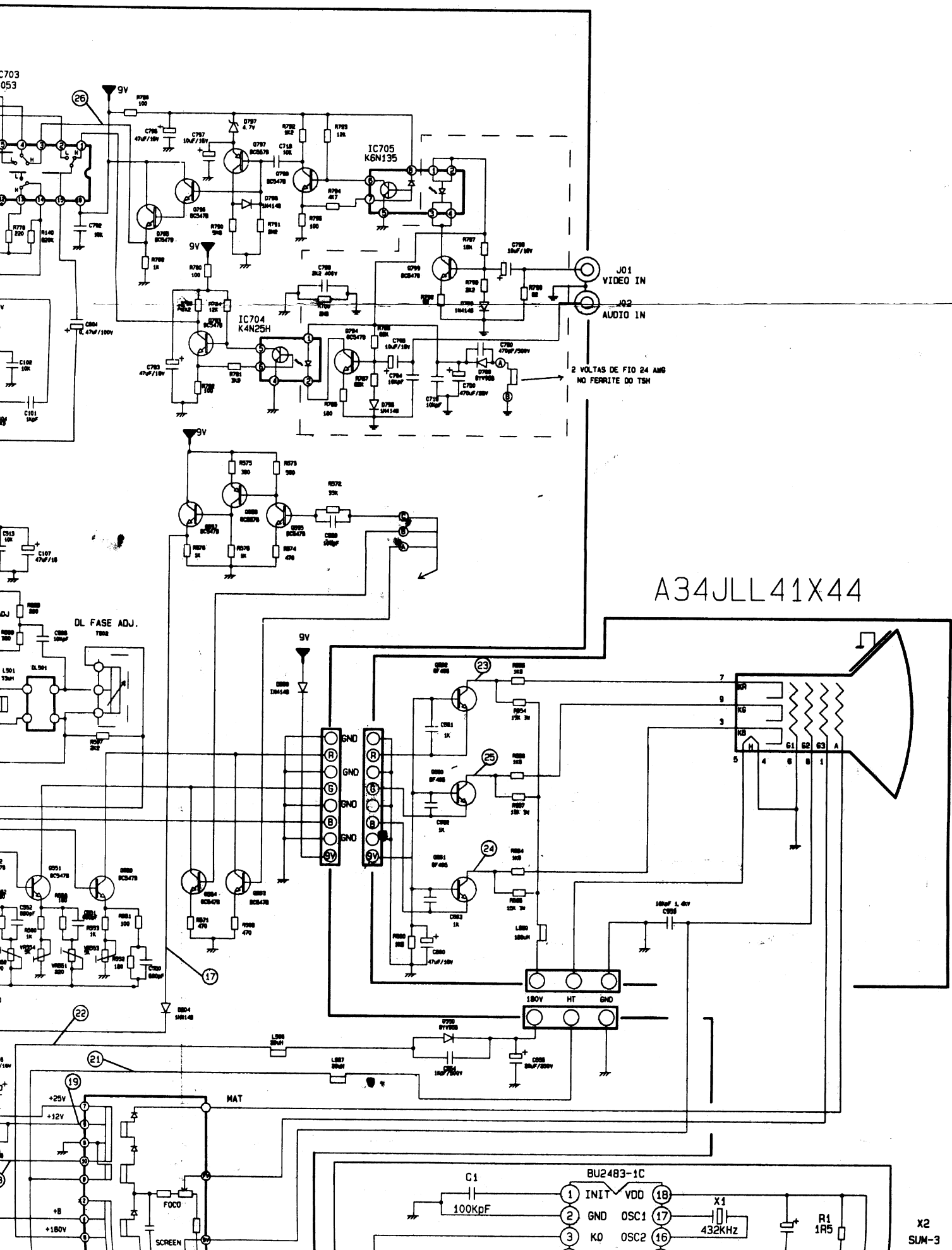
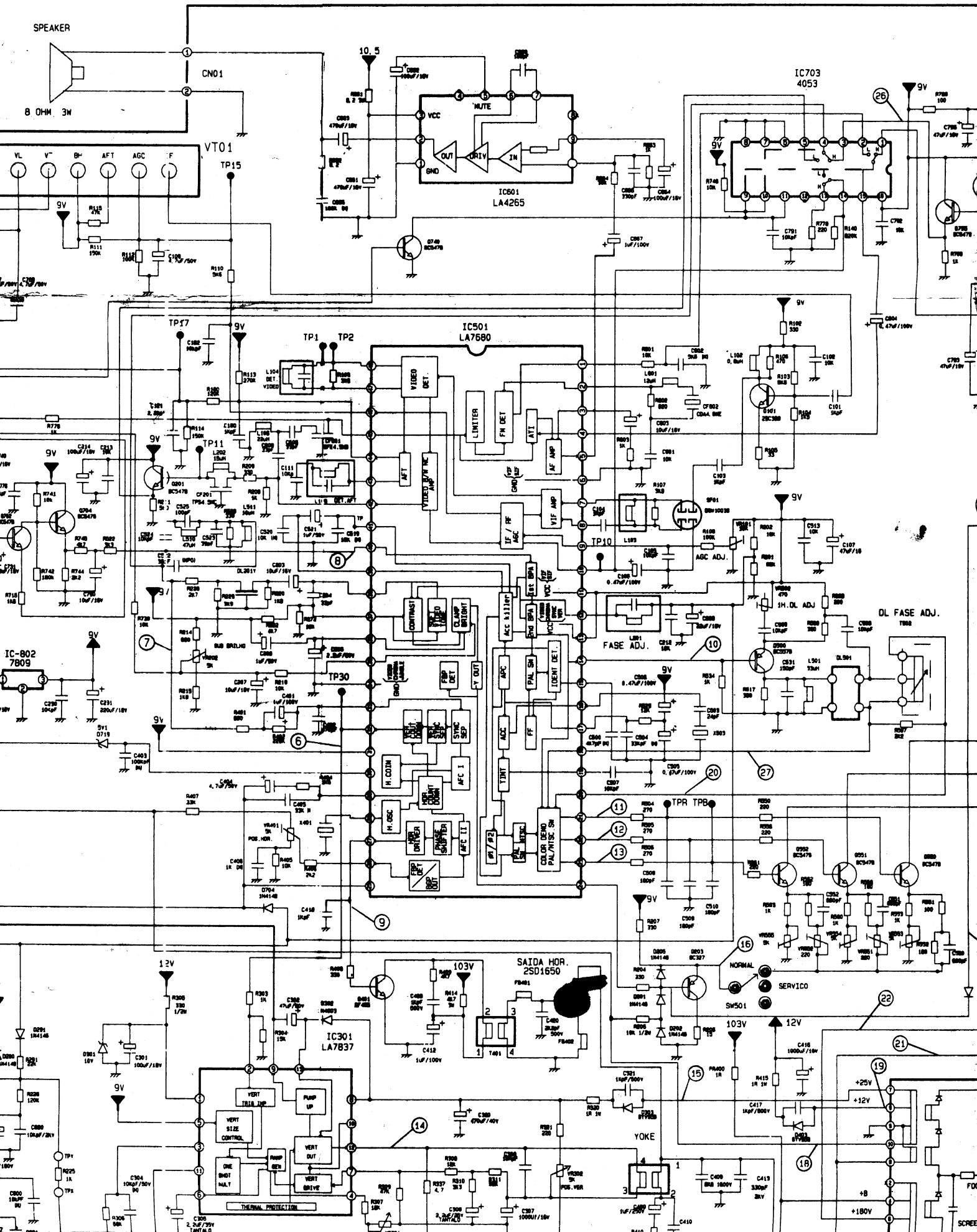
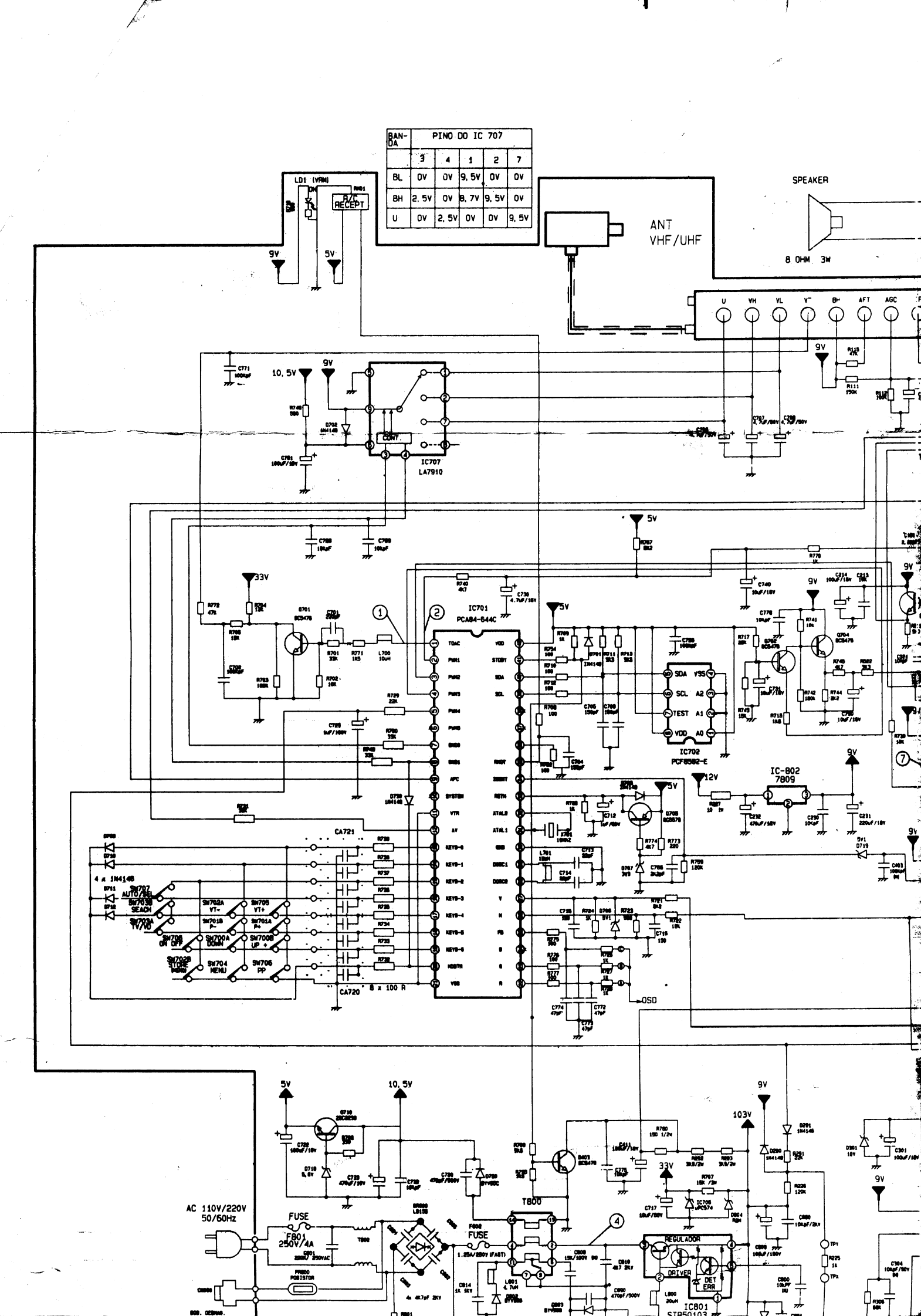
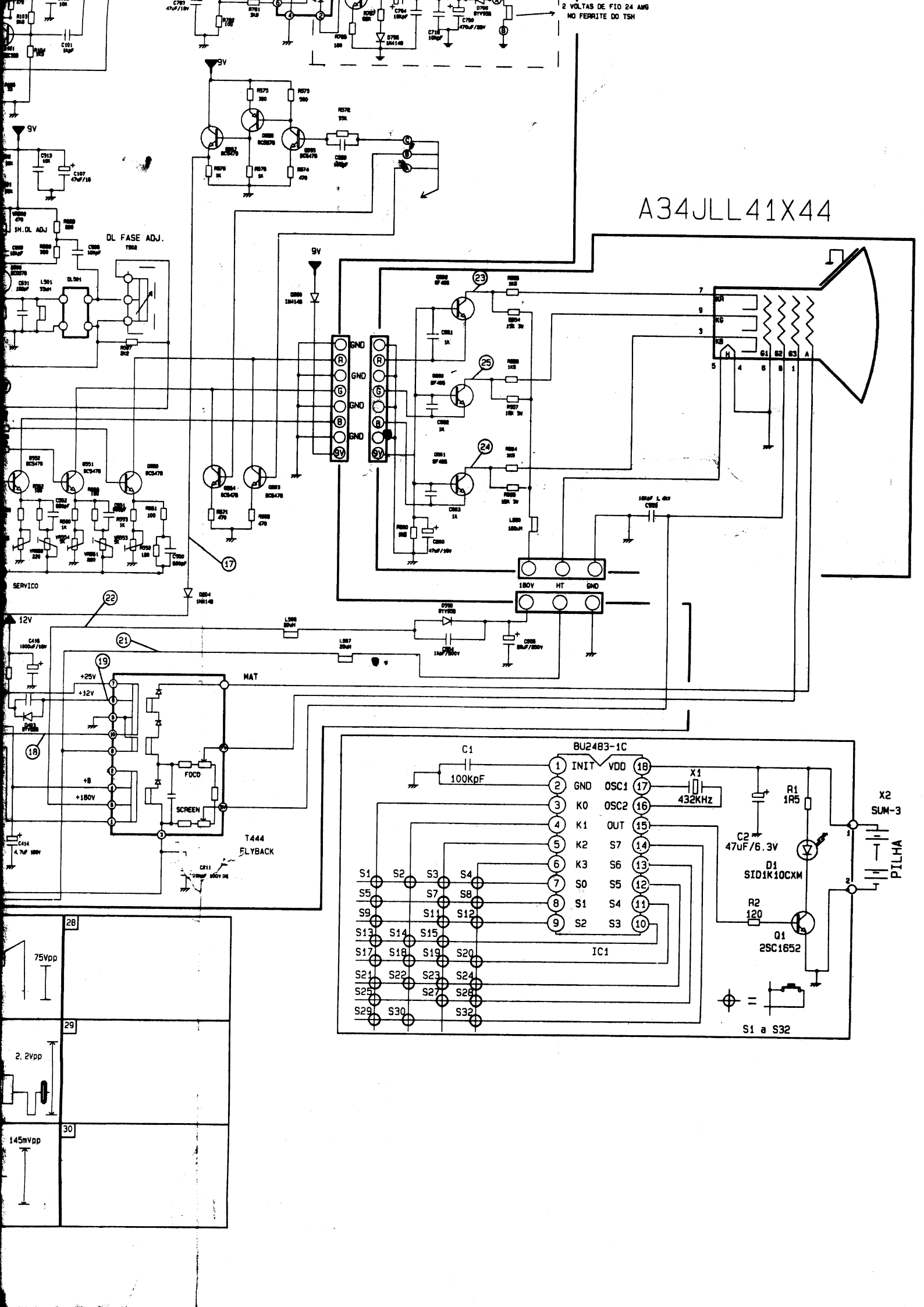
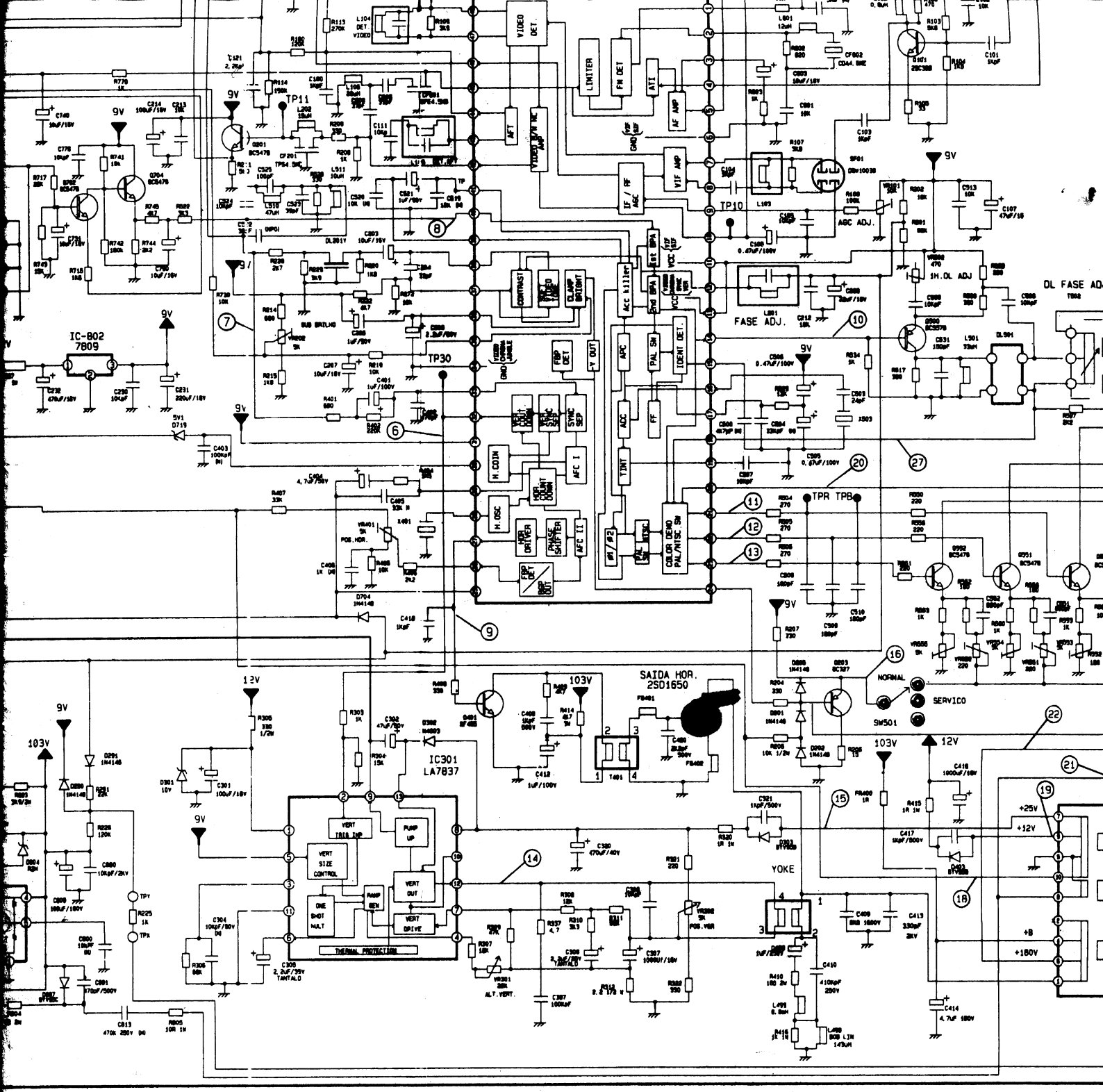
DIAGRAMA ESQUEMÁTICO - HPS- 1490 E

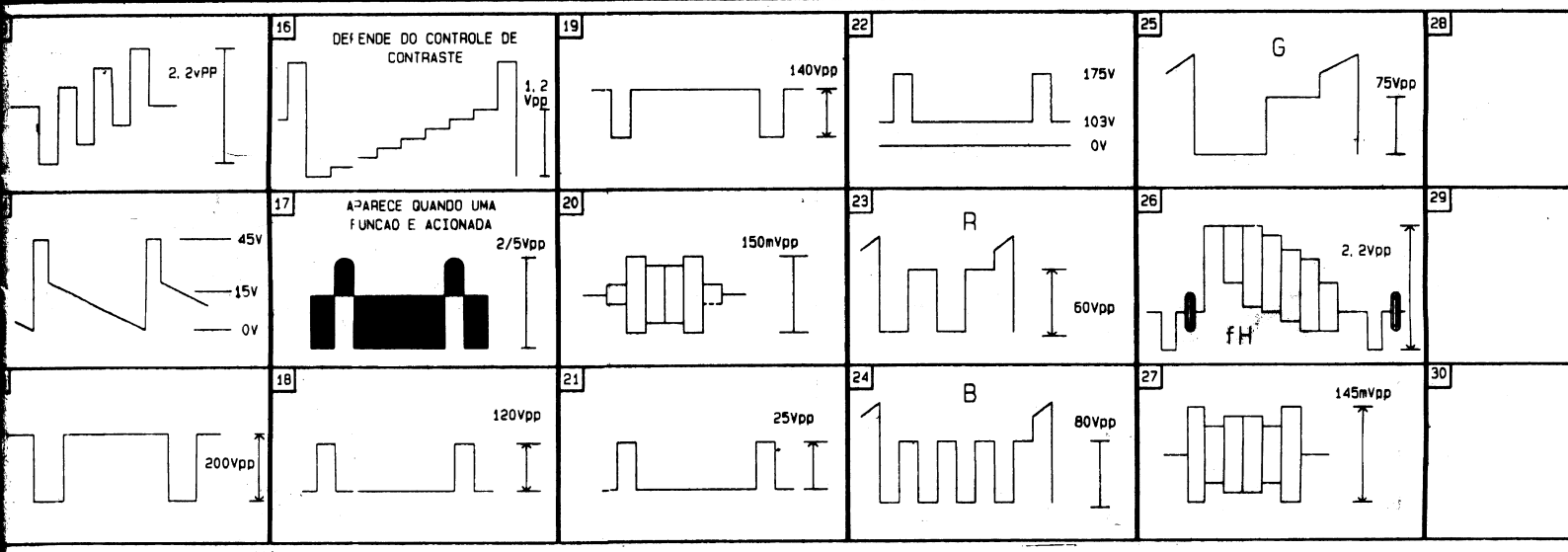


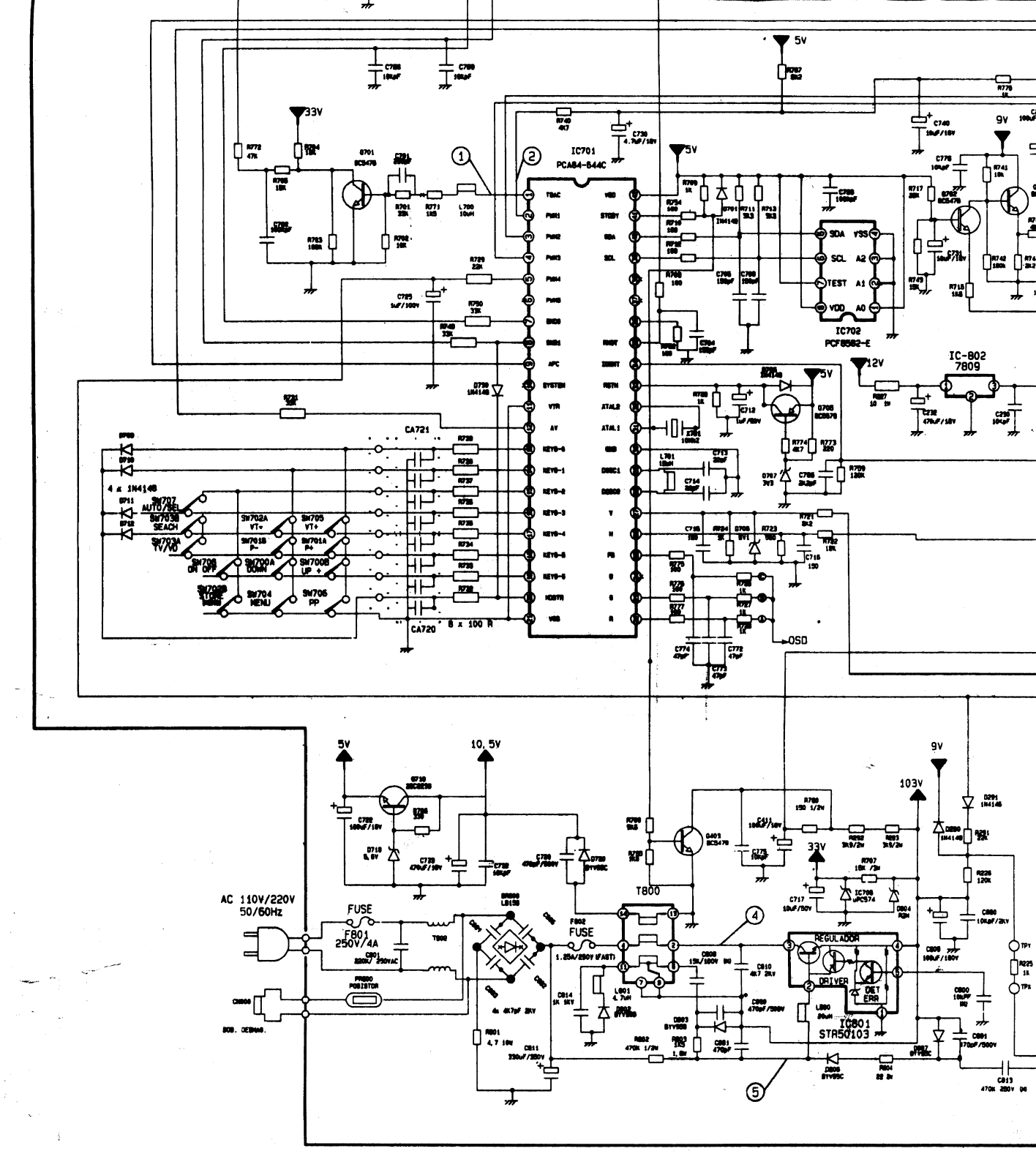

SPEAKER
CN01
8 OHM 3W
VT01
VL
V-
B+
AFT
AGC
F
TP15
9V
10.5
IC601
LA4265
MUTE
VCC
OUT
DRIV
IN
GND
IC703
4053
IC501
LA7680
TP17
TP1
TP2
TP11
TP10
TP30
TP TPB
VIDEO DET.
LIMITER
FM DET
ATT
AF AMP
AFT
VIDEO/SYNC AMP
IF / RF AGC
VIF AMP
CONTRAST
SYNC LEVEL
CLAMP BRIGHT
Acc killer
APC
PAL SW
IDENT DET.
ADC
FF
TINT
COLOR DEMO PAL/NTSC SW
H.COIN
H.OSC
AFC I
AFC II
SYNC SEP
Y OUT
AGC ADJ.
FASE ADJ.
1H.DL ADJ
DL FASE ADJ.
IC-802
7809
IC301
LA7837
SAIDA HOR.
2SD1650
VERT TRIG IMP
PUMP UP
VERT SIZE CONTROL
VERT OUT
ONE SHOT MULT
VERT DRIVE
RAMP GEN
THERMAL PROTECTION
YOKE
POS.VER
POS.HOR.
NORMAL
SERVICO
SW501
+25V
+12V
+8
+180V
SCREE

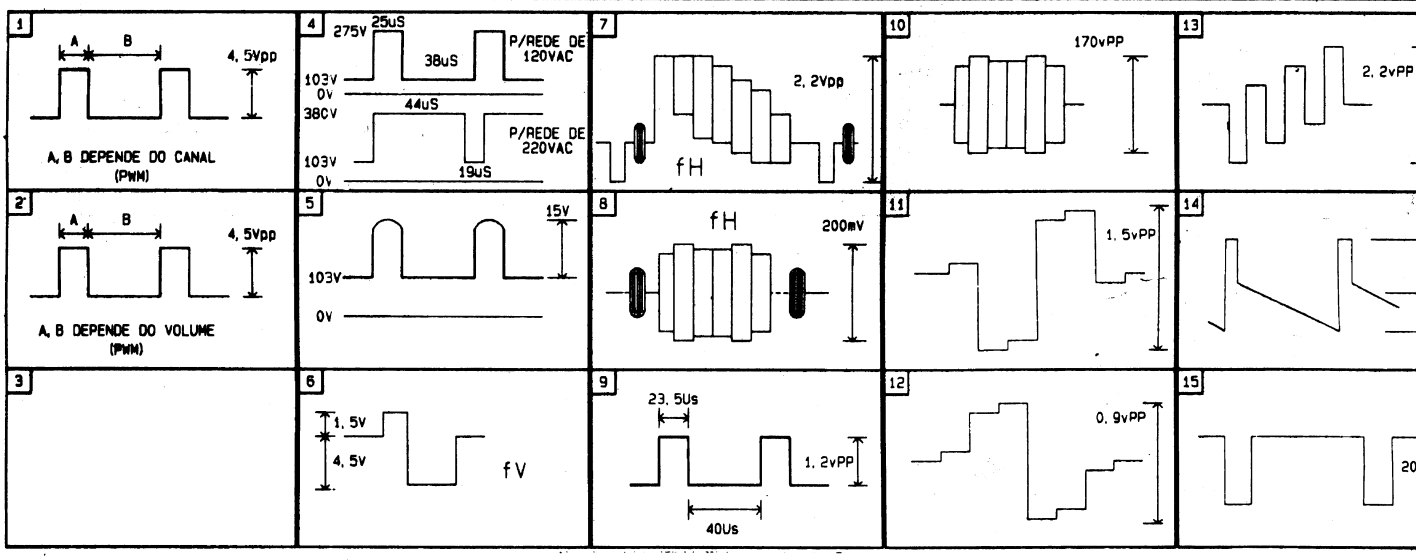

BAN-DA
PINO DO IC 707
3
4
1
2
7
BL
0V
0V
9, 5V
0V
0V
BH
2, 5V
0V
8, 7V
9, 5V
0V
U
0V
2, 5V
0V
0V
9, 5V
LD1 (VERM)
AVC RECEPT
9V
5V
ANT VHF/UHF
SPEAKER
8 OHM 3W
U
VH
VL
V
BH
AFT
AGC
10, 5V
CONT.
IC707 LA7910
33V
IC701 PCA84-644C
IC702 PCF8582-E
SDA
SCL
TEST
VDD
VSS
A2
A1
A0
12V
IC-802 7809
CA721
CA720
8 x 100 R
4 x 1N4148
SW707 AUTO/SEL
SW703B SEACH
SW703A VV/VO
SW702A VT-
SW705 VT+
SW701B P-
SW701A P+
SW700A DOWN
SW700B UP +
SW706 ON OFF
SW702B STORE
SW704 MENU
SW708 PP
OSD
AC 110V/220V 50/60Hz
FUSE
F801 250V/4A
FUSE
1.25A/250V (FAST)
T800
REGULADOR
DRIVER
DET ERR
IC801 STR50103
103V


A34JLL41X44
2 VOLTAS DE FIO 24 AWG
NO FERRITE DO TSH
9V
DL FASE ADJ.
1M.DL ADJ
SERVICO
12V
MAT
FOCO
SCREEN
T444
FLYBACK
GND
180V
HT
BU2483-1C
INIT
VDD
GND
OSC1
K0
OSC2
K1
OUT
K2
S7
K3
S6
S0
S5
S1
S4
S2
S3
IC1
C1
100KpF
X1
432KHz
C2
47uF/6.3V
R1
1R5
R2
120
D1
SID1K10CXM
Q1
2SC1652
X2
SUM-3
PILHA
S1 a S32
75Vpp
2.2Vpp
145mVpp


IC-802
7809
IC301
LA7837
SAIDA HOR.
2SD1650
SW501
NORMAL
SERVICO
YOKE
FASE ADJ.
AGC ADJ.
SH.OL ADJ
TP10
TP11
TP30
TPR TPB
VIDEO DET.
LIMITER
FM DET
AFT
AF AMP
VIF AMP
IF / RF AGC
VERT TRIG INP
PUMP UP
VERT SIZE CONTROL
ONE SHOT HALT
RAMP GEN
VERT OUT
VERT DRIVE
THERMAL PROTECTION
CONTRAST
CLAMP BRIGHT
SYNC SEP
H. OSC
H. COIN
PHASE SHIFTER
AFC I
AFC II
APC
PAL SW
IDENT DET.
ACC
TINT
FF
COLOR DEMO PAL/NTSC SW
+25V
+12V
+8
+180V


2, 2vPP
DEPENDE DO CONTROLE DE CONTRASTE
1, 2 Vpp
140Vpp
175V
103V
0V
G
75Vpp
45V
15V
0V
APARECE QUANDO UMA FUNCAO E ACIONADA
2/5Vpp
150mVpp
R
60Vpp
2, 2Vpp
fH
200Vpp
120Vpp
25Vpp
B
80Vpp
145mVpp


5V
33V
9V
12V
IC701
PCA84-644C
IC702
PCF8582-E
IC-802
7809
CA721
CA720
8 x 100 R
4 x 1N4148
SW707 AUTO/SEL
SW703B SEACH
SW703A TV/VD
SW708 ON OFF
SW702A VT-
SW702B P-
SW700A DOWN
SW705 VT+
SW701A P+
SW700B UP +
SW704 MENU
SW706 PP
OSD
10, 5V
103V
AC 110V/220V
50/60Hz
FUSE
F801
250V/4A
T800
REGULADOR
DRIVER
DET ERR
IC801
STR50103


1
4, 5Vpp
A, B DEPENDE DO CANAL (PWM)
2
4, 5Vpp
A, B DEPENDE DO VOLUME (PWM)
3
4
275V
25uS
38uS
P/REDE DE 120VAC
103V
0V
380V
44uS
P/REDE DE 220VAC
103V
0V
19uS
5
15V
103V
0V
6
1, 5V
4, 5V
fV
7
2, 2Vpp
fH
8
fH
200mV
9
23, 5Us
1, 2vPP
40Us
10
170vPP
11
1, 5vPP
12
0, 9vPP
13
2, 2vPP
14
15