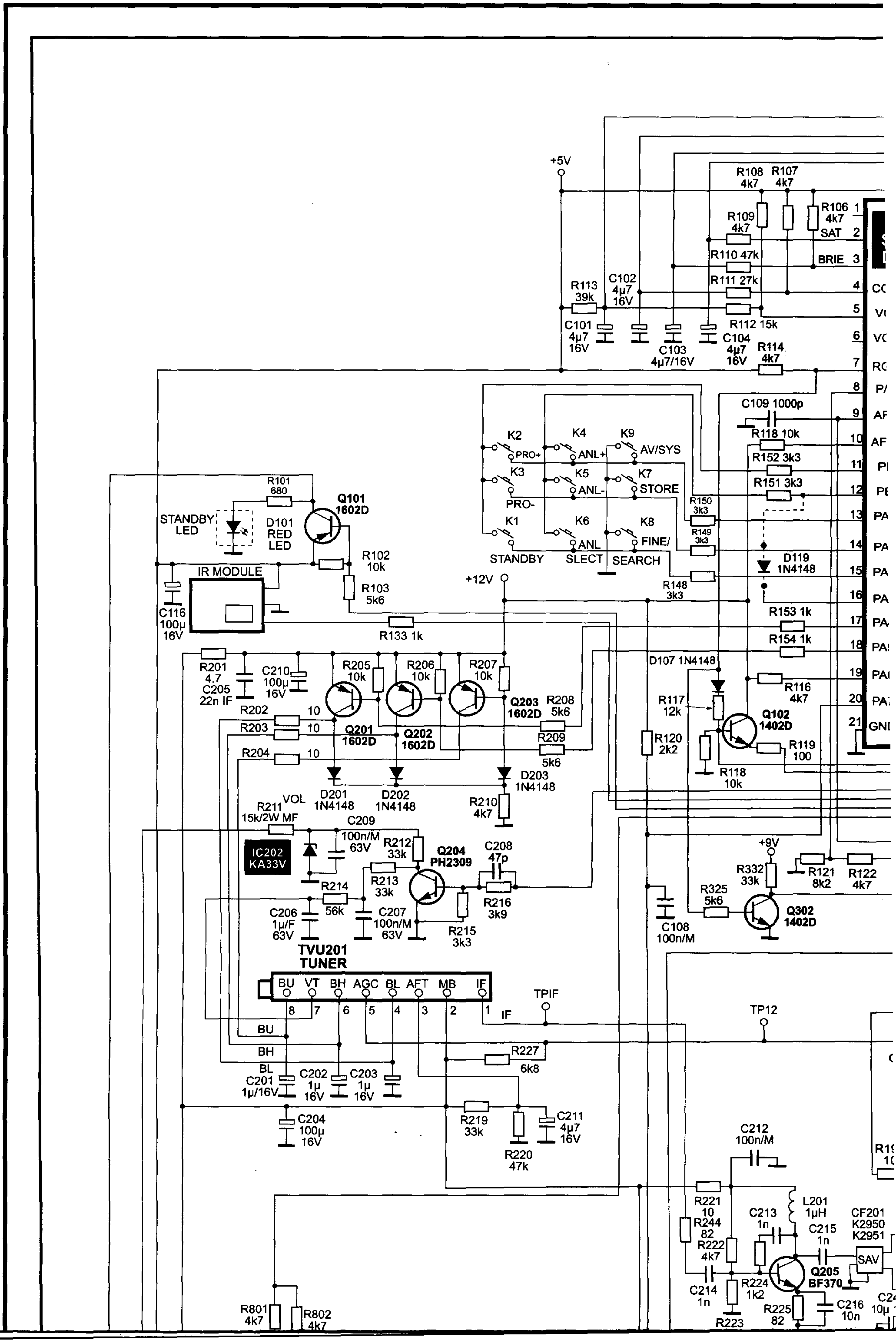
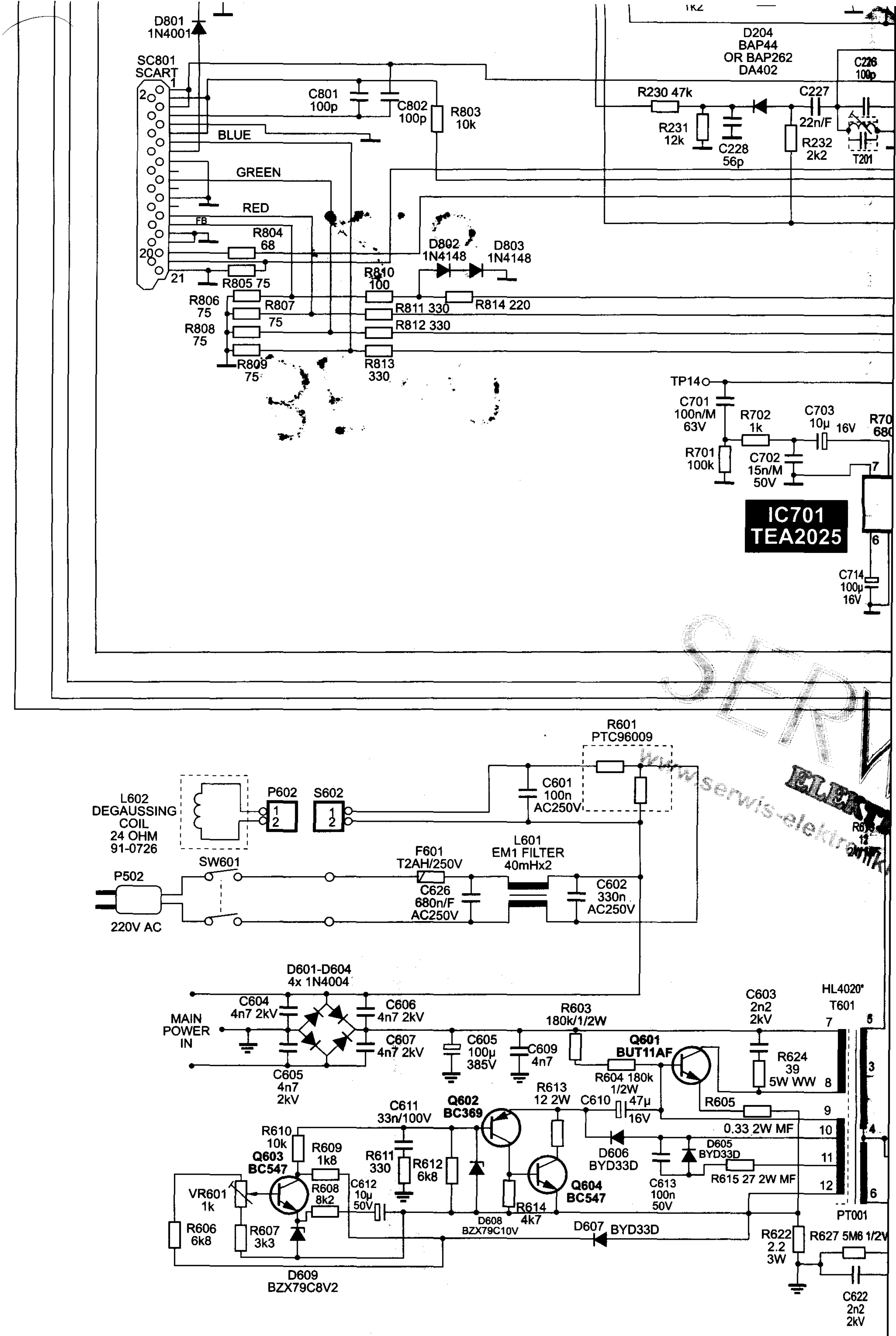
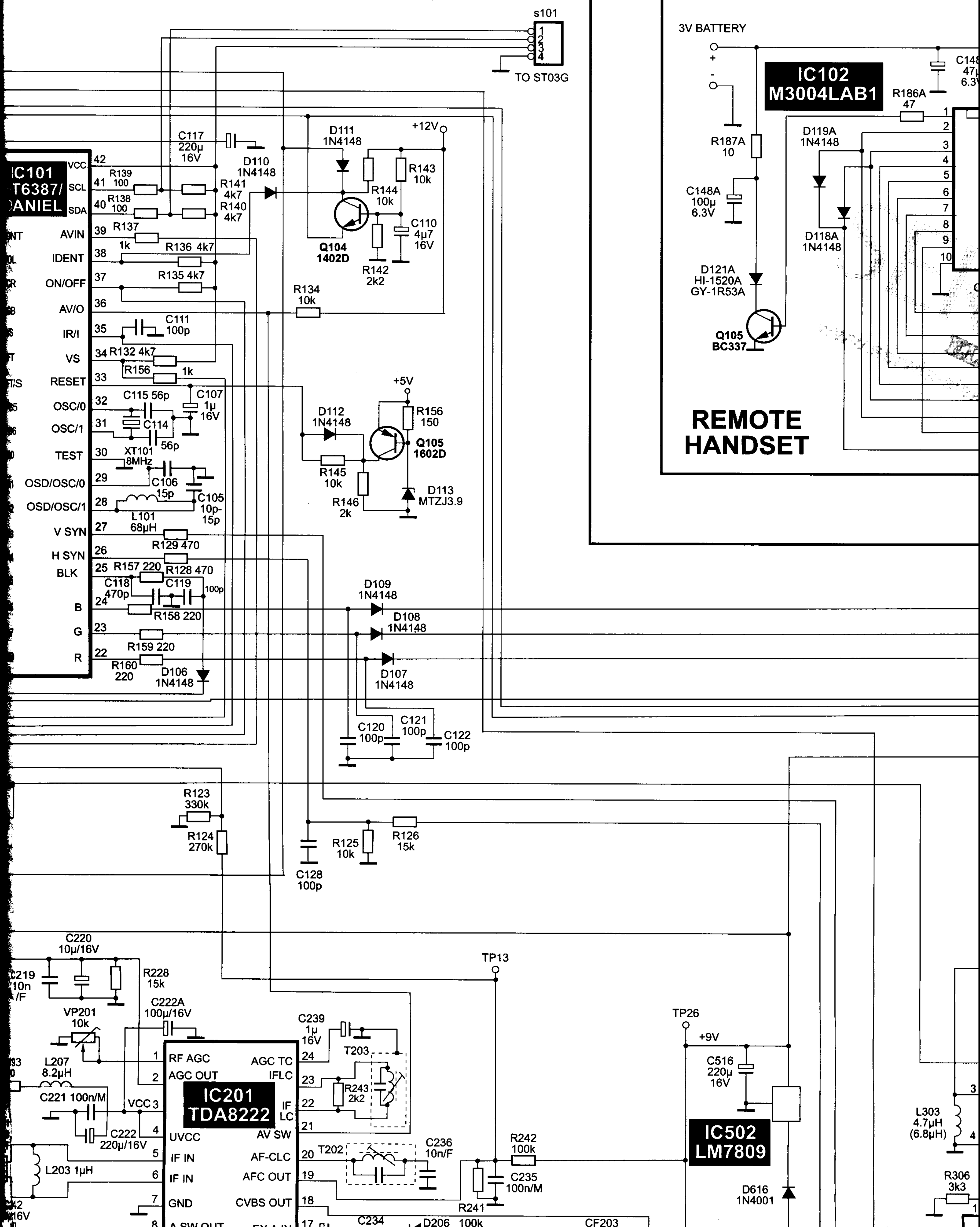
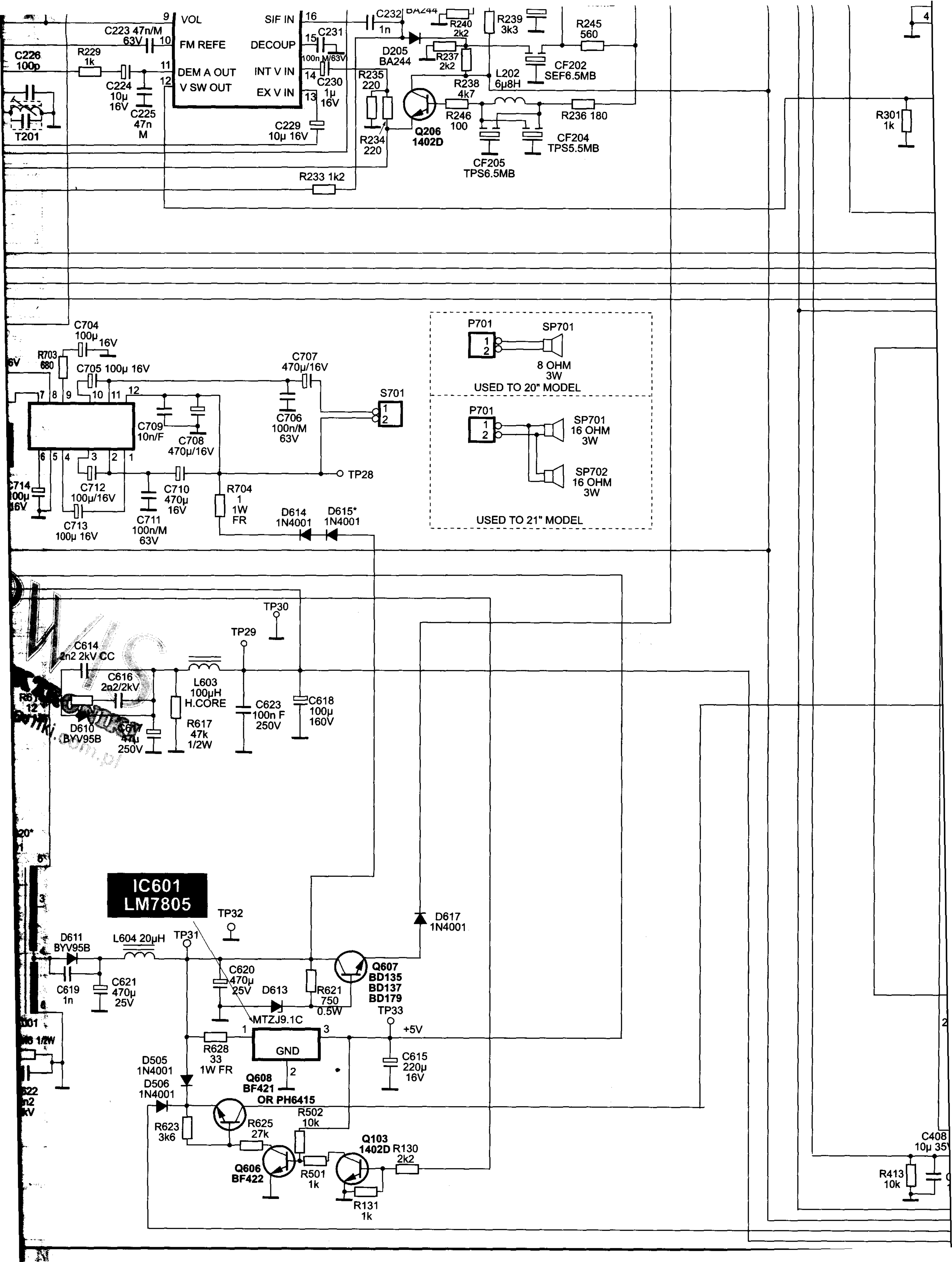

+5V
R108 4k7
R107 4k7
R106 4k7
1
SAT 2
BRIE 3
R109 4k7
R110 47k
R111 27k
R112 15k
R113 39k
C102 4µ7 16V
C101 4µ7 16V
C103 4µ7/16V
C104 4µ7 16V
R114 4k7
4 CC
5 V
6 VC
7 RC
8 P
9 AF
10 AF
11 P
12 P
13 PA
14 PA
15 PA
16 PA
17 PA
18 PA
19 PA
20 PA
21 GN
C109 1000p
R118 10k
R152 3k3
R151 3k3
R150 3k3
R149 3k3
R148 3k3
D119 1N4148
R153 1k
R154 1k
R116 4k7
D107 1N4148
R117 12k
Q102 1402D
R119 100
R118 10k
R120 2k2
K2 PRO+
K3 PRO-
K1 STANDBY
K4 ANL+
K5 ANL-
K6 ANL SLECT
K9 AV/SYS
K7 STORE
K8 FINE/ SEARCH
R101 680
STANDBY LED
D101 RED LED
Q101 1602D
R102 10k
R103 5k6
IR MODULE
C116 100µ 16V
+12V
R133 1k
R201 4.7
C205 22n IF
C210 100µ 16V
R205 10k
R206 10k
R207 10k
Q201 1602D
Q202 1602D
Q203 1602D
R208 5k6
R209 5k6
R202 10
R203 10
R204 10
D201 1N4148
D202 1N4148
D203 1N4148
R210 4k7
VOL
R211 15k/2W MF
C209 100n/M 63V
IC202 KA33V
R212 33k
Q204 PH2309
C208 47p
R213 33k
R214 56k
R216 3k9
R215 3k3
C206 1µ/F 63V
C207 100n/M 63V
C108 100n/M
+9V
R332 33k
R325 5k6
Q302 1402D
R121 8k2
R122 4k7
TVU201 TUNER
BU VT BH AGC BL AFT MB IF
8 7 6 5 4 3 2 1
IF
TPIF
TP12
BU
BH
BL
C201 1µ/16V
C202 1µ 16V
C203 1µ 16V
R227 6k8
C204 100µ 16V
R219 33k
R220 47k
C211 4µ7 16V
C212 100n/M
R221 10
R244 82
R222 4k7
C213 1n
L201 1µH
C215 1n
CF201 K2950 K2951
SAV
C214 1n
R224 1k2
Q205 BF370
R225 82
C216 10n
R223
R801 4k7
R802 4k7

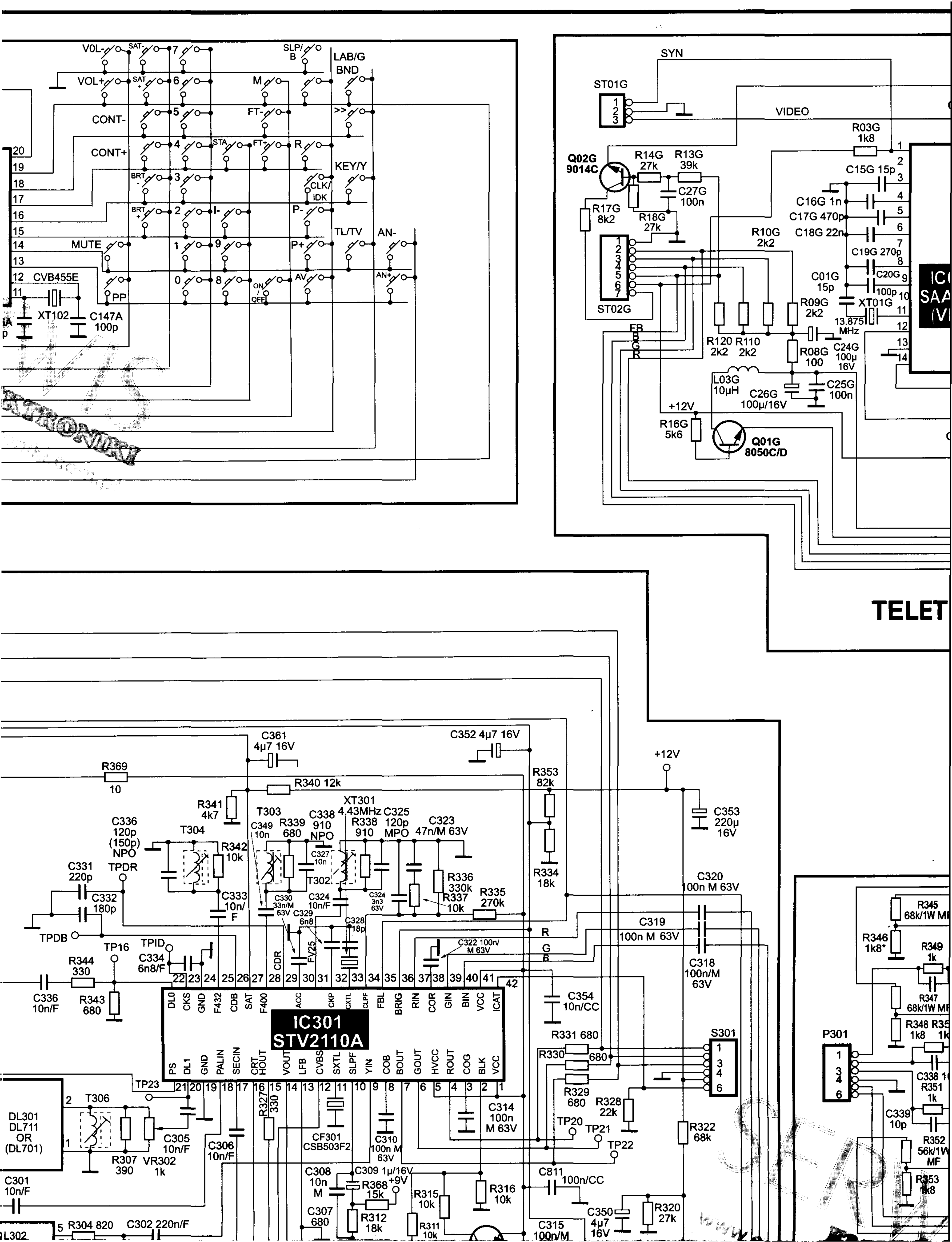

1K2
D801
1N4001
SC801
SCART
2
1
20
21
C801
100p
C802
100p
R803
10k
BLUE
GREEN
RED
FB
R804
68
D802
1N4148
D803
1N4148
R805 75
R806
75
R807
75
R808
75
R809
75
R810
100
R811 330
R812 330
R813
330
R814 220
D204
BAP44
OR BAP262
DA402
C226
100p
R230 47k
C227
22n/F
R231
12k
C228
56p
R232
2k2
T201
TP14
C701
100n/M
63V
R702
1k
C703
10µ
16V
R70
680
R701
100k
C702
15n/M
50V
7
IC701
TEA2025
6
C714
100µ
16V
R601
PTC96009
C601
100n
AC250V
L602
DEGAUSSING
COIL
24 OHM
91-0726
P602
S602
1
2
F601
T2AH/250V
L601
EM1 FILTER
40mHx2
P502
SW601
220V AC
C626
680n/F
AC250V
C602
330n
AC250V
D601-D604
4x 1N4004
C604
4n7 2kV
C606
4n7 2kV
MAIN
POWER
IN
C607
4n7 2kV
C605
4n7
2kV
C605
100µ
385V
C609
4n7
R603
180k/1/2W
Q601
BUT11AF
C603
2n2
2kV
HL4020*
T601
7
R624
39
5W WW
8
3
R604 180k
1/2W
R605
9
0.33 2W MF
10
4
R613
12 2W
C610
47µ
16V
D606
BYD33D
D605
BYD33D
11
R615 27 2W MF
12
6
C613
100n
50V
PT001
C611
33n/100V
Q602
BC369
R610
10k
R609
1k8
R611
330
R612
6k8
Q603
BC547
Q604
BC547
R608
8k2
C612
10µ
50V
VR601
1k
R614
4k7
D608
BZX79C10V
R606
6k8
R607
3k3
D607
BYD33D
D609
BZX79C8V2
R622
2.2
3W
R627 5M6 1/2V
C622
2n2
2kV
R615
12
2W

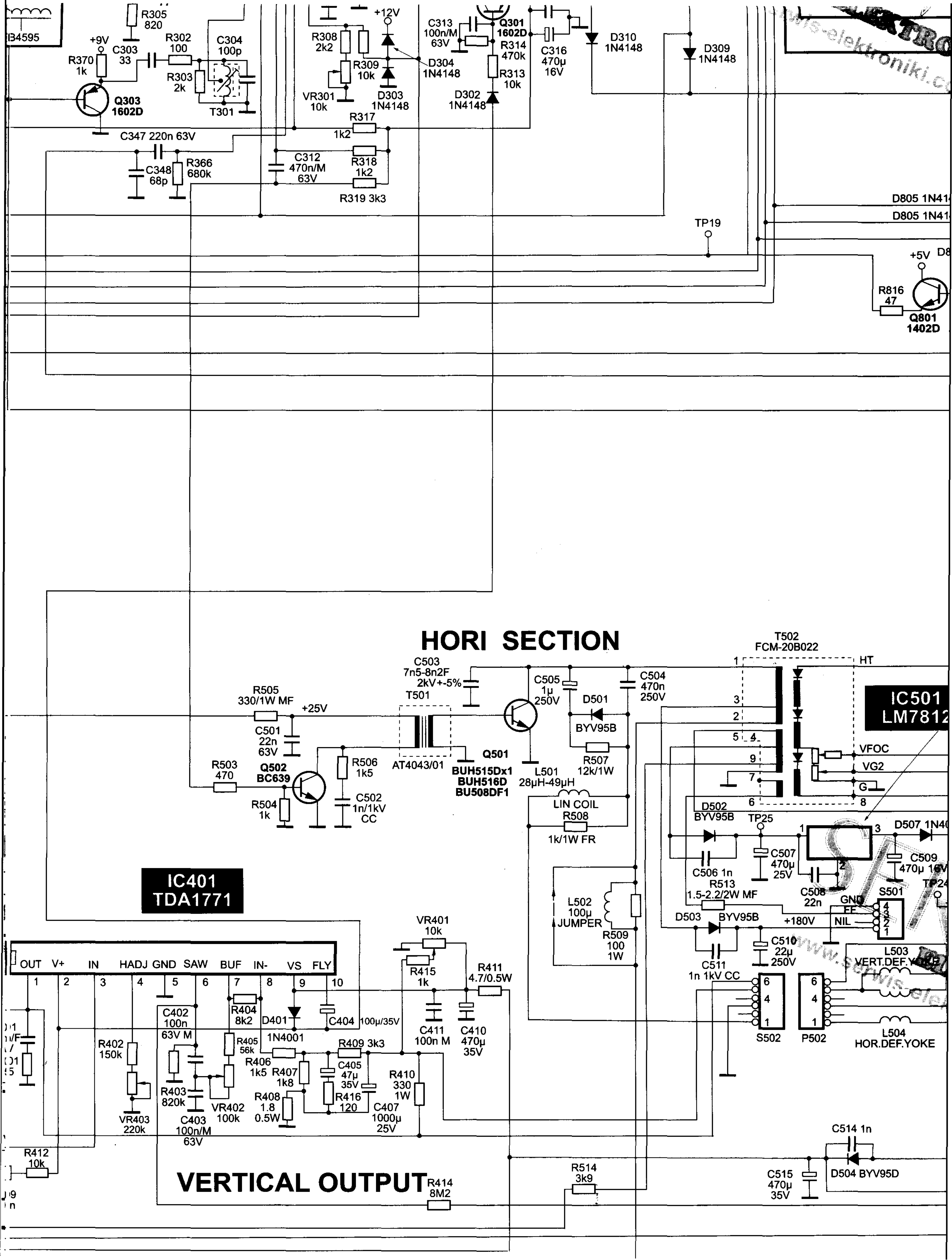
SERVIS ELEKTRONIK
www.serwis-elektronik

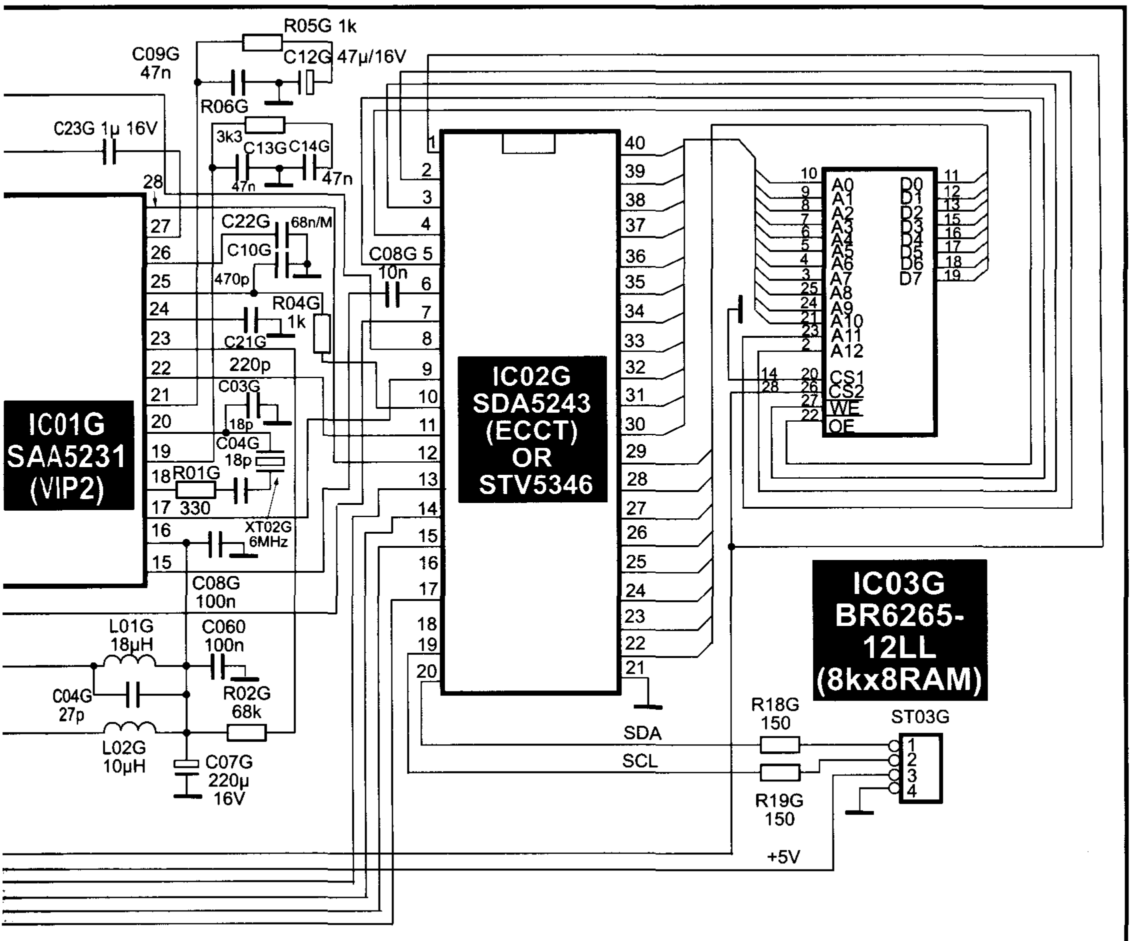
POWER SUPPLY (SMPS)


s101
1
2
3
4
TO ST03G
3V BATTERY
+
-
IC102
M3004LAB1
C148
47
6.3
R186A
47
R187A
10
C148A
100µ
6.3V
D119A
1N4148
D118A
1N4148
D121A
HI-1520A
GY-1R53A
Q105
BC337
1
2
3
4
5
6
7
8
9
10
REMOTE
HANDSET
C117
220µ
16V
D110
1N4148
D111
1N4148
+12V
R143
10k
R144
10k
Q104
1402D
C110
4µ7
16V
R142
2k2
IC101
T6387/
DANIEL
VCC
SCL
SDA
AVIN
IDENT
ON/OFF
AV/O
IR/I
VS
RESET
OSC/0
OSC/1
TEST
OSD/OSC/0
OSD/OSC/1
V SYN
H SYN
BLK
B
G
R
42
41
40
39
38
37
36
35
34
33
32
31
30
29
28
27
26
25
24
23
22
R139
100
R138
100
R141
4k7
R140
4k7
R137
1k
R136 4k7
R135 4k7
R134
10k
C111
100p
R132 4k7
R156
1k
C115 56p
C107
1µ
16V
C114
56p
XT101
8MHz
C106
15p
C105
10p-
15p
L101
68µH
R129 470
R157 220
R128 470
C118
470p
C119
100p
R158 220
R159 220
R160
220
D106
1N4148
+5V
D112
1N4148
R156
150
Q105
1602D
R145
10k
R146
2k
D113
MTZJ3.9
D109
1N4148
D108
1N4148
D107
1N4148
C120
100p
C121
100p
C122
100p
R123
330k
R124
270k
C128
100p
R125
10k
R126
15k
C220
10µ/16V
C219
10n
/F
R228
15k
C222A
100µ/16V
VP201
10k
L207
8.2µH
C221 100n/M
VCC
C222
220µ/16V
L203 1µH
IC201
TDA8222
RF AGC
AGC OUT
UVCC
IF IN
IF IN
GND
A SW OUT
AGC TC
IFLC
IF
LC
AV SW
AF-CLC
AFC OUT
CVBS OUT
EX A IN
1
2
3
4
5
6
7
8
24
23
22
21
20
19
18
17
C239
1µ
16V
T203
R243
2k2
T202
C236
10n/F
C234
D206
TP13
R242
100k
C235
100n/M
R241
100k
CF203
TP26
+9V
C516
220µ
16V
IC502
LM7809
D616
1N4001
L303
4.7µH
(6.8µH)
3
4
R306
3k3
42
16V


9 VOL
10 FM REFE
11 DEM A OUT
12 V SW OUT
SIF IN 16
DECOUP 15
INT V IN 14
EX V IN 13
C223 47n/M 63V
C226 100p
R229 1k
C224 10µ 16V
C225 47n M
T201
C232 1n
C231 100n M/63V
C230 1µ 16V
C229 10µ 16V
BA244
R240 2k2
D205 BA244
R237 2k2
R235 220
R234 220
R238 4k7
R246 100
Q206 1402D
R239 3k3
L202 6µ8H
R245 560
CF202 SEF6.5MB
R236 180
CF204 TPS5.5MB
CF205 TPS6.5MB
R233 1k2
R301 1k
4
C704 100µ 16V
R703 680
6V
C705 100µ 16V
C707 470µ/16V
7 8 9 10 11 12
C709 10n/F
C708 470µ/16V
C706 100n/M 63V
S701
1 2
6 5 4 3 2 1
C714 100µ 16V
C712 100µ/16V
C713 100µ 16V
C711 100n/M 63V
C710 470µ 16V
R704 1 1W FR
TP28
D614 1N4001
D615* 1N4001
P701
SP701
8 OHM 3W
USED TO 20" MODEL
P701
SP701 16 OHM 3W
SP702 16 OHM 3W
USED TO 21" MODEL
TP30
TP29
C614 2n2 2kV CC
C616 2n2/2kV
R61 12
D610 BYV95B
C617 47µ 250V
L603 100µH H.CORE
R617 47k 1/2W
C623 100n F 250V
C618 100µ 160V
20*
1
5
3
IC601 LM7805
TP32
TP31
D611 BYV95B
L604 20µH
C619 1n
C621 470µ 25V
C620 470µ 25V
D613 MTZJ9.1C
R621 750 0.5W
Q607 BD135 BD137 BD179
D617 1N4001
TP33
+5V
R628 33 1W FR
1 GND 3
2
C615 220µ 16V
Q608 BF421 OR PH6415
D505 1N4001
D506 1N4001
R623 3k6
R625 27k
R502 10k
Q606 BF422
R501 1k
Q103 1402D
R130 2k2
R131 1k
601
1/2W
622 n2 kV
2
C408 10µ 35V
R413 10k

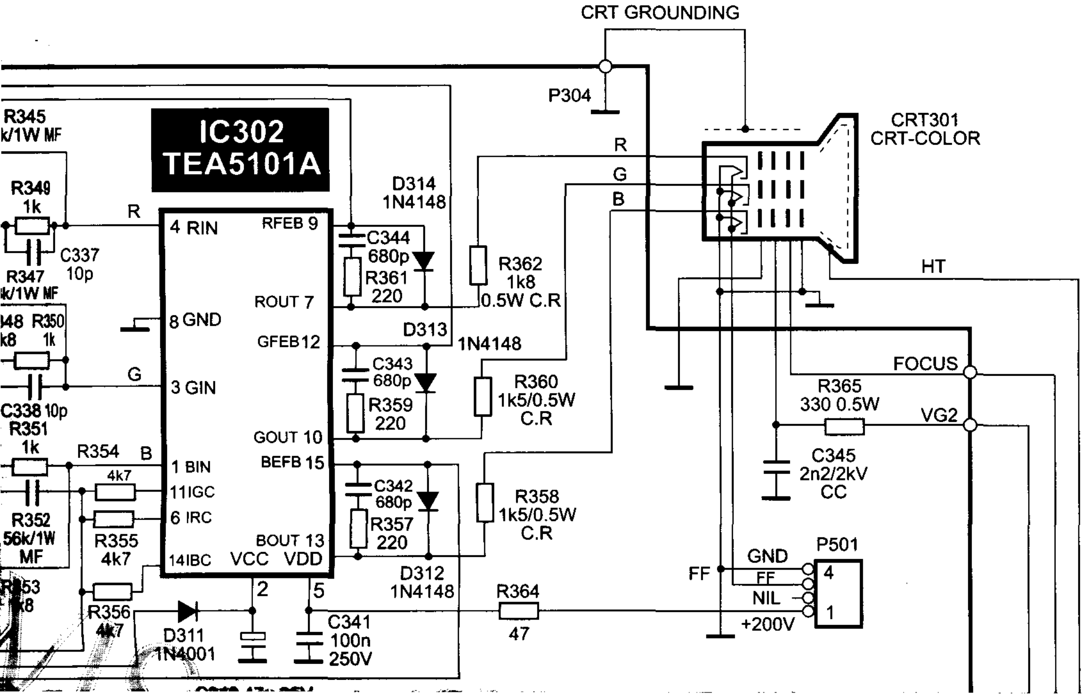

VOL-
SAT-
7
SLP/B
LAB/G
BND
VOL+
SAT+
6
M
CONT-
5
FT-
>>
CONT+
4
STA
FT+
R
KEY/Y
BRT-
3
CLK/IDK
BRT+
2
I-
P-
TL/TV
AN-
MUTE
1
9
P+
0
8
ON/OFF
AV
AN+
PP
20
19
18
17
16
15
14
13
12
11
CVB455E
XT102
C147A
100p
SYN
ST01G
VIDEO
R03G
1k8
Q02G
9014C
R14G
27k
R13G
39k
C15G 15p
C27G
100n
C16G 1n
C17G 470p
C18G 22n
R17G
8k2
R18G
27k
R10G
2k2
C19G 270p
ST02G
C01G
15p
C20G
100p
XT01G
13.875 MHz
R09G
2k2
FB
B
G
R
R120
2k2
R110
2k2
R08G
100
C24G
100µ
16V
L03G
10µH
C26G
100µ/16V
C25G
100n
+12V
R16G
5k6
Q01G
8050C/D
IC
SAA
(V
TELET
C361
4µ7 16V
C352 4µ7 16V
R369
10
R340 12k
R353
82k
+12V
R341
4k7
T303
C338
910
NPO
XT301
4.43MHz
C325
120p
MPO
C323
47n/M 63V
C353
220µ
16V
C336
120p
(150p)
NPO
T304
C349
10n
R339
680
R338
910
R342
10k
C327
10n
T302
R336
330k
R334
18k
C331
220p
TPDR
C332
180p
C333
10n/F
C330
33n/M
63V
C324
10n/F
C324
3n3
63V
R337
10k
R335
270k
C320
100n M 63V
C329
6n8
C328
18p
C319
100n M 63V
TPDB
CDR
FV25
C322 100n/M 63V
R
G
B
TPID
TP16
C334
6n8/F
C318
100n/M
63V
R344
330
C336
10n/F
R343
680
DL0
CKS
GND
F432
CDB
SAT
F400
ACC
CKP
CXTL
CLPF
FBL
BRIG
RIN
COR
GIN
BIN
VCC
ICAT
IC301
STV2110A
PS
DL1
GND
PALIN
SECIN
CRT HOUT
VOUT
LFB
CVBS
SXTL
SLPF
YIN
COB
BOUT
GOUT
HVCC
ROUT
COG
BLK
VCC
C354
10n/CC
R331 680
R330
680
R329
680
S301
R328
22k
P301
C314
100n
M 63V
TP20
TP21
TP22
R322
68k
TP23
T306
DL301
DL711
OR
(DL701)
R307
390
VR302
1k
C305
10n/F
C306
10n/F
R327
330
CF301
CSB503F2
C310
100n M
63V
C308
10n
M
C309 1µ/16V
R368
15k
+9V
R315
10k
R316
10k
C811
100n/CC
C301
10n/F
C307
680
R312
18k
R311
10k
C315
100n/M
C350
4µ7
16V
R320
27k
DL302
R304 820
C302 220n/F
R345
68k/1W MF
R346
1k8*
R349
1k
R347
68k/1W MF
R348
1k8
R351
1k
C338
C339
10p
R352
56k/1W
MF
R353
1k8


B4595
R305
820
+9V
R370
1k
C303
33
R302
100
C304
100p
R303
2k
T301
Q303
1602D
C347 220n 63V
C348
68p
R366
680k
+12V
R308
2k2
R309
10k
VR301
10k
D304
1N4148
D303
1N4148
R317
1k2
C312
470n/M
63V
R318
1k2
R319 3k3
C313
100n/M
63V
Q301
1602D
R314
470k
R313
10k
D302
1N4148
C316
470µ
16V
D310
1N4148
D309
1N4148
D805 1N41
D805 1N41
TP19
+5V
D8
R816
47
Q801
1402D
HORI SECTION
C503
7n5-8n2F
2kV+-5%
T501
R505
330/1W MF
+25V
C501
22n
63V
R503
470
Q502
BC639
R504
1k
R506
1k5
C502
1n/1kV
CC
AT4043/01
Q501
BUH515Dx1
BUH516D
BU508DF1
C505
1µ
250V
D501
BYV95B
C504
470n
250V
R507
12k/1W
L501
28µH-49µH
LIN COIL
R508
1k/1W FR
T502
FCM-20B022
HT
1
3
2
5
4
9
7
6
8
VFOC
VG2
G
IC501
LM7812
D502
BYV95B
TP25
C506 1n
C507
470µ
25V
C508
22n
D507 1N4
C509
470µ 16V
TP24
R513
1.5-2.2/2W MF
S501
GND
FF
NIL
+180V
D503
BYV95B
C511
1n 1kV CC
C510
22µ
250V
L502
100µ
JUMPER
R509
100
1W
L503
VERT.DEF.YOKE
S502
P502
L504
HOR.DEF.YOKE
IC401
TDA1771
OUT
V+
IN
HADJ
GND
SAW
BUF
IN-
VS
FLY
1
2
3
4
5
6
7
8
9
10
VR401
10k
R415
1k
R411
4.7/0.5W
C402
100n
63V M
R404
8k2
R405
56k
D401
1N4001
C404
100µ/35V
C411
100n M
C410
470µ
35V
R402
150k
VR403
220k
R403
820k
C403
100n/M
63V
VR402
100k
R406
1k5
R407
1k8
R408
1.8
0.5W
C405
47µ
35V
R416
120
R409 3k3
C407
1000µ
25V
R410
330
1W
R412
10k
VERTICAL OUTPUT
R414
8M2
R514
3k9
C514 1n
C515
470µ
35V
D504 BYV95D



IC01G
SAA5231
(VIP2)
IC02G
SDA5243
(ECCT)
OR
STV5346
IC03G
BR6265-
12LL
(8kx8RAM)
R05G 1k
C09G 47n
C12G 47µ/16V
R06G 3k3
C23G 1µ 16V
C13G 47n
C14G 47n
C22G 68n/M
C10G 470p
R04G 1k
C21G 220p
C03G 18p
C04G 18p
R01G 330
XT02G 6MHz
C08G 10n
C08G 100n
L01G 18µH
C060 100n
C04G 27p
R02G 68k
L02G 10µH
C07G 220µ 16V
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
D0
D1
D2
D3
D4
D5
D6
D7
CS1
CS2
WE
OE
R18G 150
R19G 150
ST03G
SDA
SCL
+5V

ETEXT PROCESS SECTION

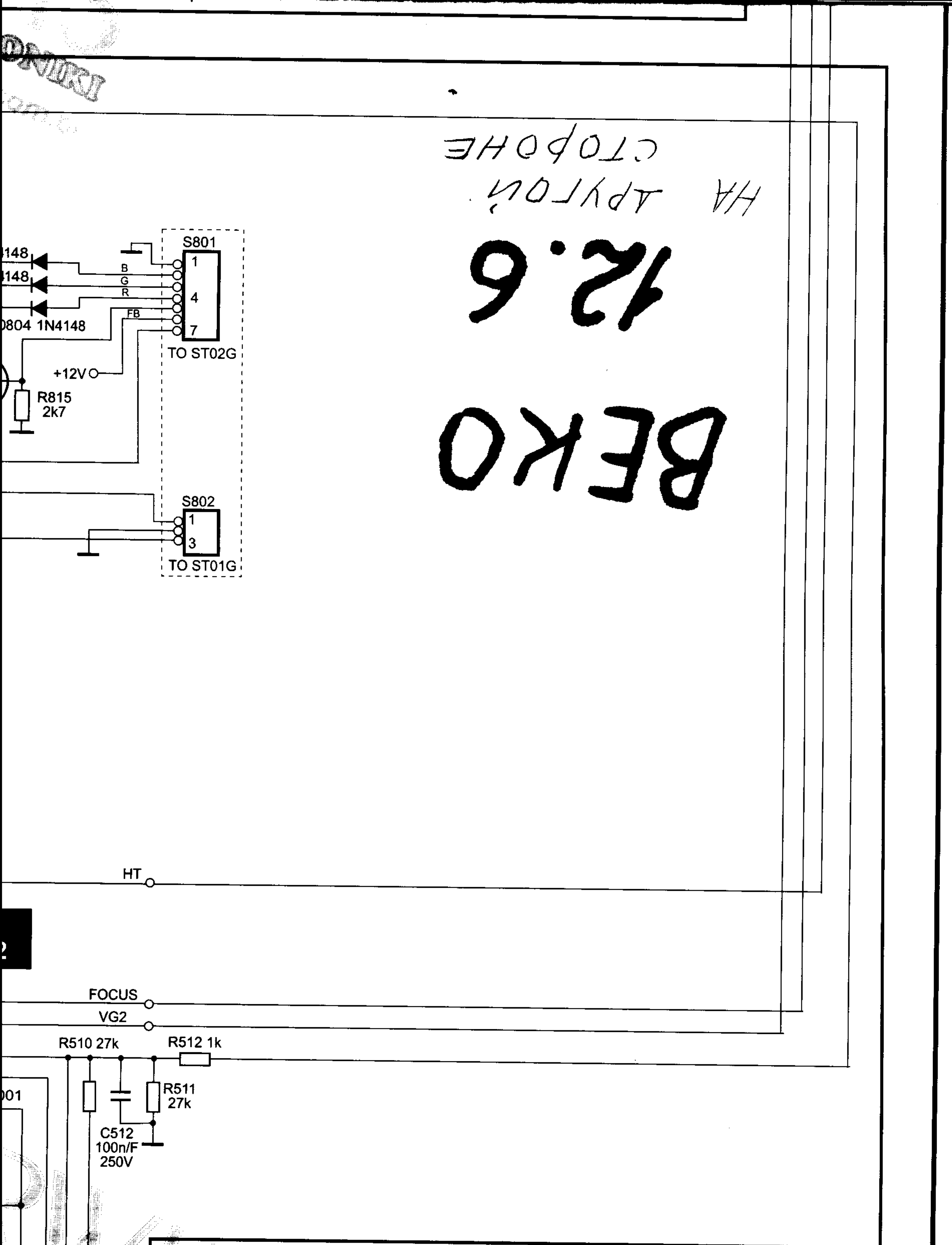


CRT GROUNDING
P304
IC302
TEA5101A
R345 1W MF
R349 1k
C337 10p
R347 1W MF
R350 1k
C338 10p
R351 1k
R354 4k7
R352 56k/1W MF
R355 4k7
R356 4k7
D311 1N4001
4 RIN
RFEB 9
8 GND
ROUT 7
GFEB 12
3 GIN
GOUT 10
1 BIN
BEFB 15
11 IGC
6 IRC
14 IBC
VCC
VDD
BOUT 13
D314 1N4148
C344 680p
R361 220
D313 1N4148
C343 680p
R359 220
C342 680p
R357 220
D312 1N4148
C341 100n 250V
R362 1k8 0.5W C.R
R360 1k5/0.5W C.R
R358 1k5/0.5W C.R
R364 47
CRT301
CRT-COLOR
R
G
B
HT
FOCUS
VG2
R365 330 0.5W
C345 2n2/2kV CC
P501
GND
FF
NIL
+200V

DW_SE7/2004

soung, Santec, Yoko

21PS/PST (strona 1/1)



148
148
D804 1N4148
B
G
R
FB
S801
1
4
7
TO ST02G
+12V
R815
2k7
S802
1
3
TO ST01G
HT
FOCUS
VG2
R510 27k
R512 1k
R511
27k
C512
100n/F
250V
001

НА другой стороне

12.6

BEKO

SCHEMATIC NOTES:

1. RESISTANCE IS SHOWN IN OHMS K=1.000 & M=1.000.000

2. CAPACITANCE IS SHOWN IN μ =μF n=nF p=pF

3. ▭ STANDARD FILM RESISTOR (SFR25)
T TANTALUM CAPACITOR
M FILM CAPACITOR

4. VOLTAGE READ WITH DIGITAL VOLTMETER FROM POINT INDICATED TO CHASSIS GROUND USING A NORMAL PICTURE.

5. VOLTAGE READINGS SHOWN ARE NORMAL VALUES AND MAY VARY +-20% (EXCEPTH.V.).

6. VOLTAGES AND WAVEFORMS OF TRANSISTOR AND IC PLEASE REFER TO SERVICE MANUAL

7. SCHEMATIC SUBJECT TO CHANGE WITHOUT NOTICE.

OTVC Axxion, Lexus, Maxim, Panascanic, Recor, Sam
RC4220PS/PST, RC4221PS/PST, RC4320PSNT, RC44