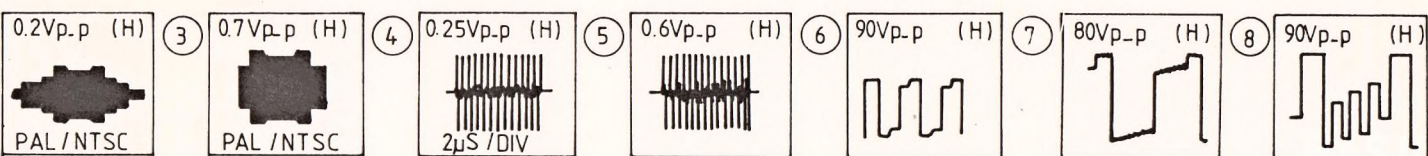
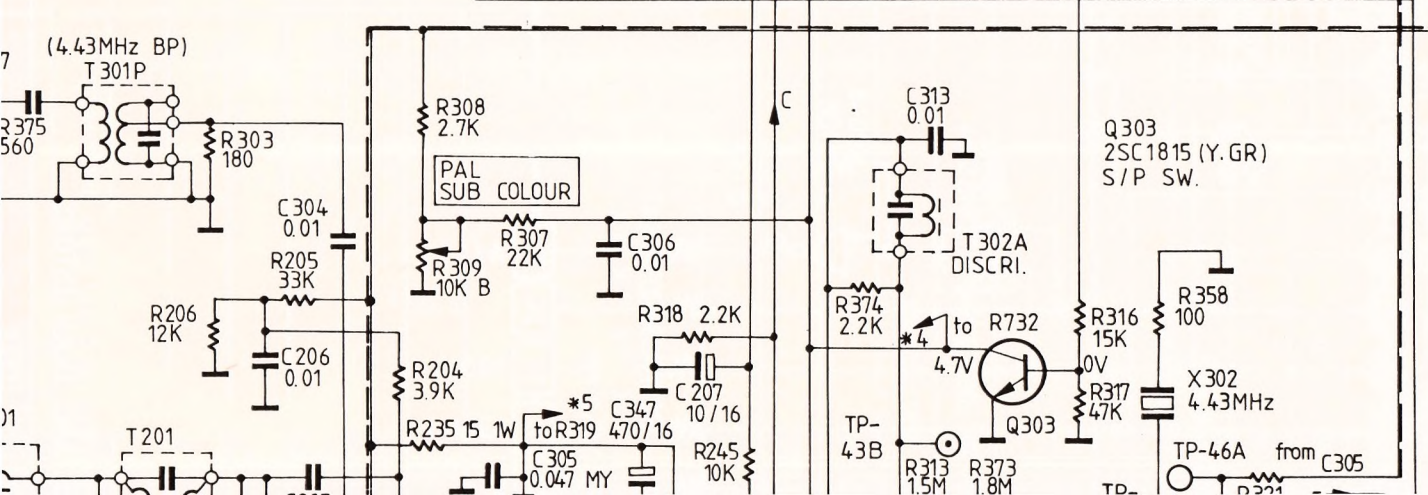
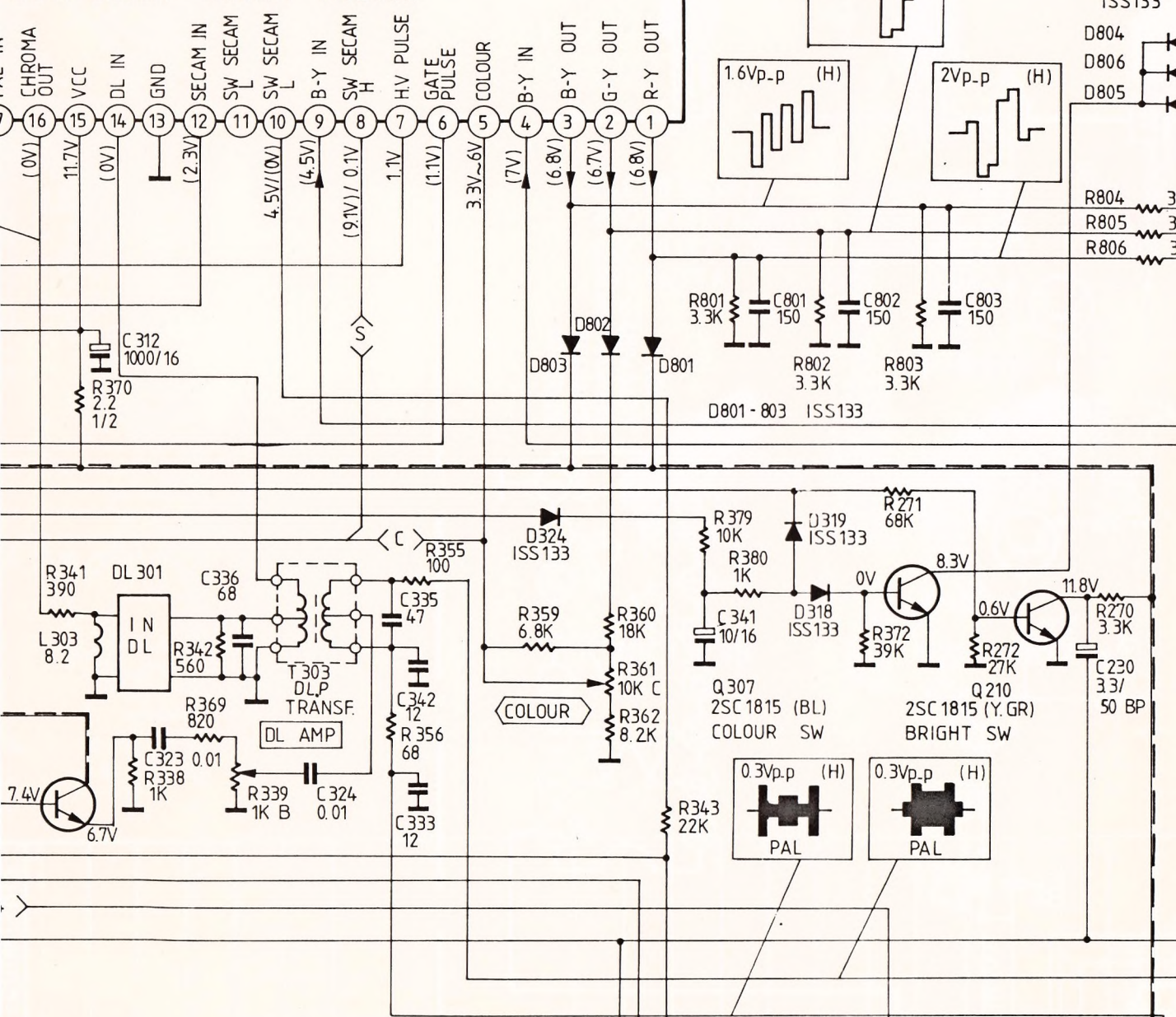


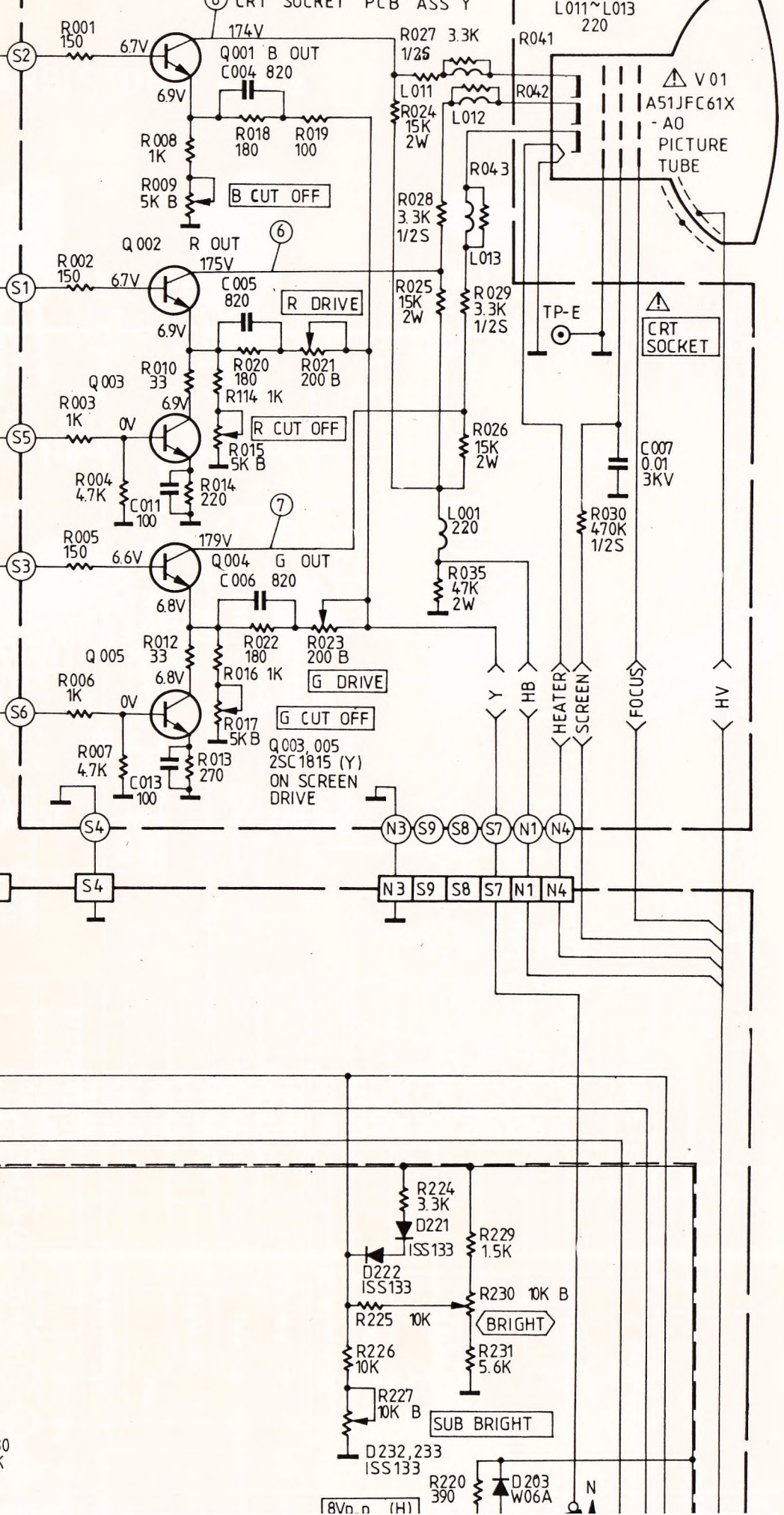
JVC C-210EE



SBX-S002A SECAM MODULE

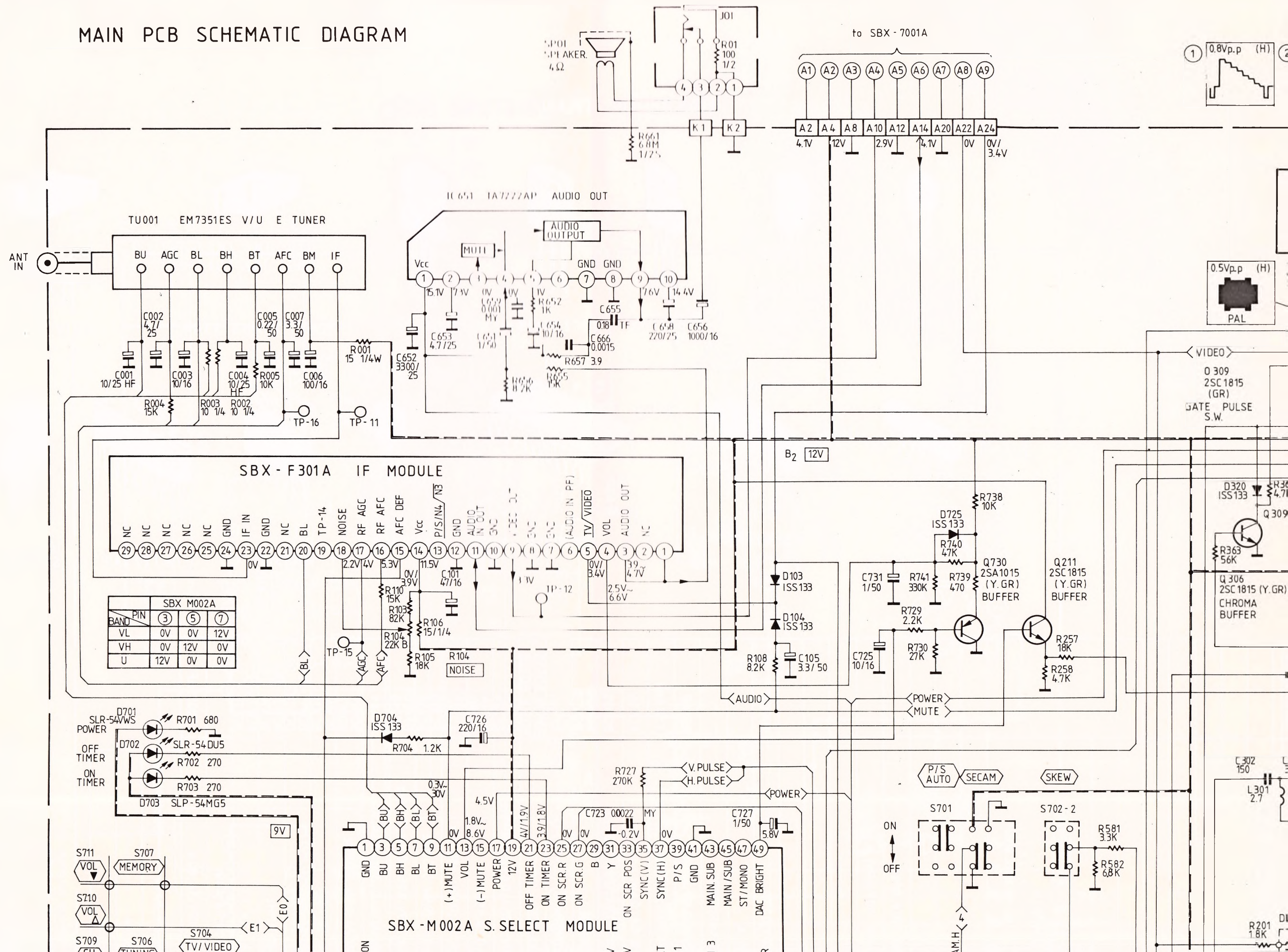


SBX-3002A

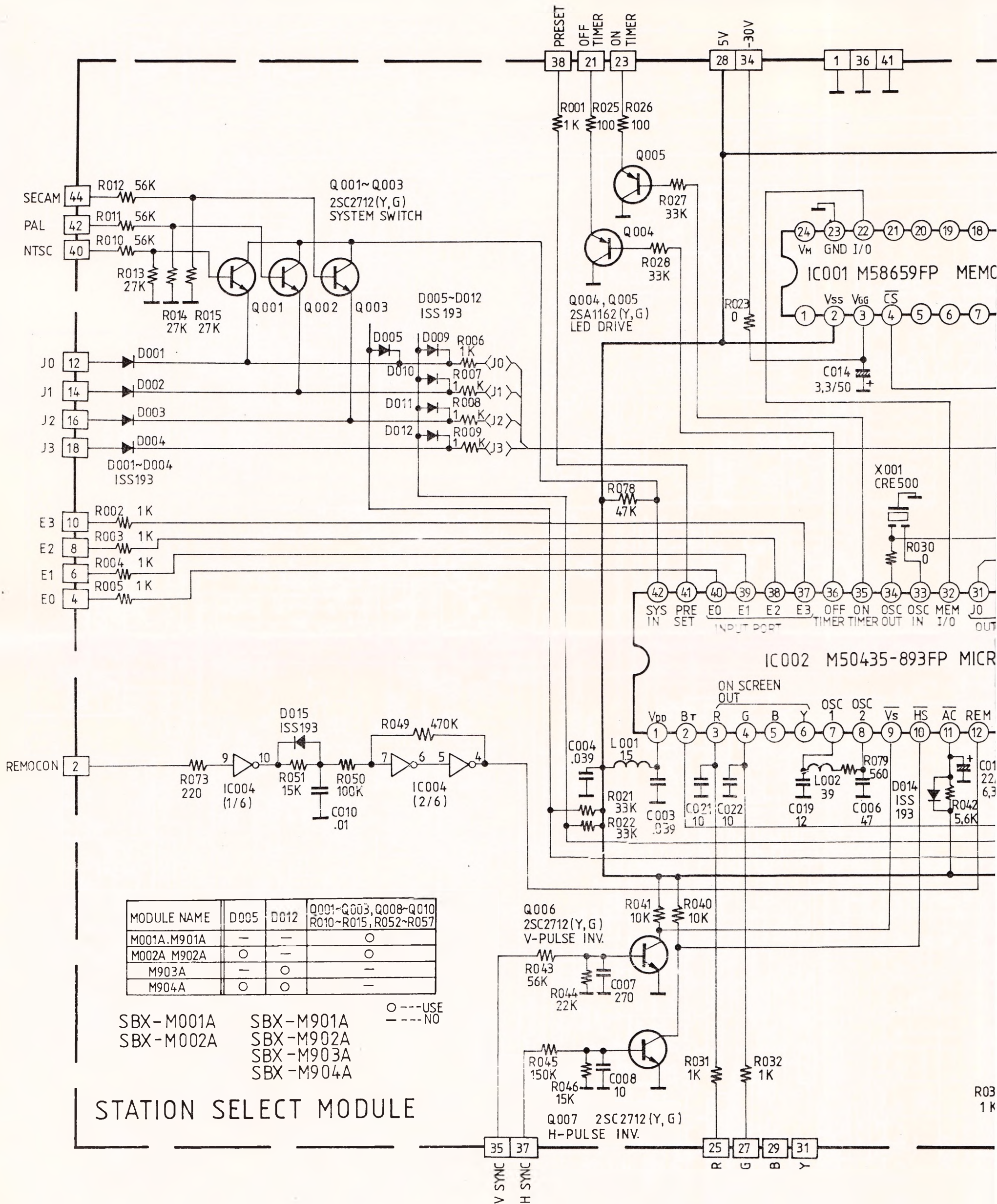




MAIN PCB SCHEMATIC DIAGRAM



S.SELECT MODULE SCHEMATIC DI



C-210EE SCHEMATIC DIAGRAM

NOTICE

o Voltage values and waveforms are measured by respectively receiving and displaying on the screen the

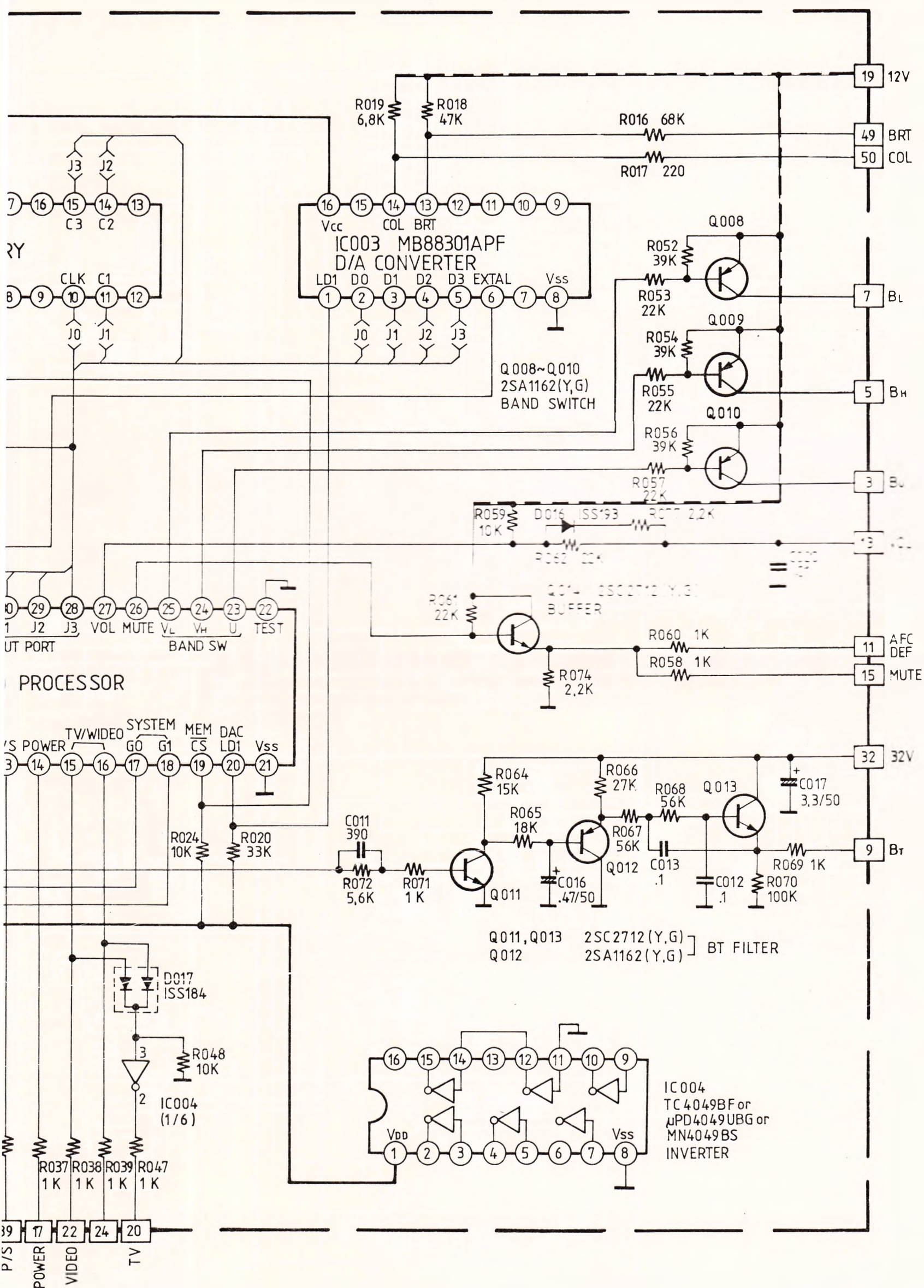
o Type

Without indication : Ceramic capacitor

MY : Mylar capacitor

LIST OF DIOD

GRAM (SBX M002A)



[Voltage value display method]
The voltage values indicated within the circuits denote those obtained when PAL colour bar signals are received and displayed on the screen. However, as for those points where the voltage values are caused to vary by input signals (SECAM); discrimination is effected by indicating as per an example [Example: (4.2V)].
Multimeter used.

DC 20 k Ω /V

Given figures are all DC voltages.

Sweep speed of oscilloscope

H $\rightarrow$ 20 μ S/div. V $\rightarrow$ 5 mS/div.

Others $\rightarrow$ sweep speed specified

- Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

SAFETY

FR (W^{FR}) denotes a fusible resistor which operates as a fuse. When replacing fusible resistors and parts indicated with black shading (■) in the circuit diagrams, be sure to ensure safety by using designated parts. As to other parts too, use designated parts to maintain safety and performance.

INDICATION OF PARTS SYMBOL

Inside board (Example) SBX-1354A: R1209 $\rightarrow$ R209

Outside board (Example) R0001 $\rightarrow$ R01

SCHEMATIC DIAGRAM INDICATION

RESISTOR

- Resistance value

Without unit: [Ω] K: [k Ω] M: [M Ω]

- Rated allowable power

Without indication: 1/6 W, Others Indicated

- Type

Without indication: Carbon resistor

OMR: Oxide metal film resistor

UNF R: Unflammable resistor

MF R: Metal film resistor

FR: Fusible resistor

Composition resistor 1/2 [W] is indicated as 1/2 S or Comp.

CAPACITOR

- Capacitance

Above 1 [pF]: Below 1 [μ F]

- Withstand voltage

Without indication: DC 50 [V]

Others: DC withstand voltage [V]

AC indicated: AC withstand voltage [V]

- Indications for electrolytic capacitors are as follows. (Example)

47/50 $\rightarrow$ capacitance [μ F] withstand voltage [V]

PP: Polypropylene capacitor
MPP: Metalized polypropylene capacitor
NP: Nonpolar electrolytic capacitor
BP: Bipolar electrolytic capacitor
TAN.: Tantalum capacitor

COIL

Without unit: [μ H]

CONNECTION METHOD

□: Connector $\rightarrow$: Receptacle

○ ○: Wrapping or soldering

POWER SUPPLY

—: B₁(115V) —: B₂(12V)

—: 9V —: 5V

TEST POINT & GND. SYMBOL

⦿: Test point by miniature GT pin

○: Only test point display

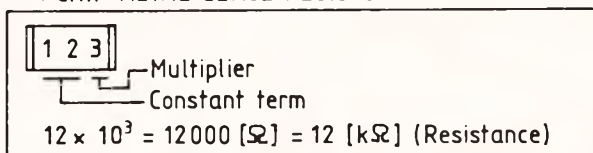
⊥: Live (Primary) side ground

⊥: Neutral (Secondary) side ground

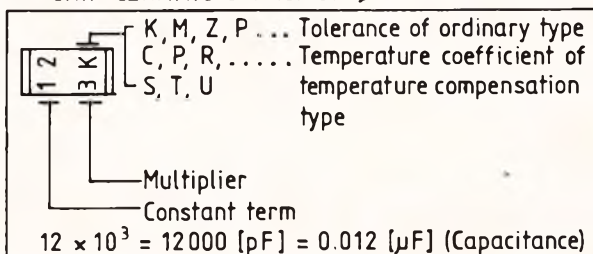
HOW TO READ CHIP COMPONENTS

(Chip parts are used each module)

< CHIP METAL GLAZE RESISTOR >



< CHIP CERAMIC CAPACITOR >

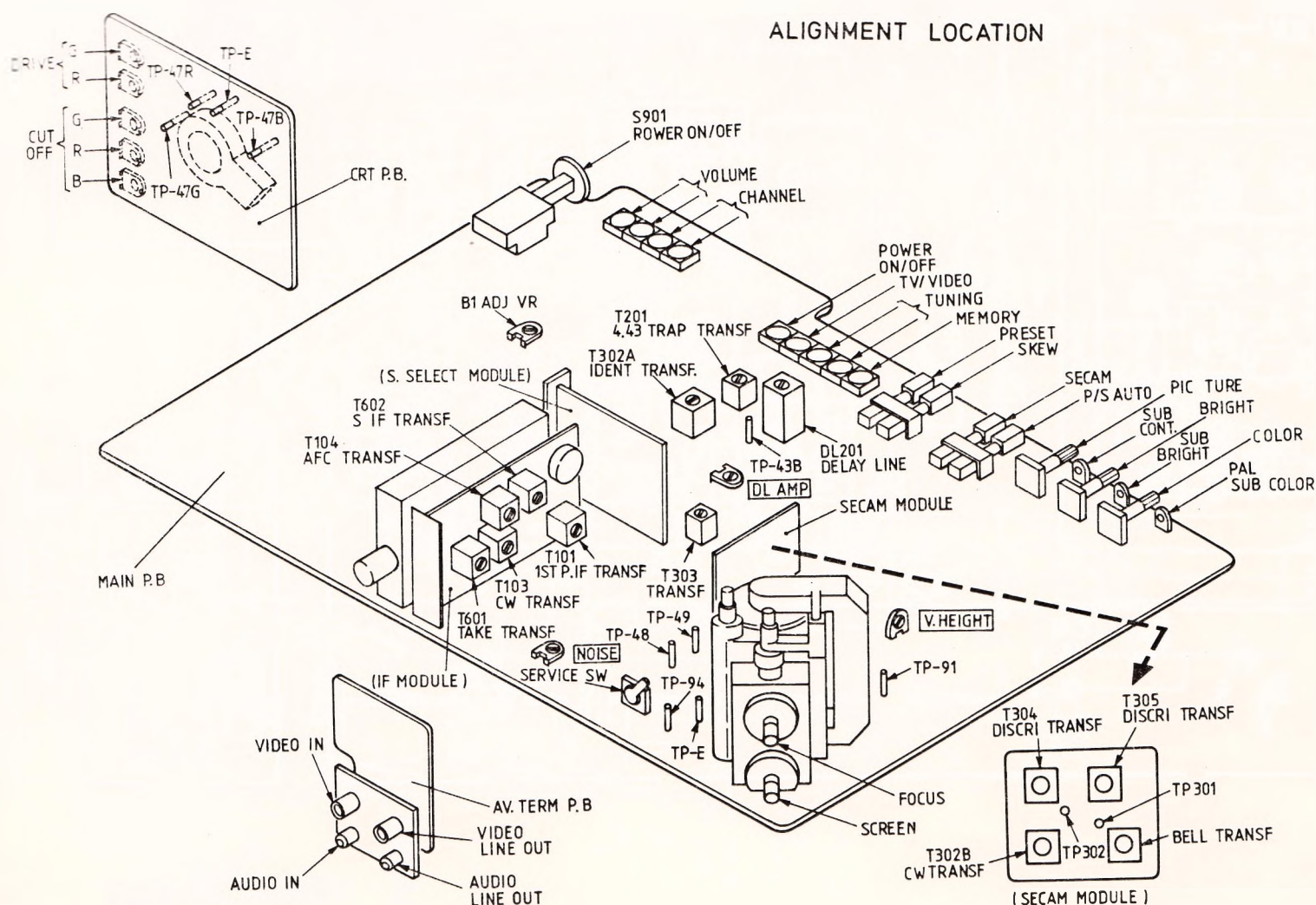


< CHIP TRANSISTOR >

Part No.	Display method
2SC2778 (B,C)	denotes 2SC2778 parts ranking: B
2SA1022 (C)	denotes 2SA1022 parts ranking: C

< CHIP DIODE >

Part No.	Display method
MA151WK	denotes MA151 parts ranking: T



ALIGNMENT LOCATION

EU2A	Si; 600V; 1A; 200
RH-1S	
DFA1A4	
MA4030	
MA4056	
MA4068	
MA4075	
MA4091	
RD5.6ES	RD2.0E...120 Zener diode 2
RD8.2E	
RD9.1E	
RD20E	
RU4B	
RU1C	
05AZ75	Si; Zener diode
1SS82	Si; Fast switch;
1SS133	Si; Fast switch.
1SS184	
1SS193	
1SS146	
W06A,B,C	Si; Di; Uni; 50...
1SR35-100	Si; Uni; Rect. 60
2SA673	Si; PNP; Uni; 35
2SA1013	Si; PNP; CTV-N
2SA1015	Si; PNP; Uni; 50
2SA966	Si; PNP; NF-Tr/
2SA1162	Si; PNP; Uni; 50
2SB709	Si; PNP; 25V; 0.1
2SB822	Si; PNP; Uni; 40V
2SC1360	Si; NPN; HF/ZF;
2SC1627	Si; NPN; Uni; 70
2SC1815	Si; NPN; Uni; 60
2SC1959	Si; NPN; Uni; 35
2SC2229	Si; NPN; NF-Tr;
2SC2371	Si; NPN; Vid-L;
2SC2655	Si; NPN; NF/S;
2SC2712	Si; NPN; 60V; 0.1
2SC2715	Si; NPN; 35V; 0.
2SD601	Si; NPN; 30V; 0.1
2SD1030	Si; NPN; 50V; 0.0
2SD1274	Si; NPN; NF/S-I
2SD1427	Si; NPN; Di/TV-
TYPE	SHORT DESCR
GZA5.1X	Zener diode 5.1
GZA5.6Y	Zener diode 5.6

Abbreviations:

Si-silicon; U
CTV-cable ar
frequency; VA
Tr-driver; E-
ZF-intermedi
horizontal de
Di-damper d

BASIC OF TRANSISTORS & ICs



2SC1815(Y)
2SC1815(Y), GR)
2SC1015(Y, GR)
2SC1627A



2SB1013(O)
2SA 966
2SC2655(Y)



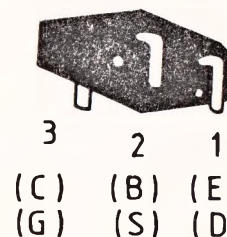
2SB1274A



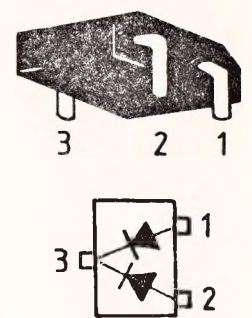
2SC2371 (K-M)



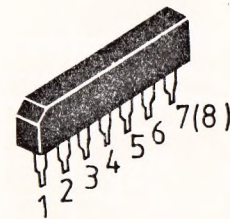
2SD1426



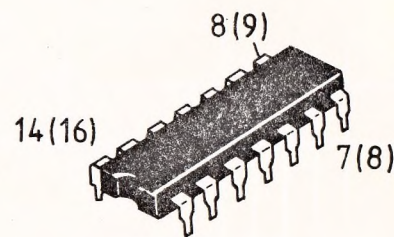
CHIP TRANSISTOR



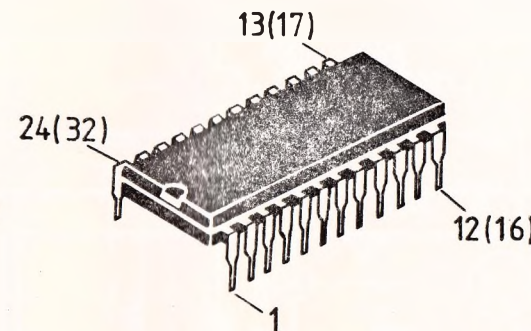
CHIP DIODE



IC
μPC1373H



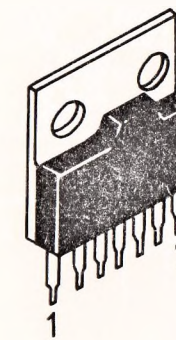
IC
M51346AP



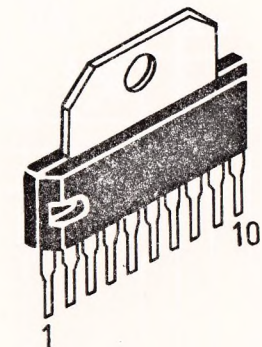
IC
M51309SP



IC
AN 78L05



IC
AN5515



IC
TA7222AP



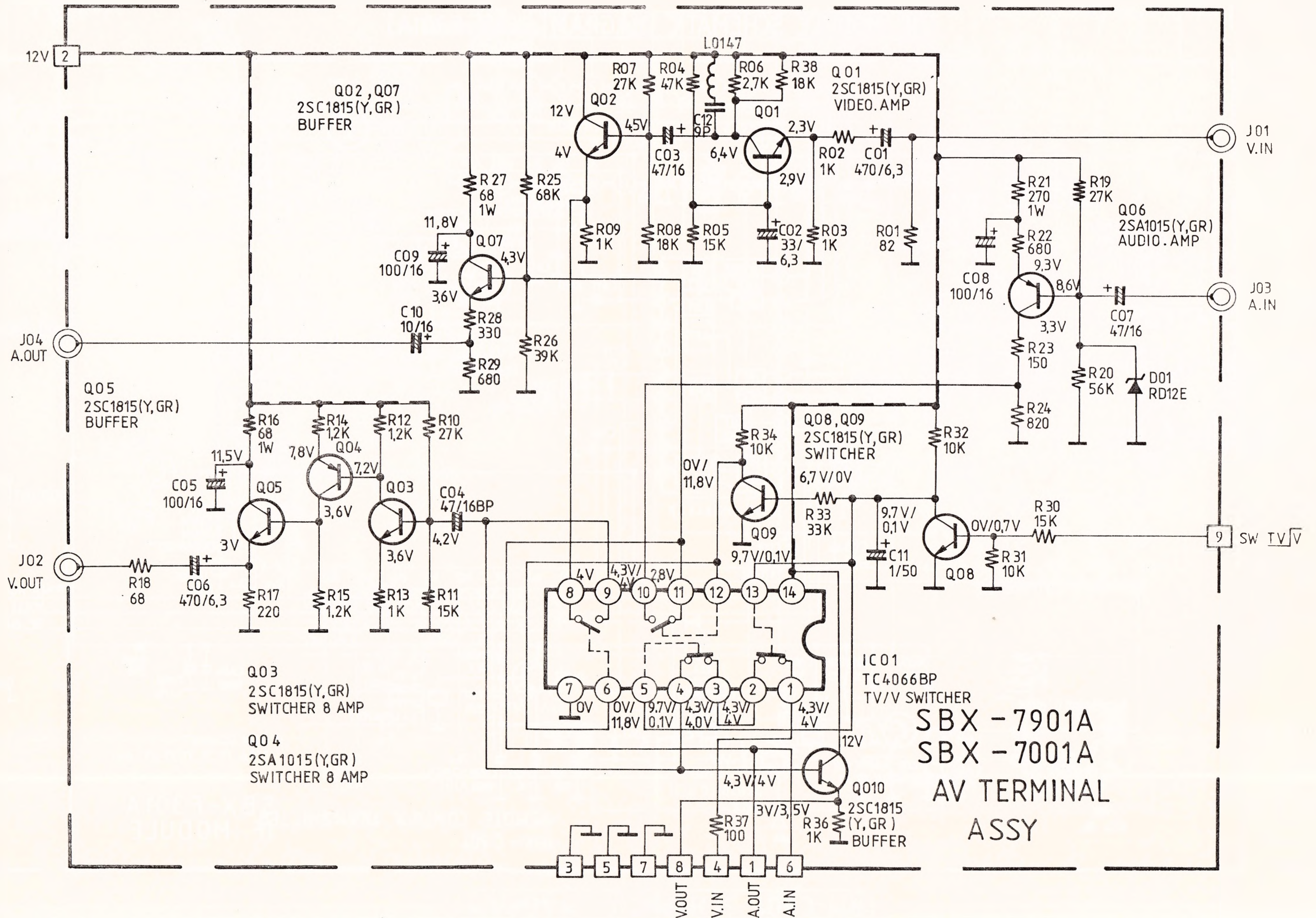
IC
STR 5 40 41 S

DESCRIPTION; DATA	EQUIVALENTS
ns; Fast recovery; Gen. purp. rect.	
NEC]	
120V/0,4W	
7,5V;	
Det. 200V; 0,16A;	
diode; 100V (BRV); 0,2A	
200V; 0,75A	1N4007
V; 1A	
TRANSISTORS	
; 0,5A; 0,4W; 50MHz	BC640
(VA; 160V; 1A; 0,9W; >15MHz	(2 SB861)
; 0,15A; 0,4W; >80 MHz	BC556
; 30V; 1,5A; 0,9W; 120 MHz	BD530
; 0,15A	BCW69 BCW70
; 80MHz	BCX71 BCW61
2A; 0,75W; 100 MHz	BD508; BD530 BD516; BD526
0V; 0,05A; 0,65W; 500 MHz	BF194 BF224
; 0,2A; 150 MHz	BC174 BC190
; 0,15A; 0,4W; >80 MHz	BC546 BC414
; 0,5A; 0,5W; 300 MHz	BC338 BC639
liod; 200V; 0,05A; 0,8W; 120 MHz	BF420A BF298
V-HA/VA-Tr; 300V; 0,1A; 10W	BF459
VV; 2A; 0,9W; 100 MHz	BD529 BD517
A; 150 MHz	BCW65 BCX19
5A; 150 MHz	BCW71-72 BCX70
; 150 MHz	BCW31-33 BCX70
A; 0,2W	BCW71-72 BCX70
150V; 5A; 40W	
A; 1500V; 5A; 80W	S2055AF

SBX-S 901A
SBX-S 002A
SECAM MODULE

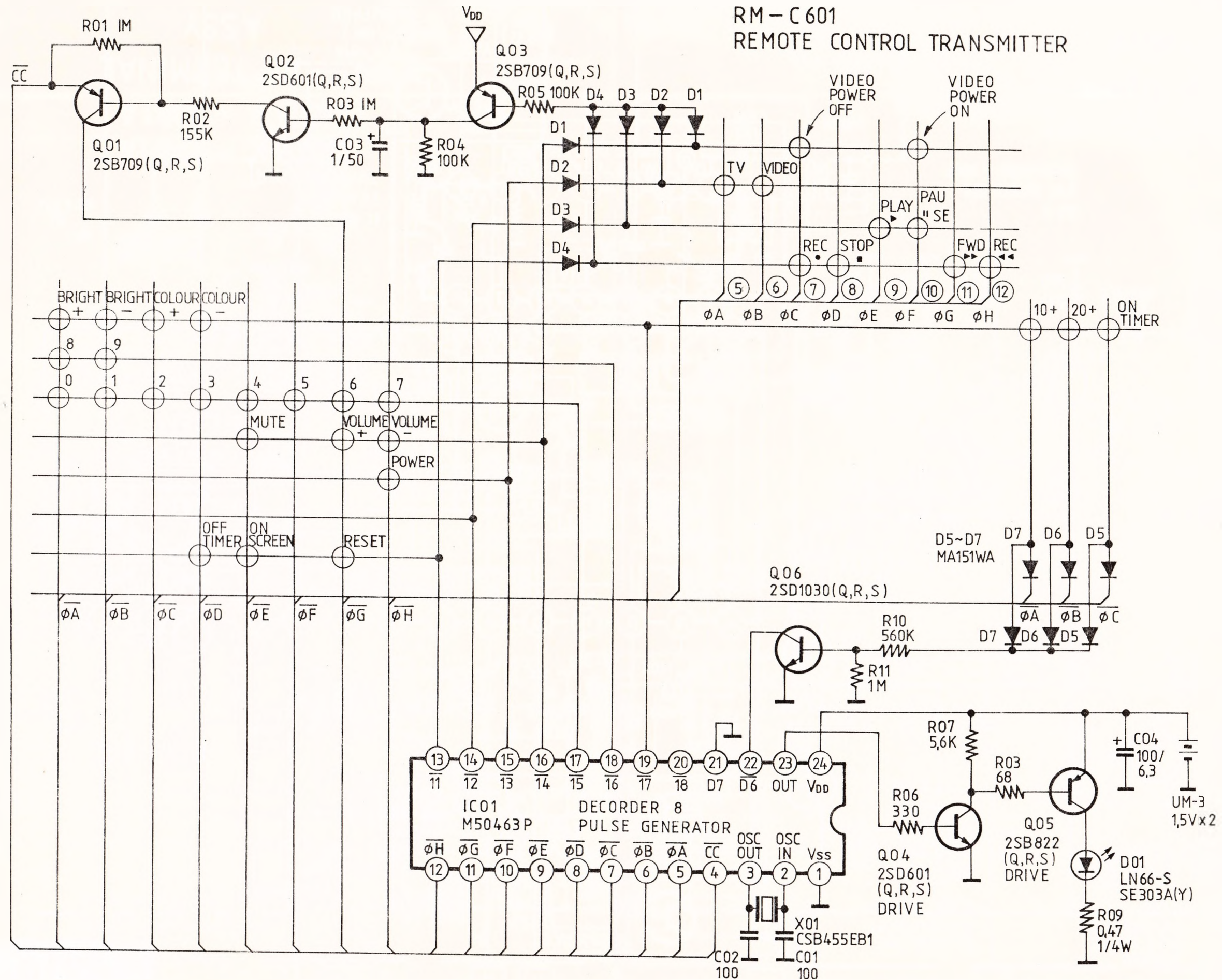


AV TERMINAL (SBX 7001A)



RM-C 601 SCHEMATIC DIAGRAM

RM-C 601 REMOTE CONTROL TRANSMITTER



IF MODULE SCHEMATIC DIAGRAM (SBX F301A)

