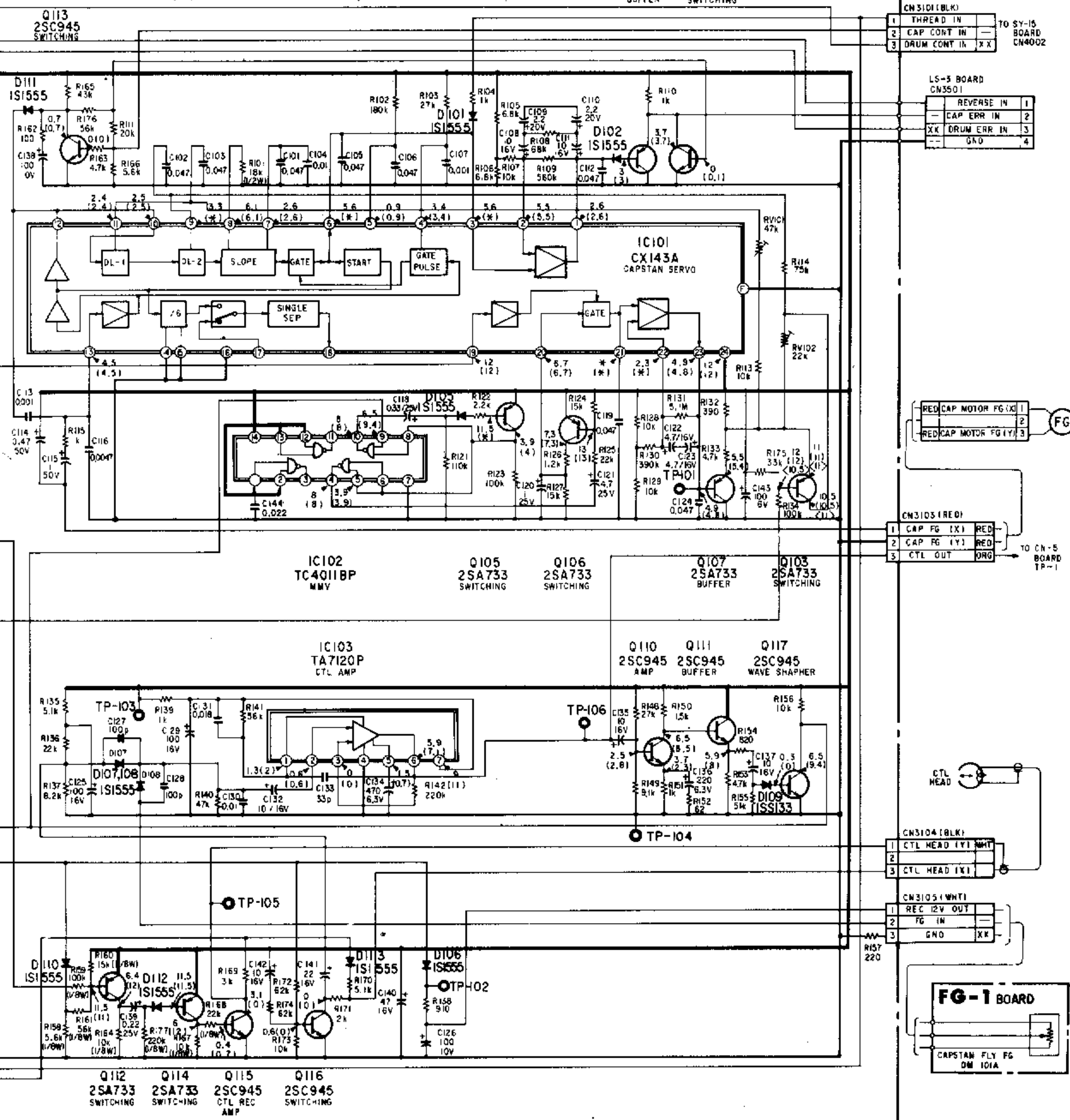
CN3103(RED)	
1	CAP FG (X)
2	CAP FG (Y)
3	CTL OUT

TO CN-5 BOARD
 TP-1

CN3104(BLK)	
1	CTL HEAD (Y)
2	CTL HEAD (X)
3	CTL HEAD (X)

CN3105(WHT)	
1	REC 12V OUT
2	FG IN
3	GND

FG-1 BOARD	
1	CAPSTAN FLY FG
2	DM 101A



CN-5

 (RELAY)
— Ref. No. 6200 series —

A
CN-6

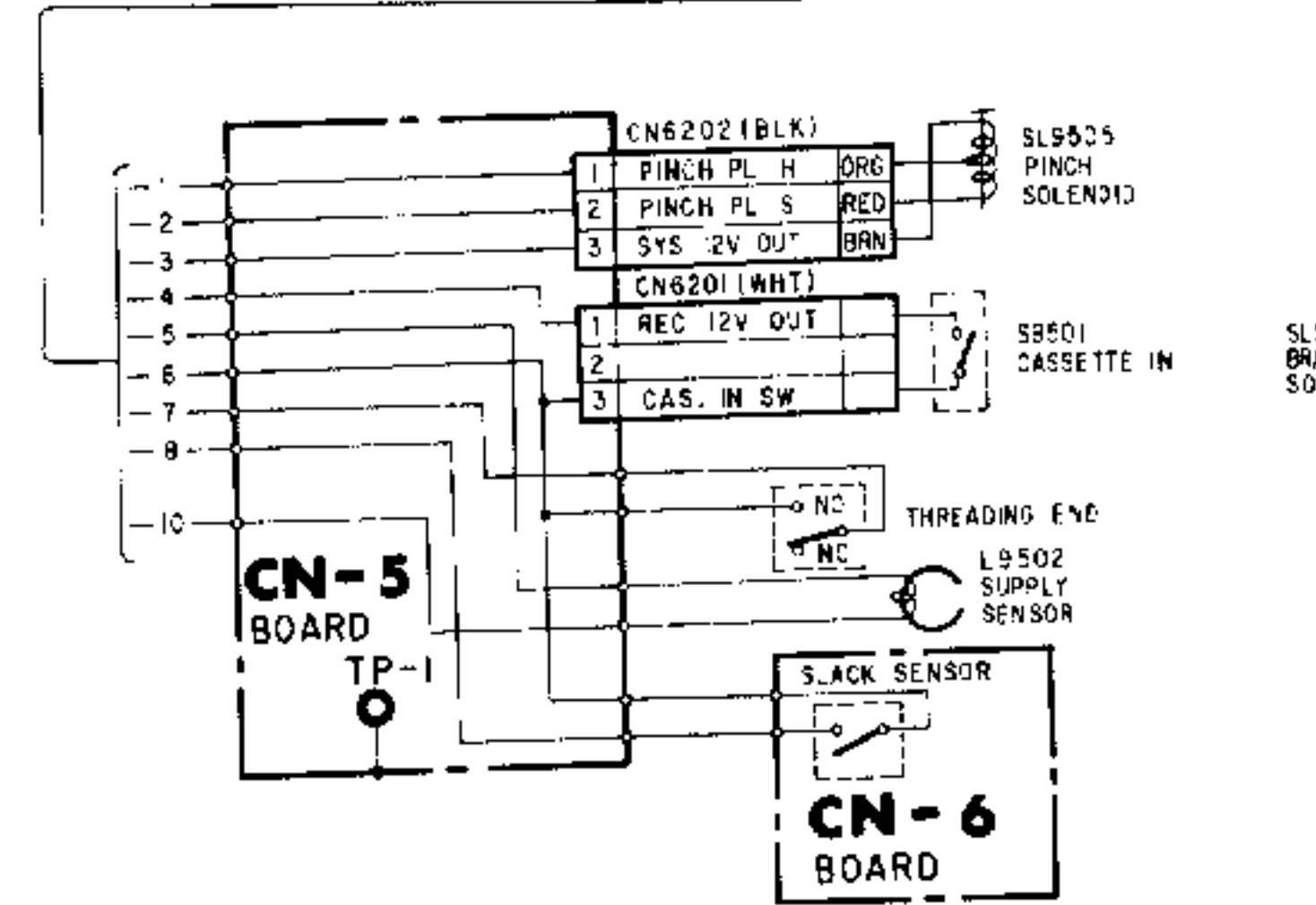
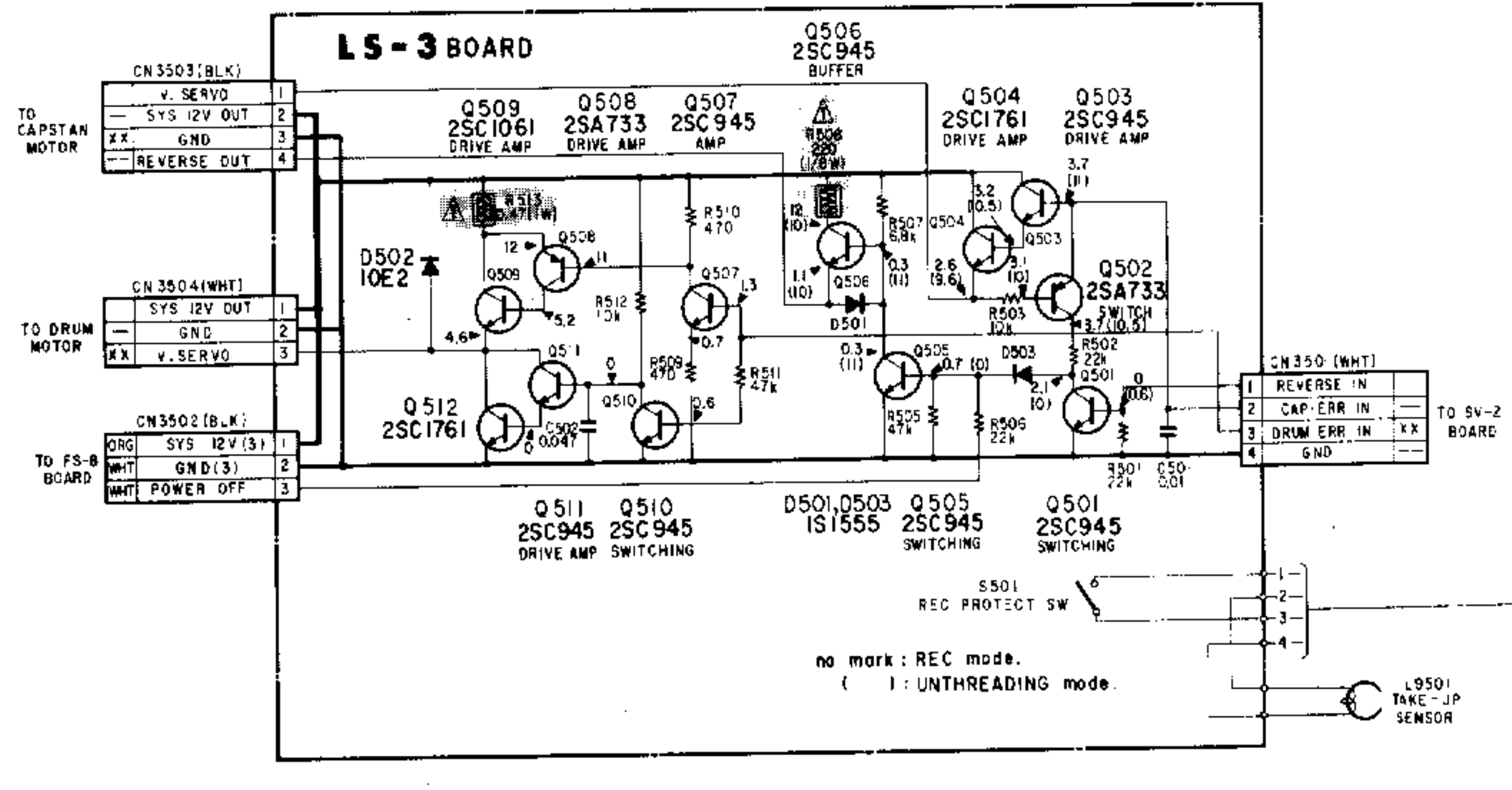
 (SLACK SENSOR)
— Ref. No. 6200 series —

B
LS-3

 (DRUM MOTOR & CAPSTAN MOTOR DRIVE)
— Ref. No. 3500 series —

C
PL-2

 (SOL)
— Ref. No. 3500 series —

D


NOTES:

- All resistors are in ohms, $\frac{1}{4}$ W unless otherwise noted.
 $k\Omega = 1000\Omega$; $M\Omega = 1000k\Omega$
- All capacitors are in μF unless otherwise noted.
 $p : \mu\mu F$ 50WV or less are not indicated except for electrolytics.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- : nonflammable resistor.
- The red lines show the main voltages.
- All voltages are dc measured with a VOM (20k Ω /V).

The components identified by shading and mark are critical for safety. Replace only with part number specified.

REMOTE CONNECTOR	
1	A
2	B
3	C
4	D
5	REC 10V IN
6	END
7	PAUSE LED
8	REC LED

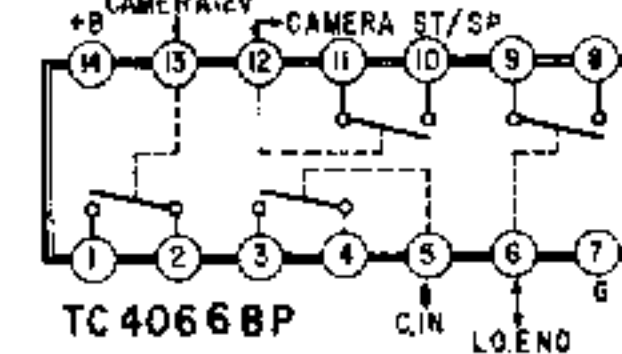
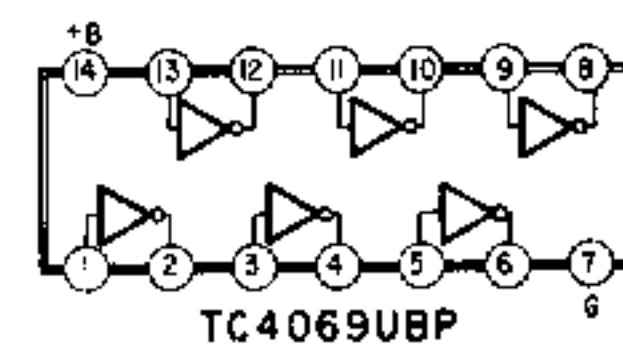
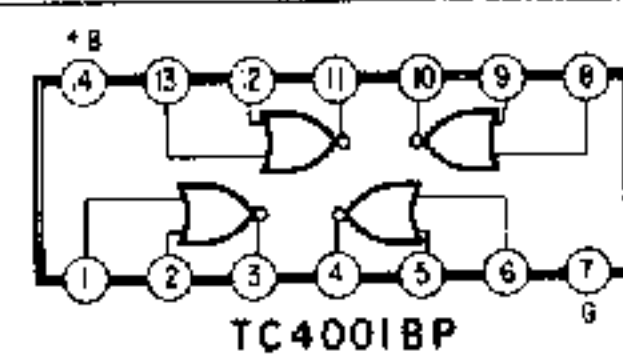
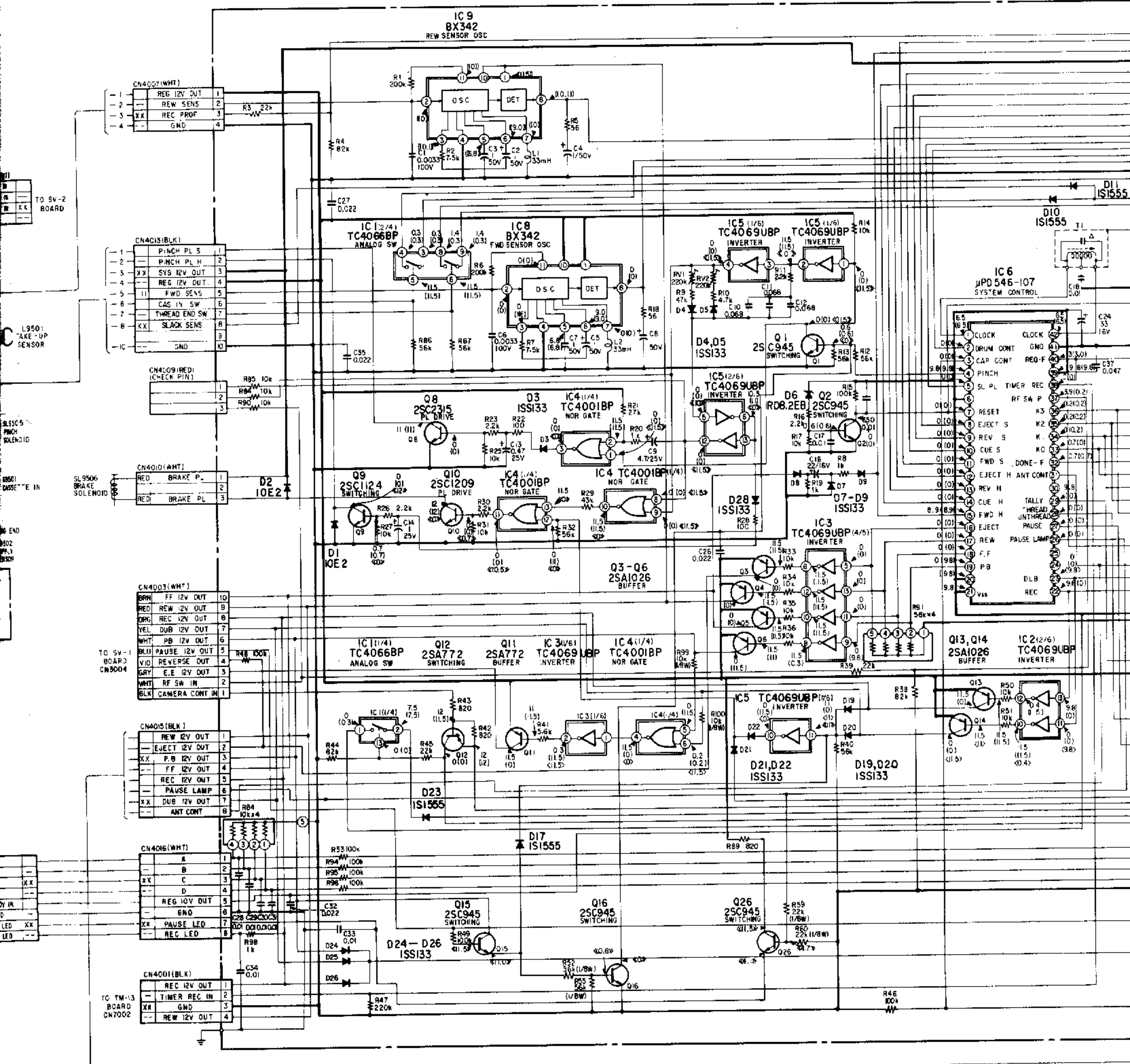
SYSTEM CONTROL

L-2 (SOLENOID DRIVE) — Ref. No. 4600 series — **E**

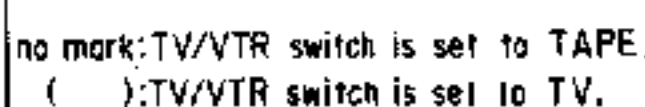
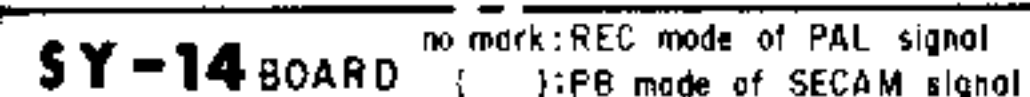
SY-15 (SYSTEM CONTROL CIRCUIT) — Ref. No. 4000 series — **F**

SY-14 (FUNCTION KEY GROUP, DISPLAY LAMP GROUP & ANT SWITCH) — Ref. No. 4500 series — **G**

H



no mark : With solenoid turned ON.



CH-4

CH-5

CH-6

(TUNER PRESET)

- Ref. No. 8400 series -

TU-26

(V TUNER, U TUNER)

- Ref. No. 8100 series -

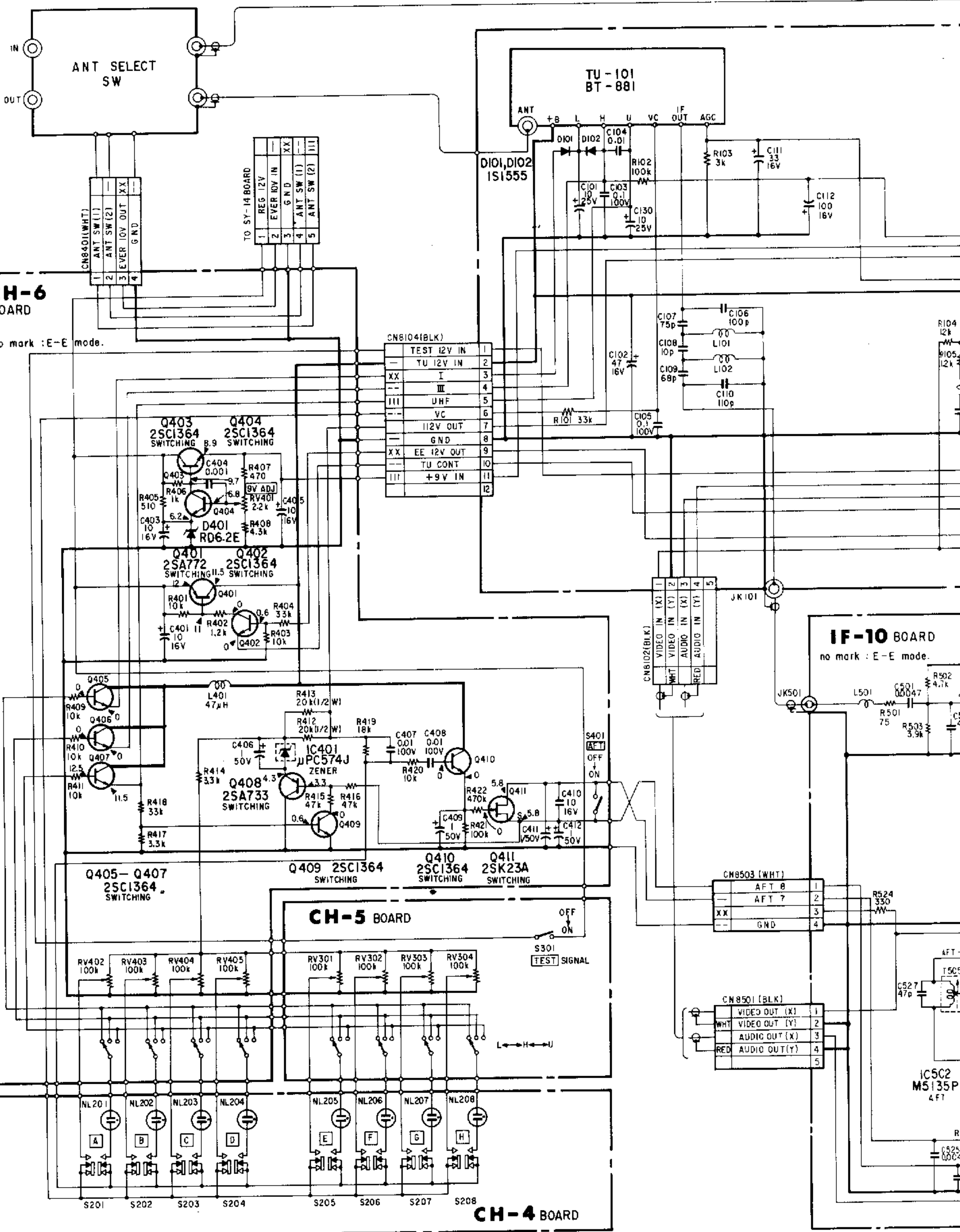
TUNER

A

B

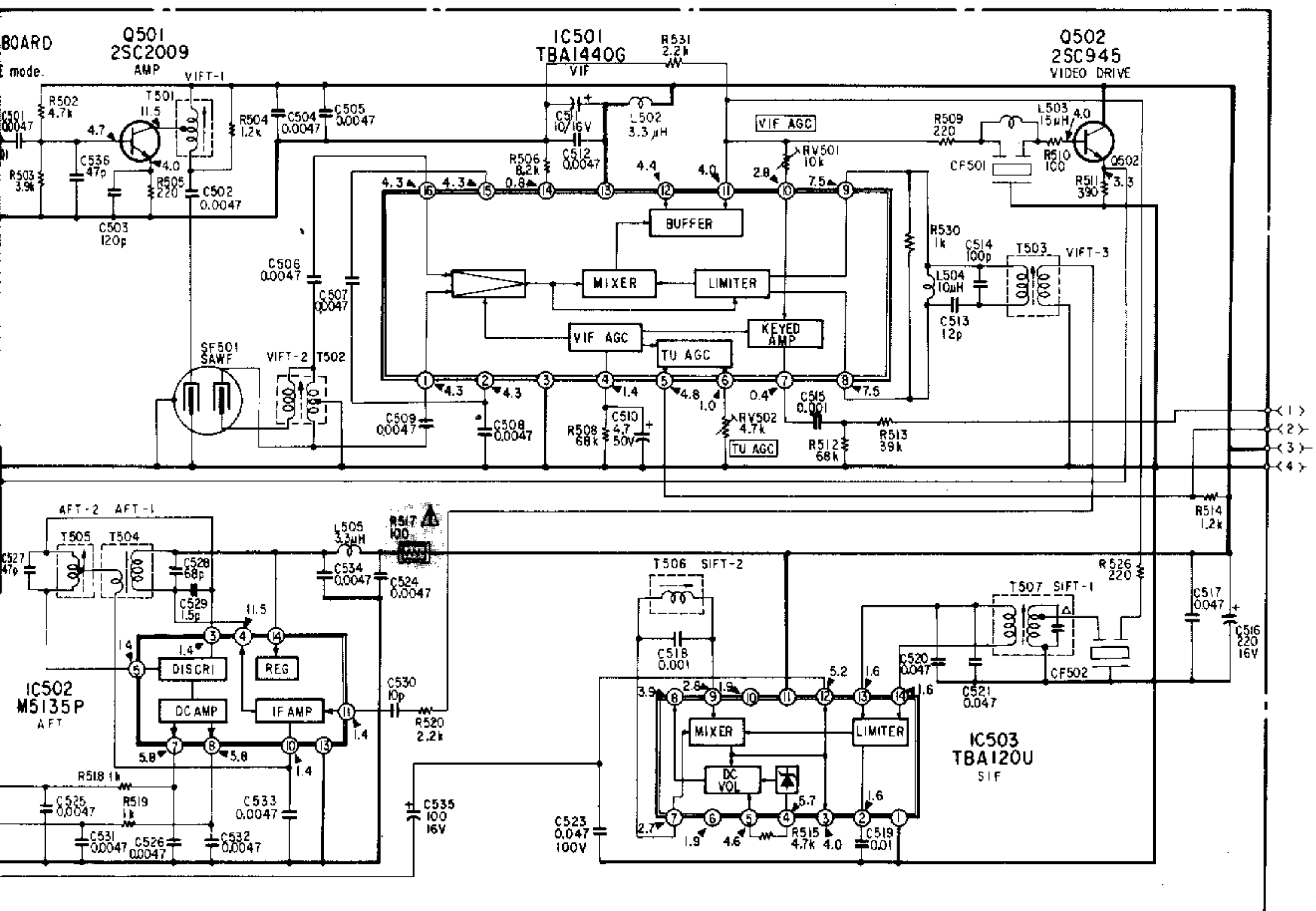
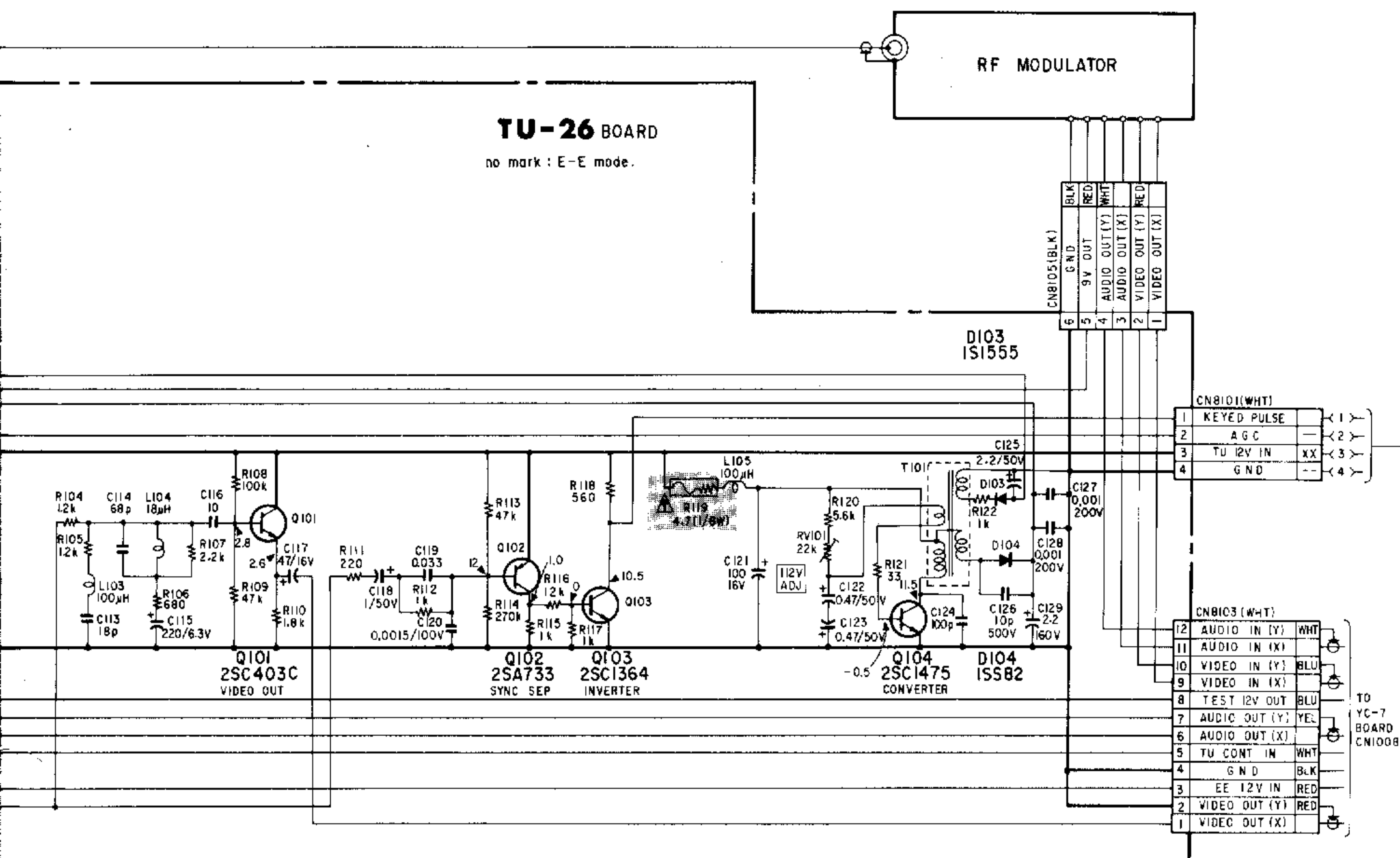
C

D



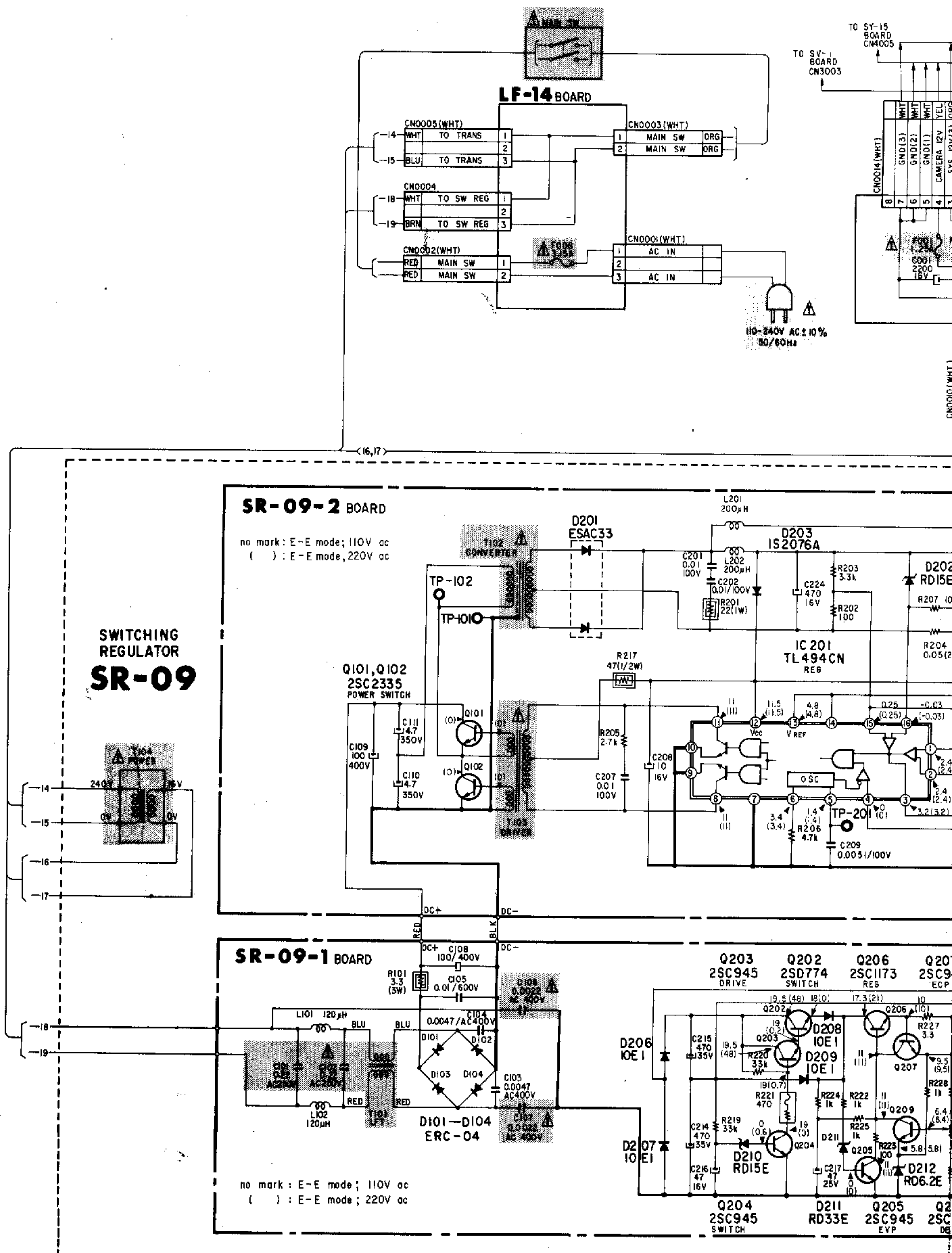
TU-26 BOARD

no mark : E-E mode.



SL-T7ME

LF-14 (LINE FILTER), FS-8 (FUSE), SR-09 (SWITCHING MODE REG) AND TM-13, TM-14 & TM-15 (PROGRAM TIMER C
– Ref. No. LF-14, FS-8 BOARDS: 0001 Series TM-13, TM-14 & TM-15 BOARD: 7,000 Series SR-09 BOARDS: 9,000 Series CHASSIS: 9,500 Series –



POWER SUPPLY, TIMER

TO LS-3 BOARD CN3502

TO SY-14 BOARD CN4504

FS-8 BOARD

Q201 2SA733 SOFT START CONTROL

Q208 2SD774 COMV

D204 IS2076A

D205 IS2076A

D213 IS2076A

T201 INVERTER

C201 1000 16V

C202 2200/16V

C203 1000 16V

C204 1000 16V

C205 0.1

C206 0.1

C207 0.1

C208 0.1

C209 0.1

C210 1000 16V

C211 33 10V

C212 1k

C213 1k

C214 1k

C215 1k

C216 1k

C217 1k

C218 1k

C219 1000 16V

C220 0.015

C221 47 16V

C222 33 35V

R201 10k

R202 10k

R203 10k

R204 10k

R205 10k

R206 10k

R207 10k

R208 10k

R209 10k

R210 4.7k

R211 4.7k

R212 1k

R213 4.7k

R214 10k

R215 10k

R216 47k

R221 2.2k

R222 1k

R223 1k

R224 1k

R225 1k

R226 1k

R227 1k

R228 1k

R229 4.7k

RV201 300

RV202 20k

RV203 1k

RV204 1k

RV205 1k

RV206 1k

RV207 1k

RV208 1k

RV209 1k

RV210 1k

RV211 1k

RV212 1k

RV213 1k

RV214 1k

RV215 1k

RV216 1k

RV217 1k

RV218 1k

RV219 1k

RV220 1k

RV221 1k

RV222 1k

RV223 1k

RV224 1k

RV225 1k

RV226 1k

RV227 1k

RV228 1k

RV229 1k

RV230 1k

RV231 1k

RV232 1k

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RV406 1k

RV407 1k

RV408 1k

RV409 1k

RV410 1k

RV411 1k

RV412 1k

RV413 1k

RV414 1k

RV415 1k

RV416 1k

RV417 1k

RV418 1k

RV419 1k

RV420 1k

RV421 1k

RV422 1k

RV423 1k

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RV426 1k

RV427 1k

RV428 1k

RV429 1k

RV430 1k

RV431 1k

RV432 1k

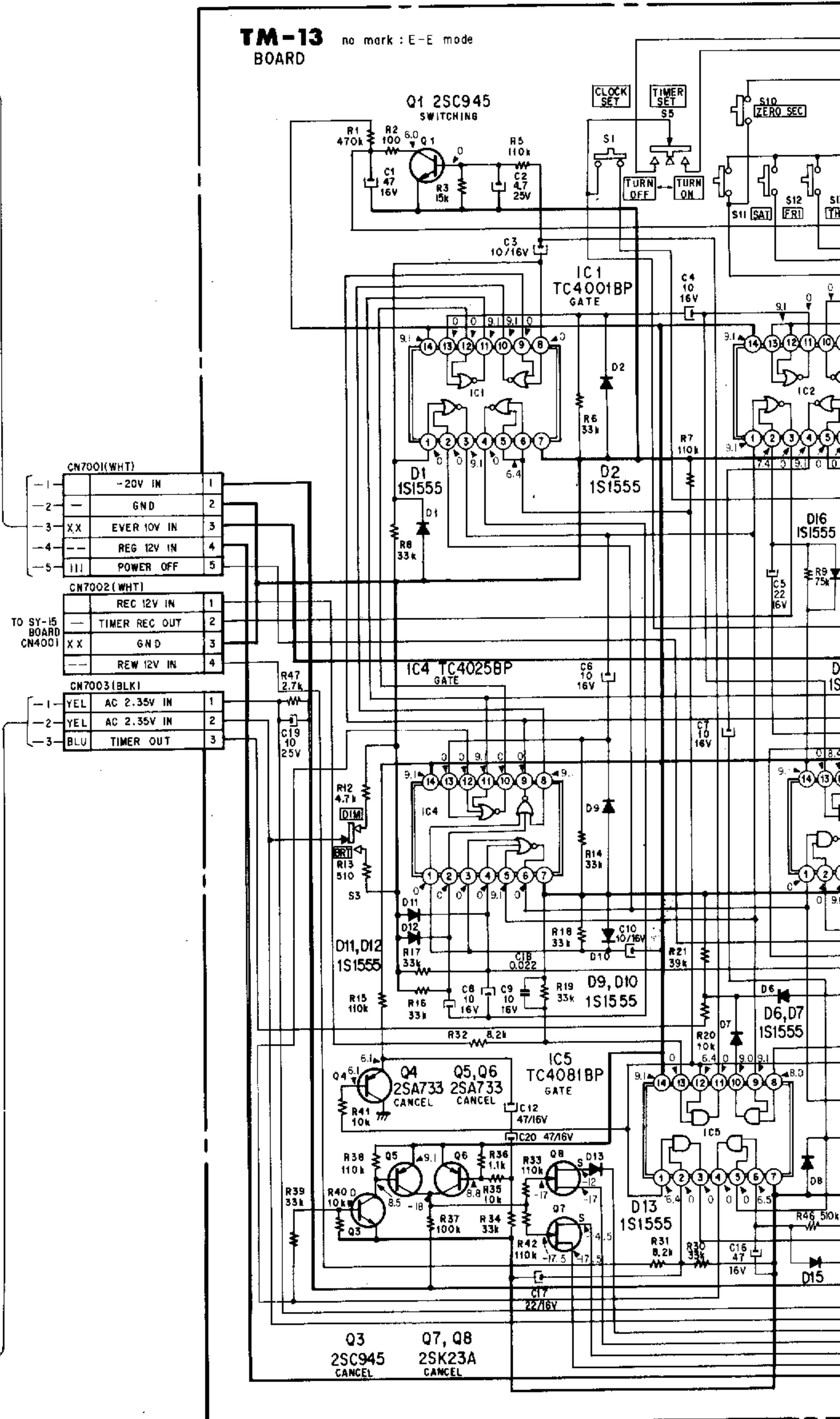
RV433 1k

RV434 1k

RV435 1k

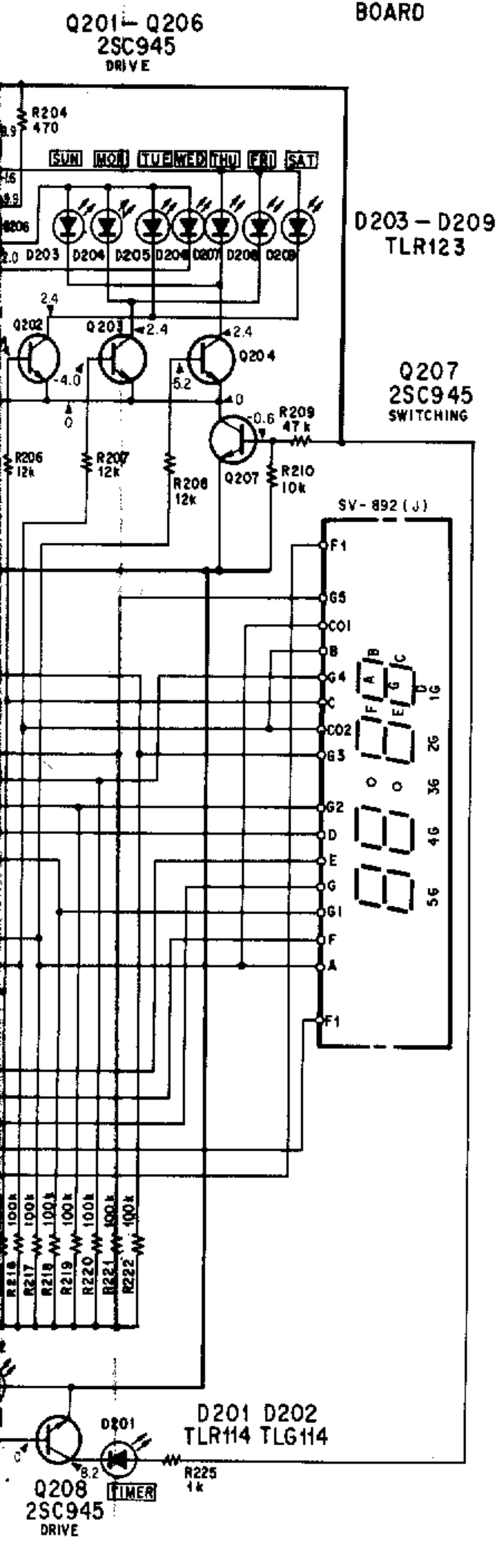
RV436 1k

RV437 1k





k: E-E mode

TM-15
BOARD

NOTES:

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k Ω = 1000 Ω ; M Ω = 1000k Ω
- All capacitors are in μ F unless otherwise noted.
p : μ F 50WV or less are not indicated except for electrolytics.
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