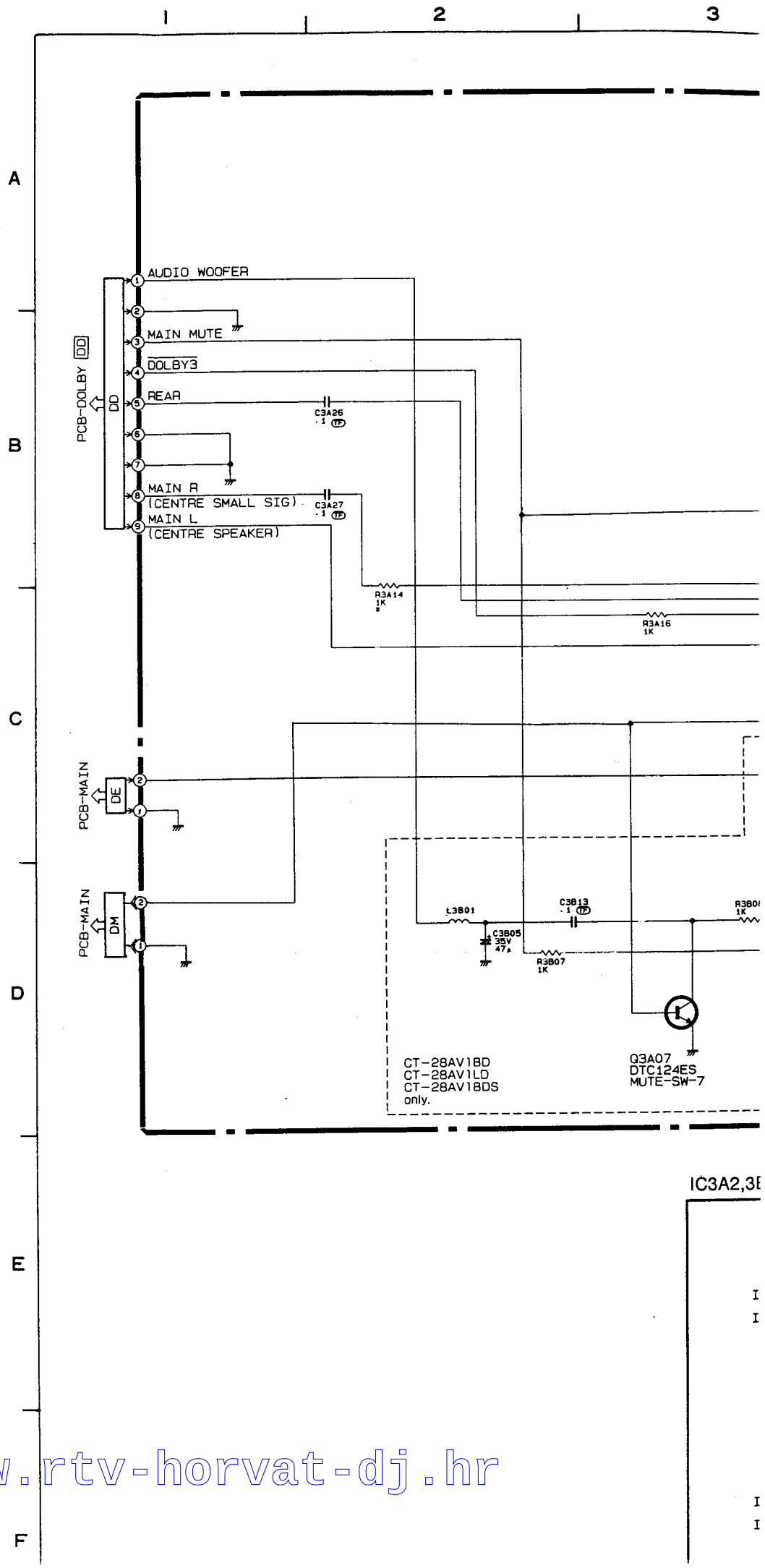
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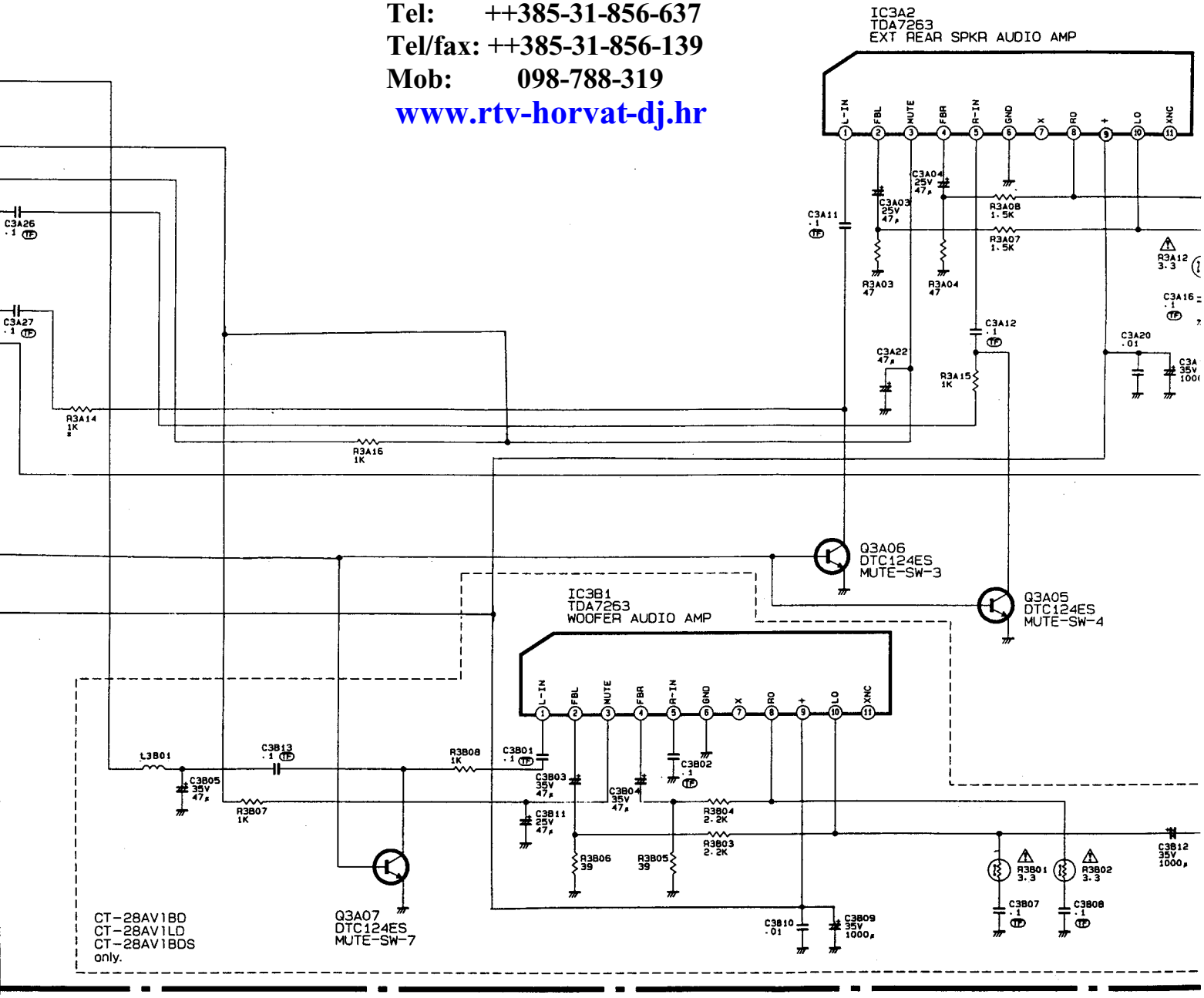
Also on http://electromaniacs.com you can find thousands of service manuals , schematics free of charge



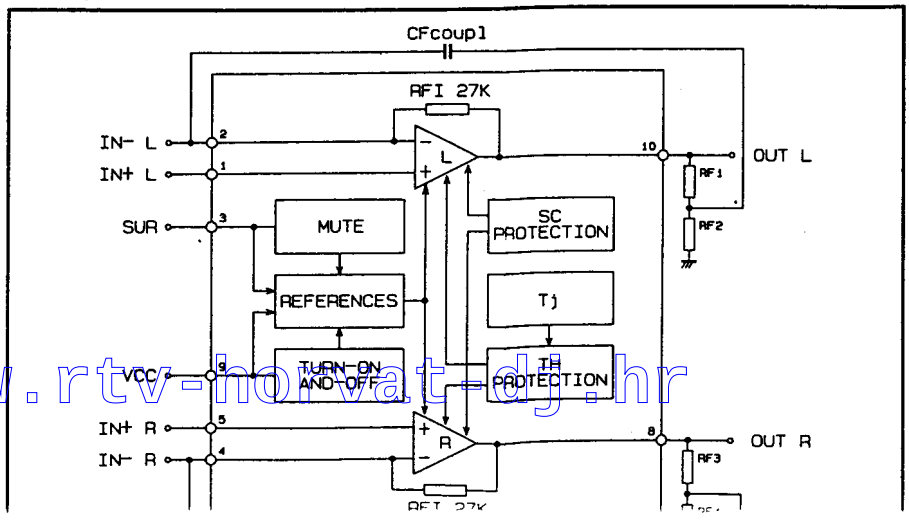


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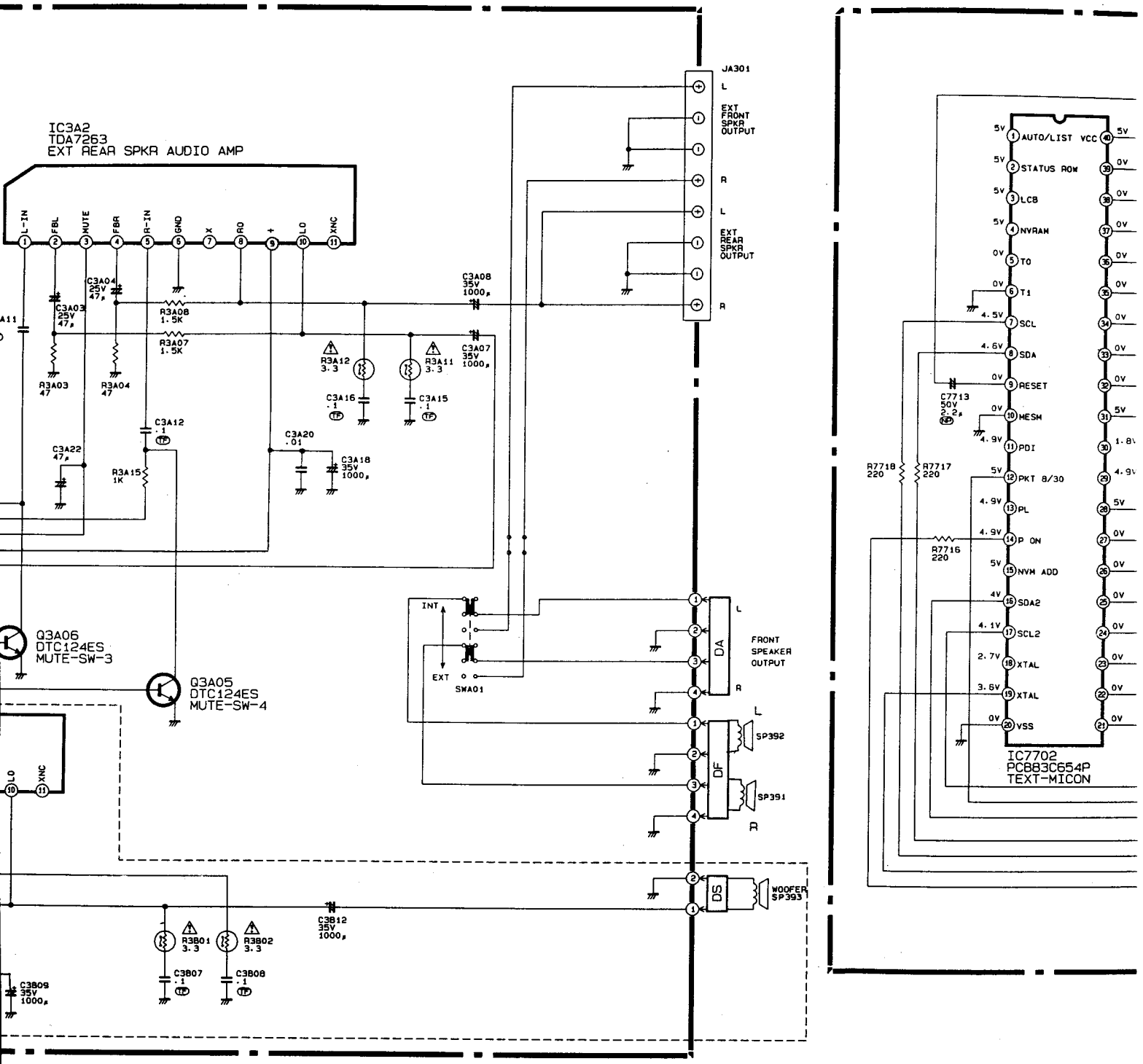
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IC3A2,3B1 TDA7263

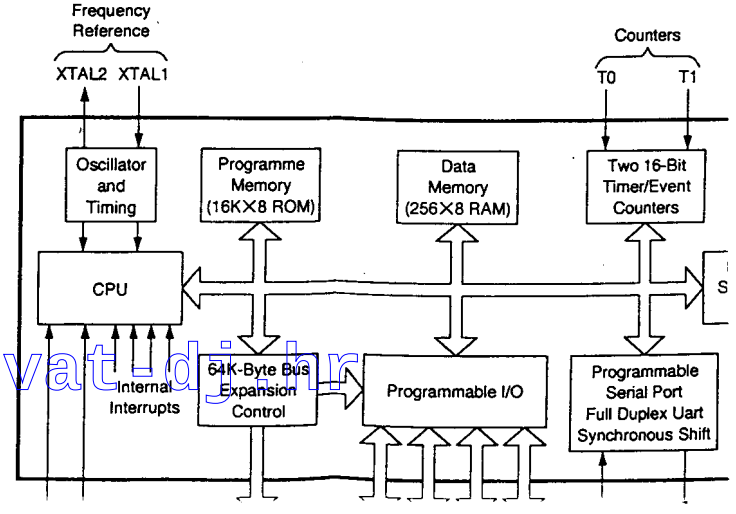


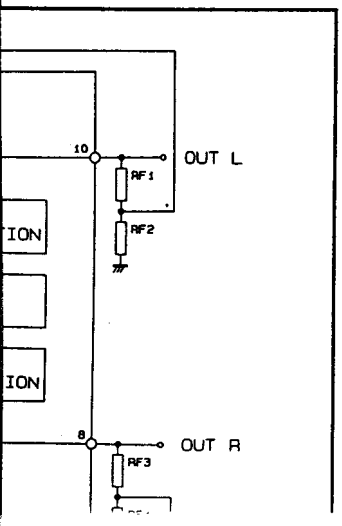
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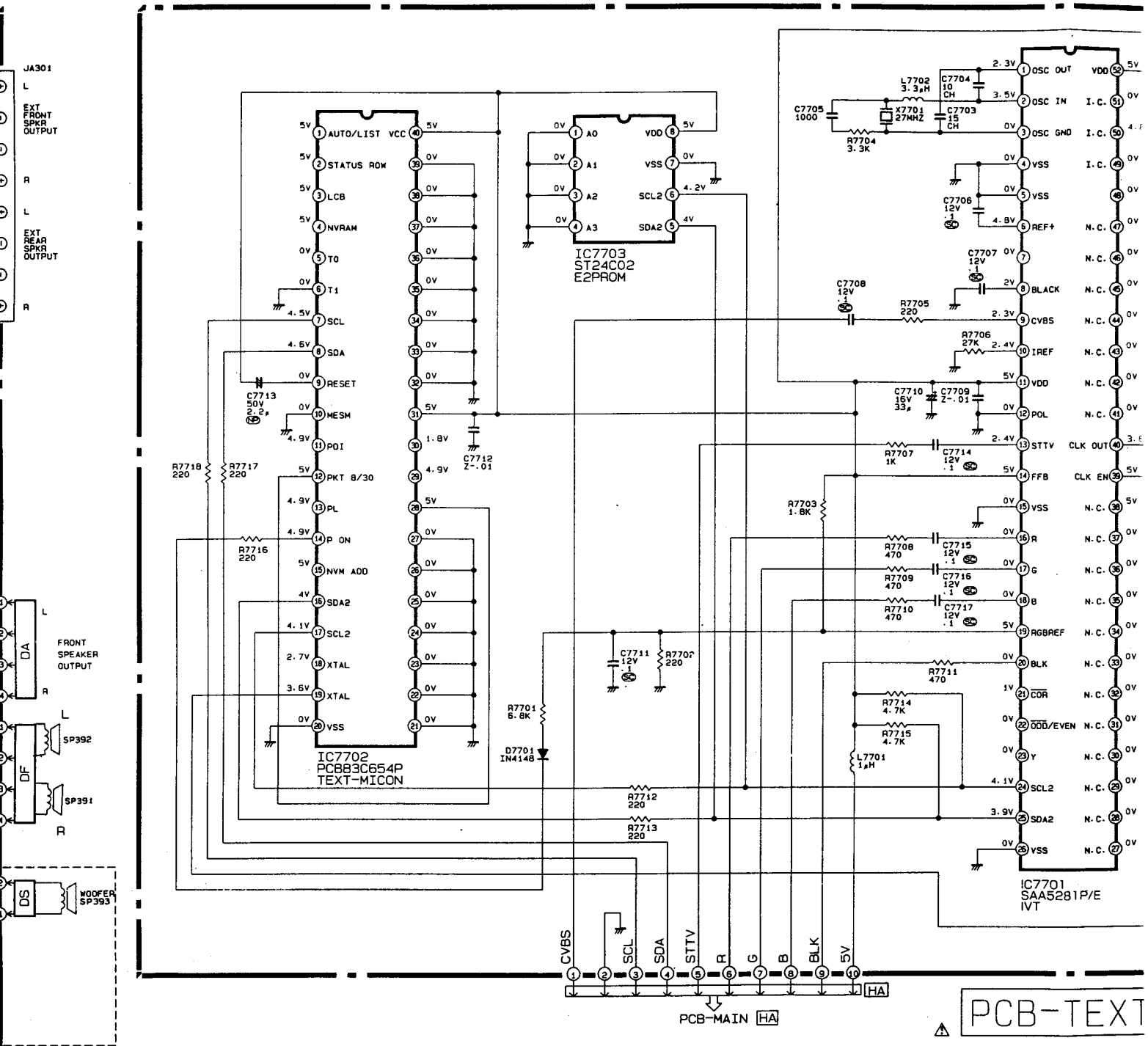
PCB-AUD-PWR

IC7702 PC883C654P

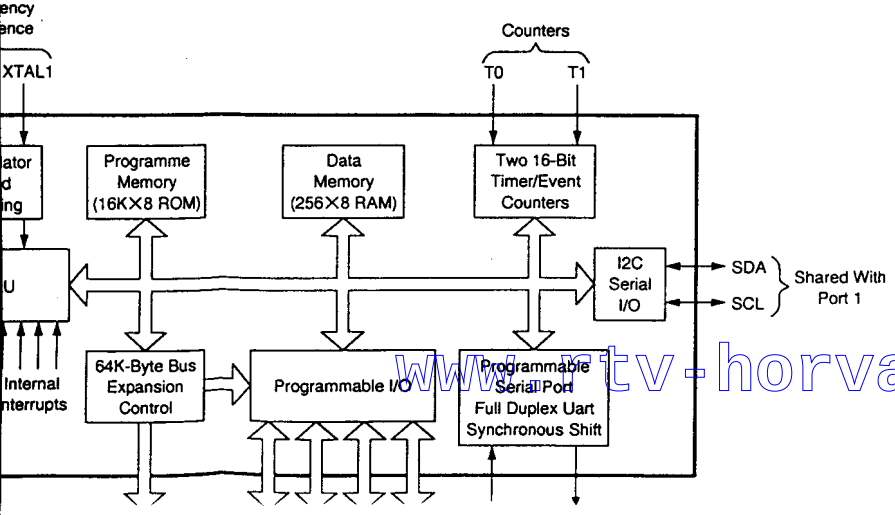




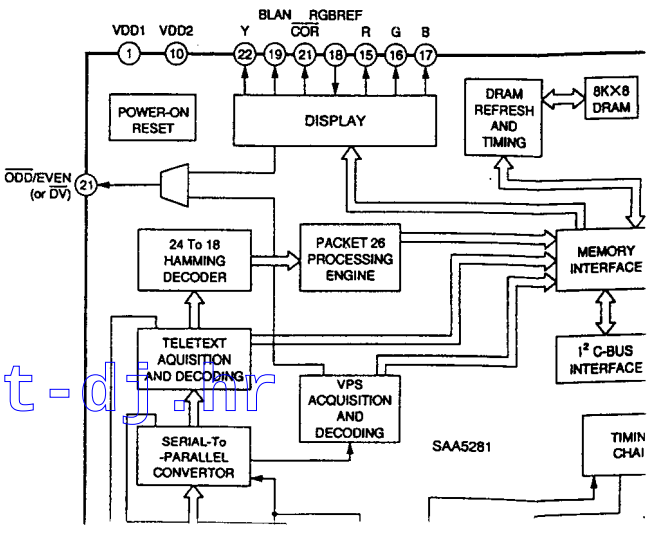
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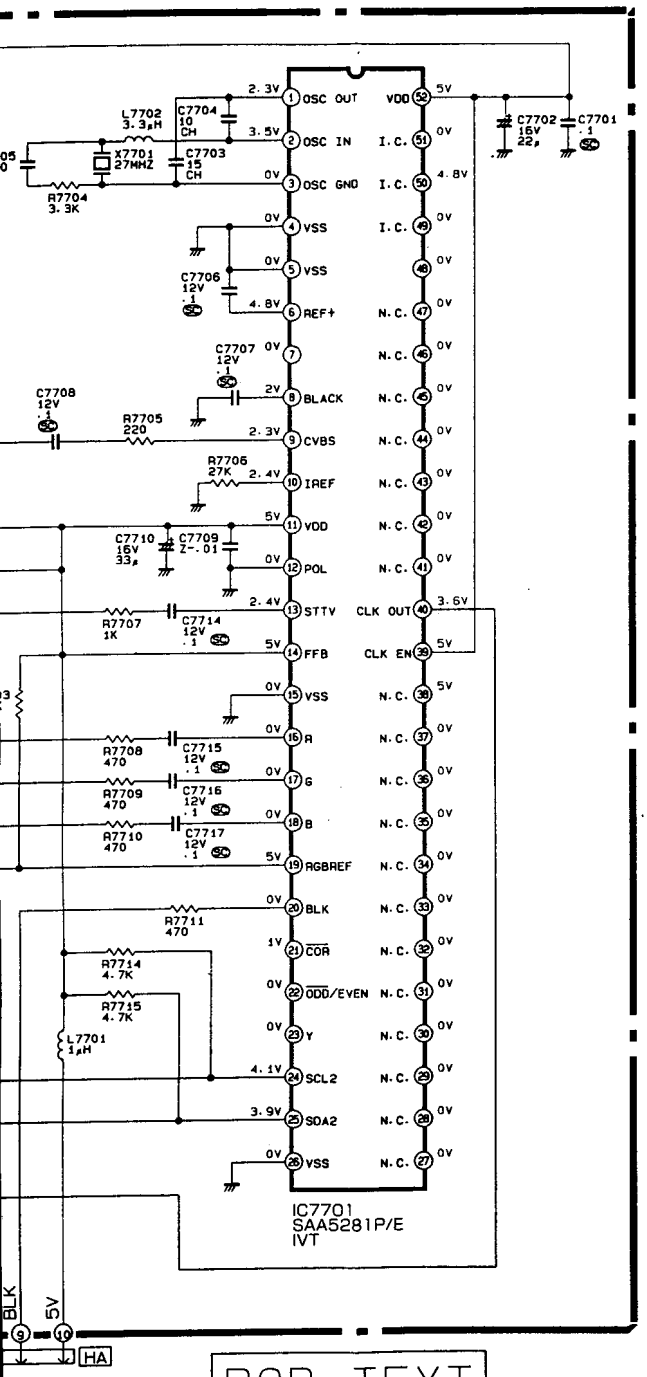
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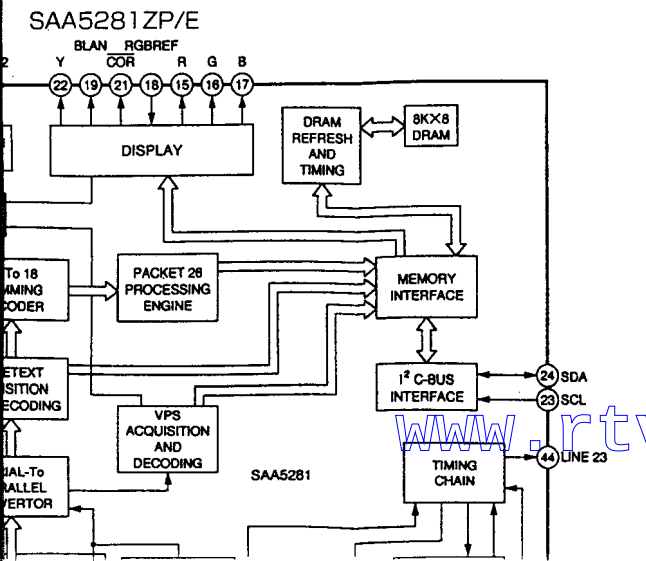
IC7701 SAA5281ZP/E



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⚠ PCB-TEXT



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⚠ PCB- VIDEOCRYPT

VideoCrypt Decoder

The VideoCrypt decoder PCB is only serviceable by Mitsubishi service department.

In the event of a fault on this PCB, please follow this procedure:

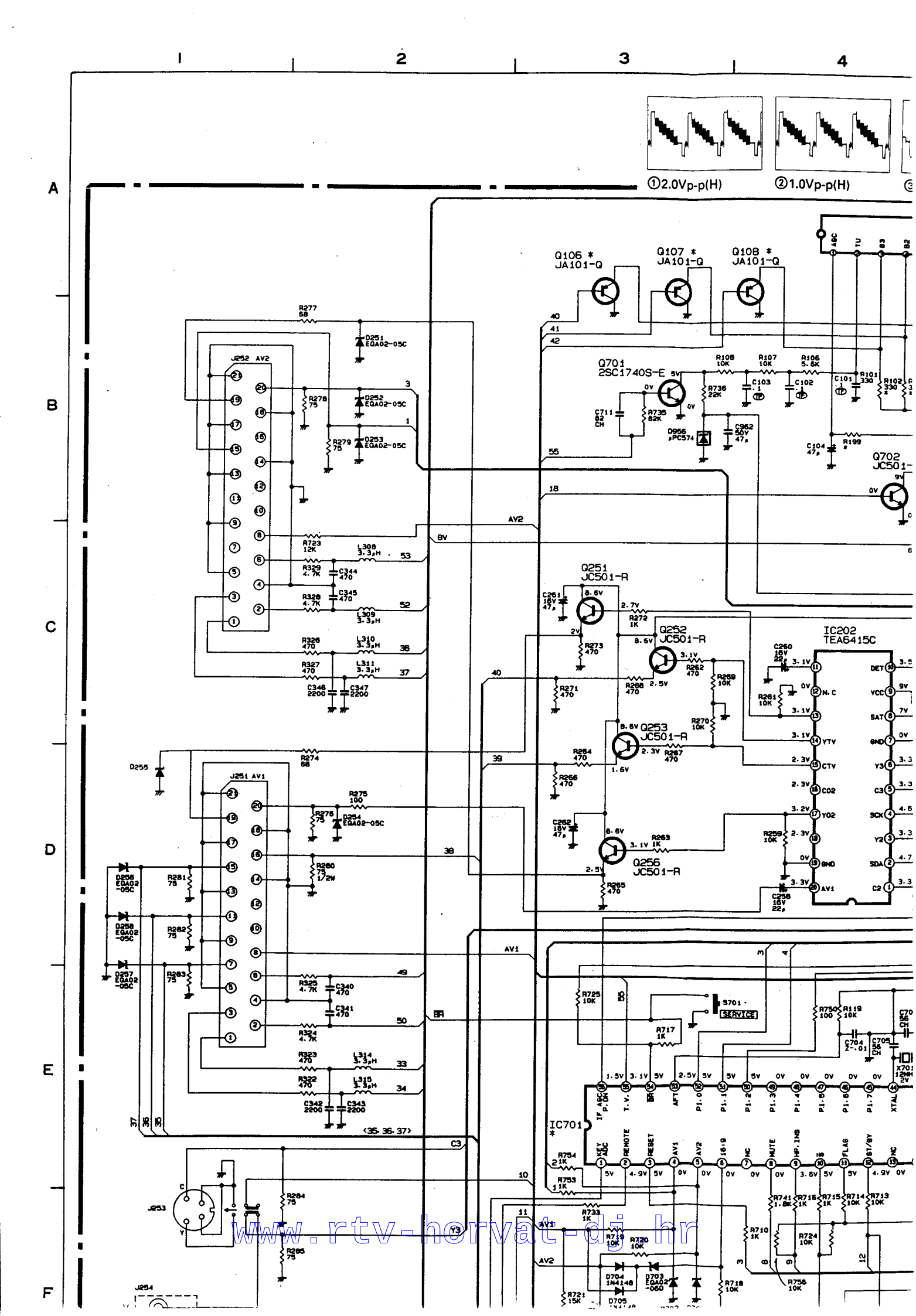
1. Contact the Mitsubishi consumer spares department to request an advance replacement VideoCrypt decoder PCB.

2. Upon receipt of the replacement PCB, complete the enclosed form and return it with the faulty PCB, in the packaging provided.

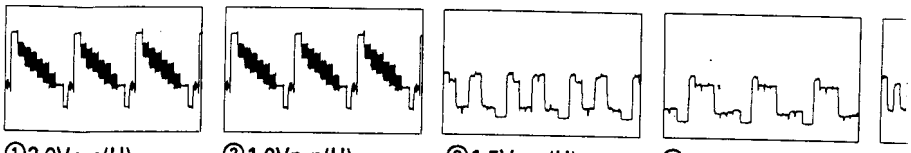
Failure to return the PCB within 30 days will incur full replacement PCB costs.

NOTE
The plastic PCB frame, connecting lead and fixing screw should be retained as the replacement PCB is supplied *without* these items.

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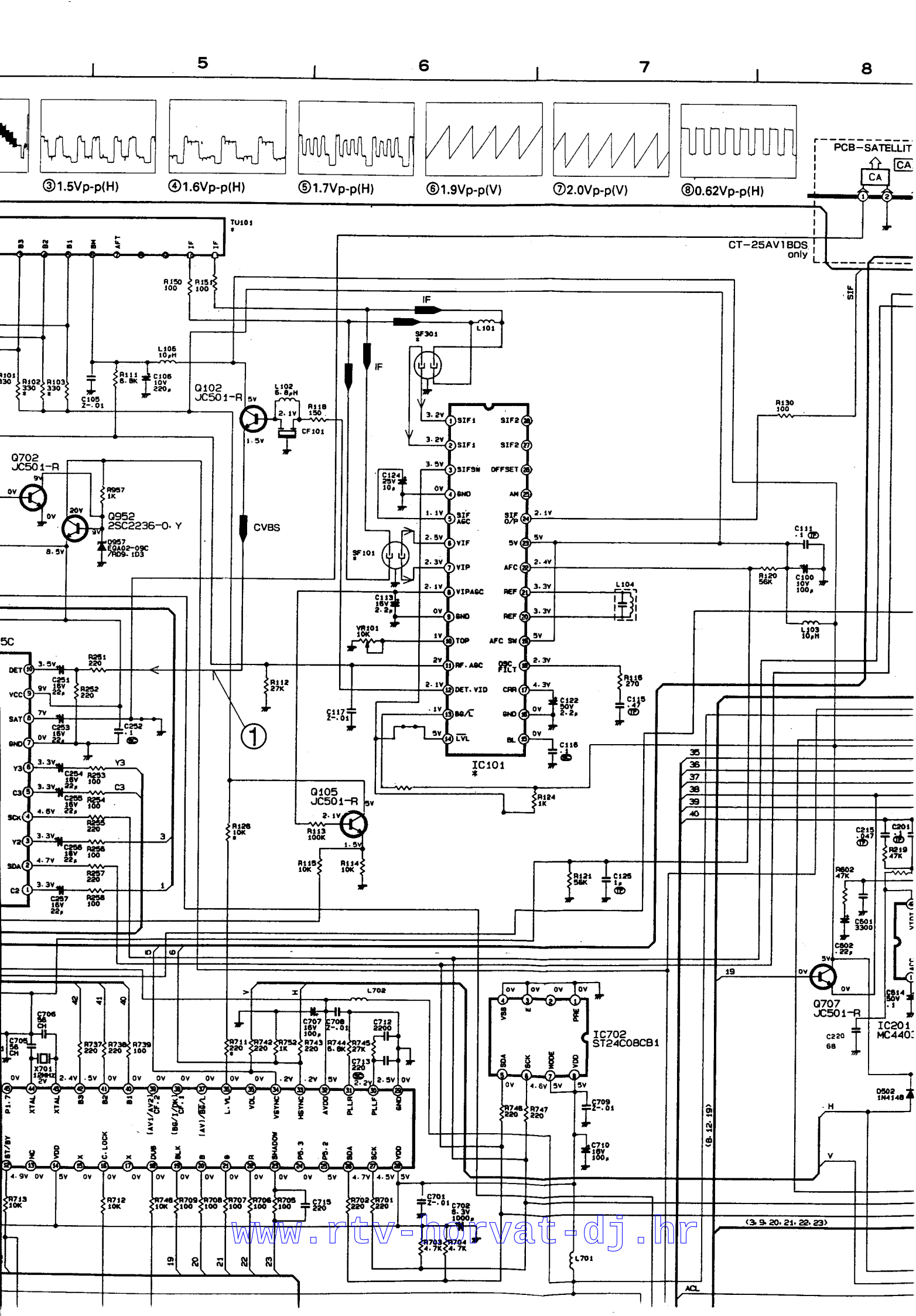

①2.0Vp-p(H)
②1.0Vp-p(H)
Q106 * JA101-Q
Q107 * JA101-Q
Q108 * JA101-Q
Q701 2SC1740S-E
Q702 JC501-
Q251 JC501-R
Q252 JC501-R
Q253 JC501-R
Q256 JC501-R
IC202 TEA6415C
IC701
J252 AV2
J251 AV1
J253
J254
S701 SERVICE
AV1
AV2
8V
BR
C3
Y3
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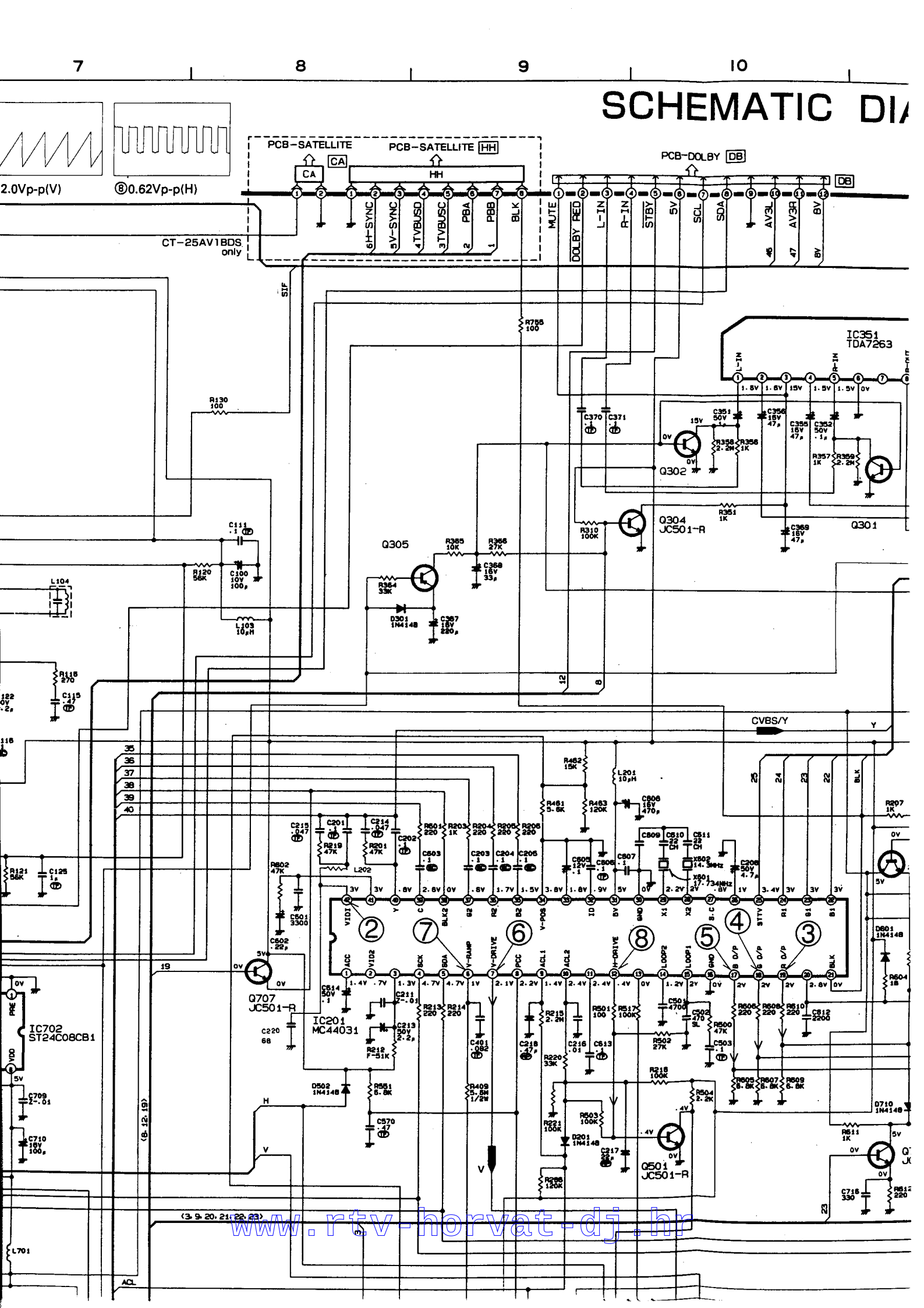
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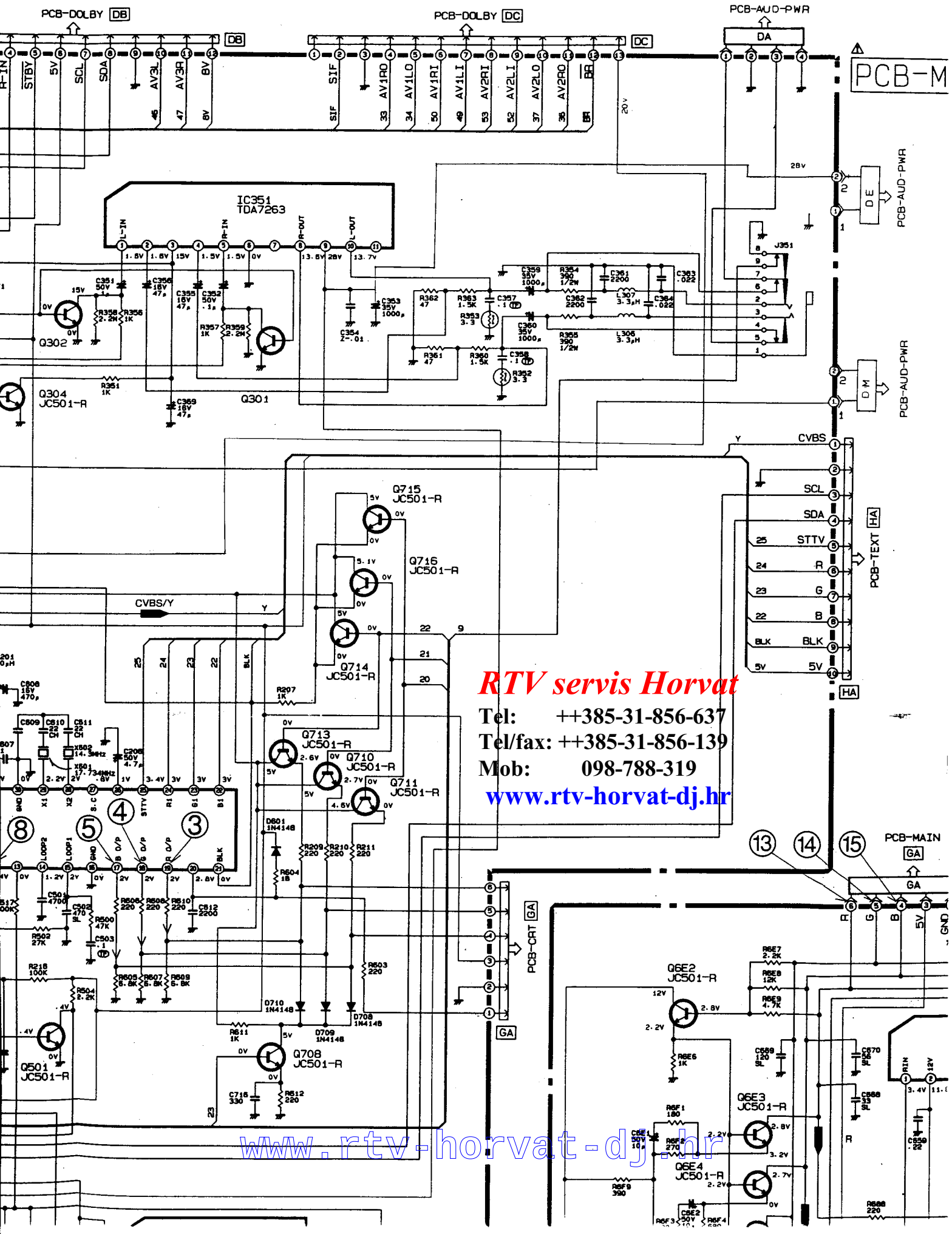
①2.0Vp-p(H) ②1.0Vp-p(H) ③1.5Vp-p(H) ④1.6Vp-p(H) ⑤

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③1.5Vp-p(H)
④1.6Vp-p(H)
⑤1.7Vp-p(H)
⑥1.9Vp-p(V)
⑦2.0Vp-p(V)
⑧0.62Vp-p(H)
PCB-SATELLIT
CA
CT-25AV1BDS only
TU101
IF
SIF
CVBS
Q102 JC501-R
Q702 JC501-R
Q952 2SC2236-O, Y
Q105 JC501-R
Q707 JC501-R
IC101
IC702 ST24C08CB1
IC201 MC440
SF301
SF101
L101
L102
L103
L104
L105
L702
L701
CF101
Y701
Y3
C3
Y2
C2
SIF1
SIF2
SIFSW
OFFSET
GND
AM
SIF AGC
SIF O/P
VIF
VIP
VIPAGC
TOP
RF. AGC
DET. VID
BG/L
LVL
5V
AFC
REF
AFC SW
OSC FILT
CRR
BL
VCC
SAT
DET
SCK
SDA
VSS
SCL
MODE
VDD
PRE
XTAL
VSYNC
HSYNC
AVDD
PLLR
PLLF
R.LOCK
BLK
SHADOW
P5.3
P5.2
ACL
(3.9.20.21.22.23)
(8.12.19)
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SCHEMATIC DI
2.0Vp-p(V)
⑧0.62Vp-p(H)
PCB-SATELLITE
CA
PCB-SATELLITE HH
HH
PCB-DOLBY DB
DB
6H-SYNC
5V-SYNC
4TVBUSD
3TVBUSC
2 PBA
1 PBB
BLK
MUTE
DOLBY RED
L-IN
R-IN
STBY
5V
SCL
SDA
46 AV3L
47 AV3R
8V
CT-25AV1BDS only
SIF
IC351
TDA7263
Q302
Q304
JC501-R
Q301
Q305
CVBS/Y
IC702
ST24C08CB1
IC201
MC44031
Q707
JC501-R
Q501
JC501-R
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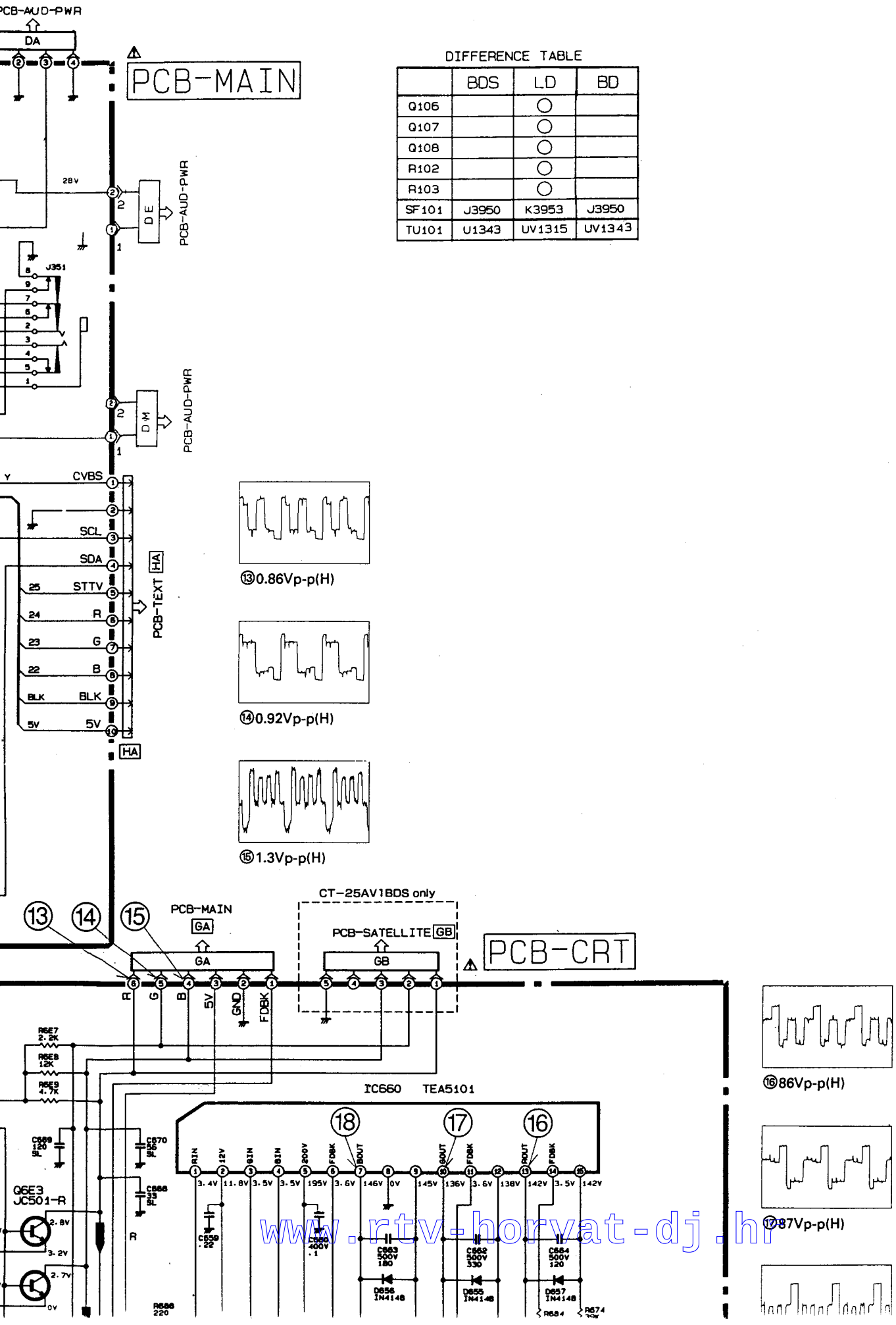
SCHEMATIC DIAGRAMS : CT-25AV1BD/LD/BD



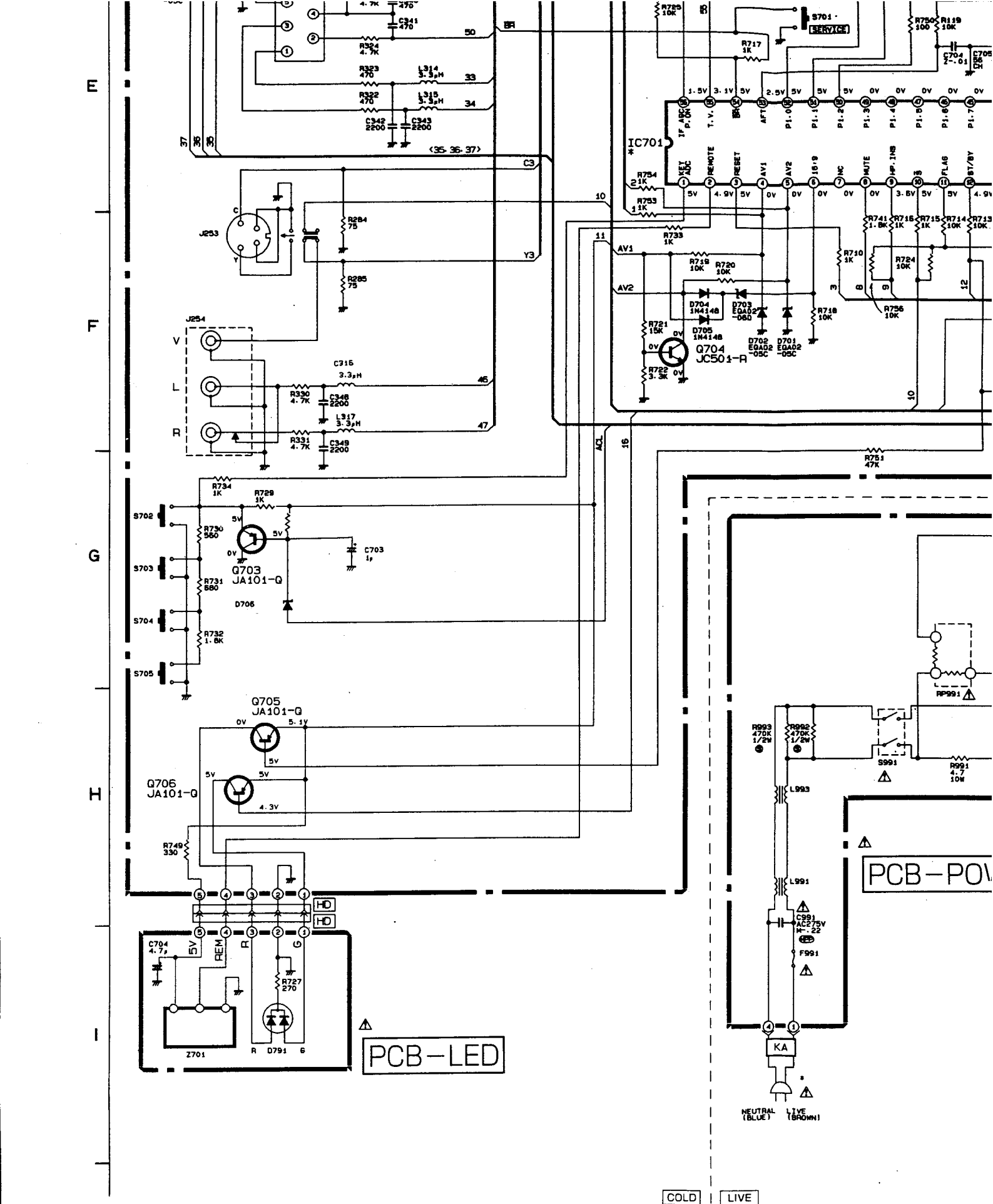
BD/LD/BDS

DIFFERENCE TABLE

	BDS	LD	BD
Q106		○	
Q107		○	
Q108		○	
R102		○	
R103		○	
SF101	J3950	K3953	J3950
TU101	U1343	UV1315	UV1343



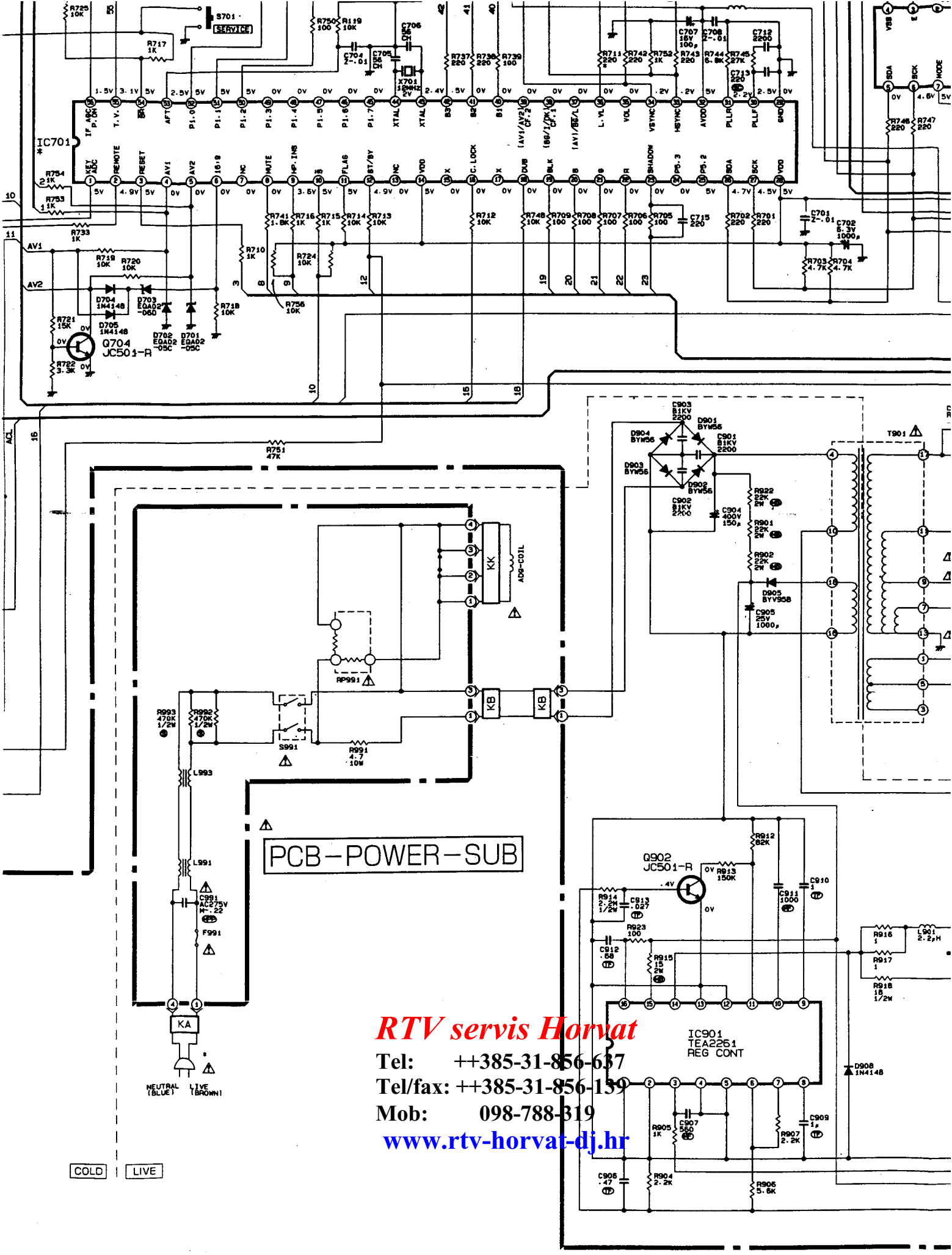
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CT-25AV1BD
CT-25AV1LD
CT-25AV1BDS
CT-28AV1BD
CT-28AV1LD
CT-28AV1BDS

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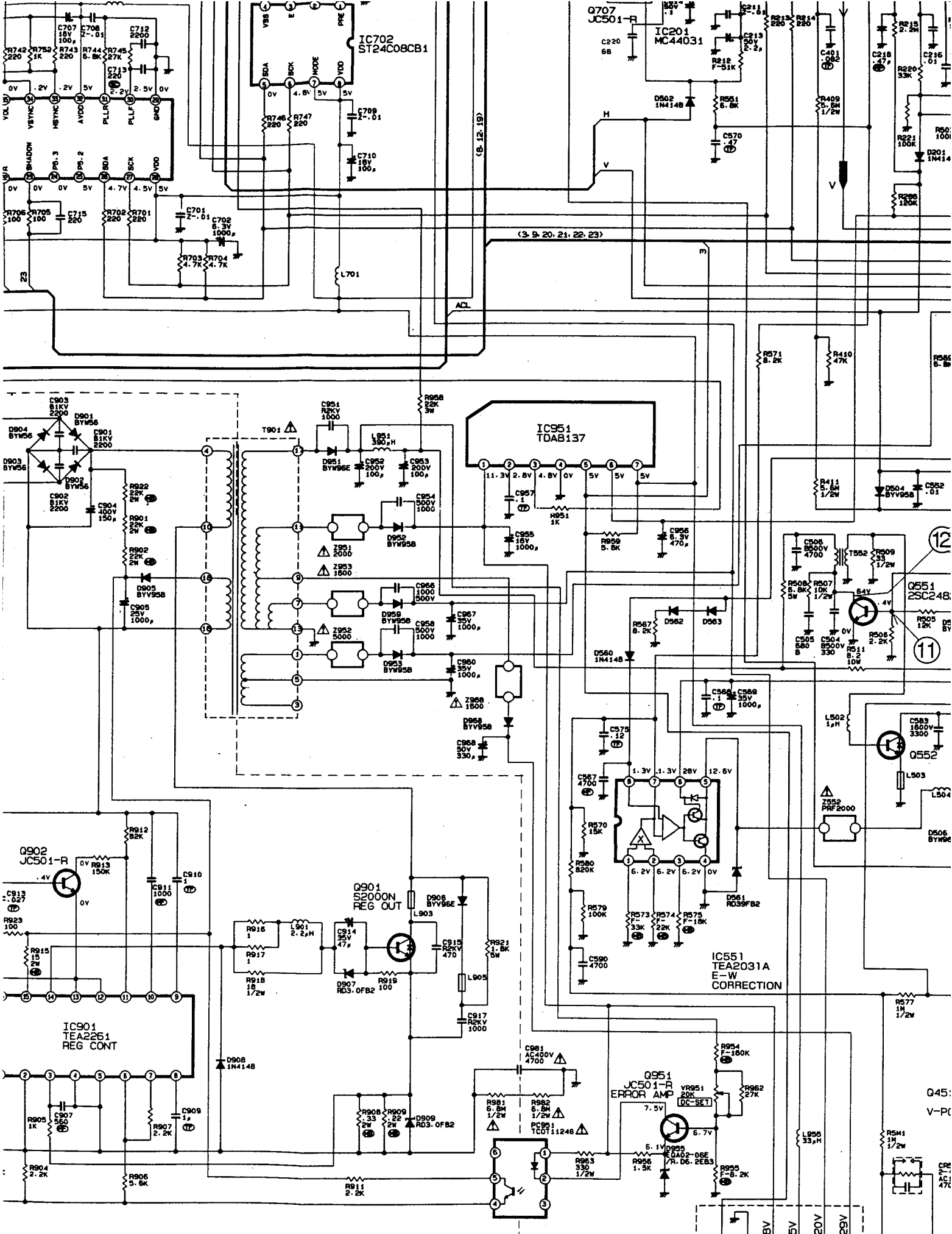
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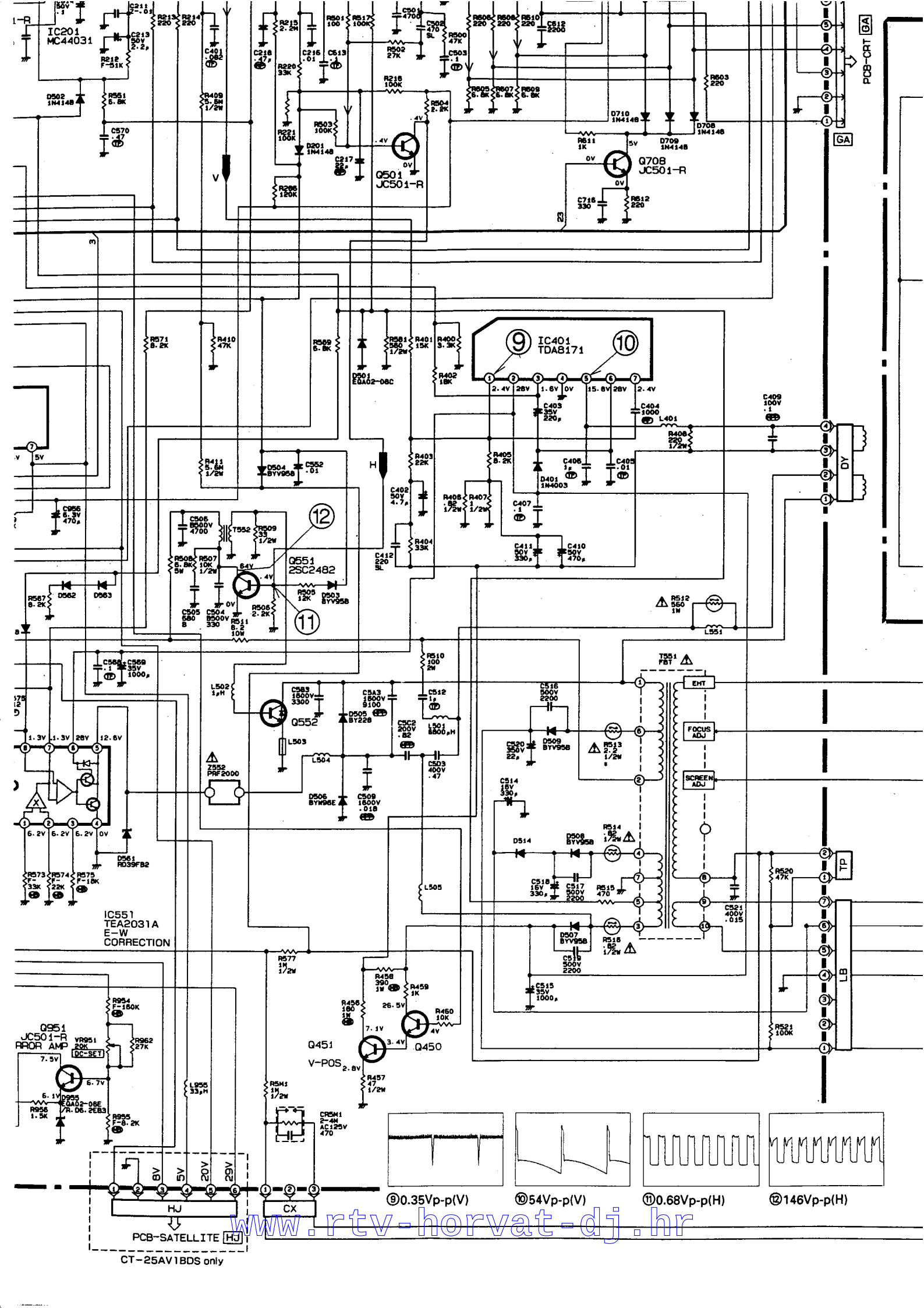
* See page ① for IC block diagrams.

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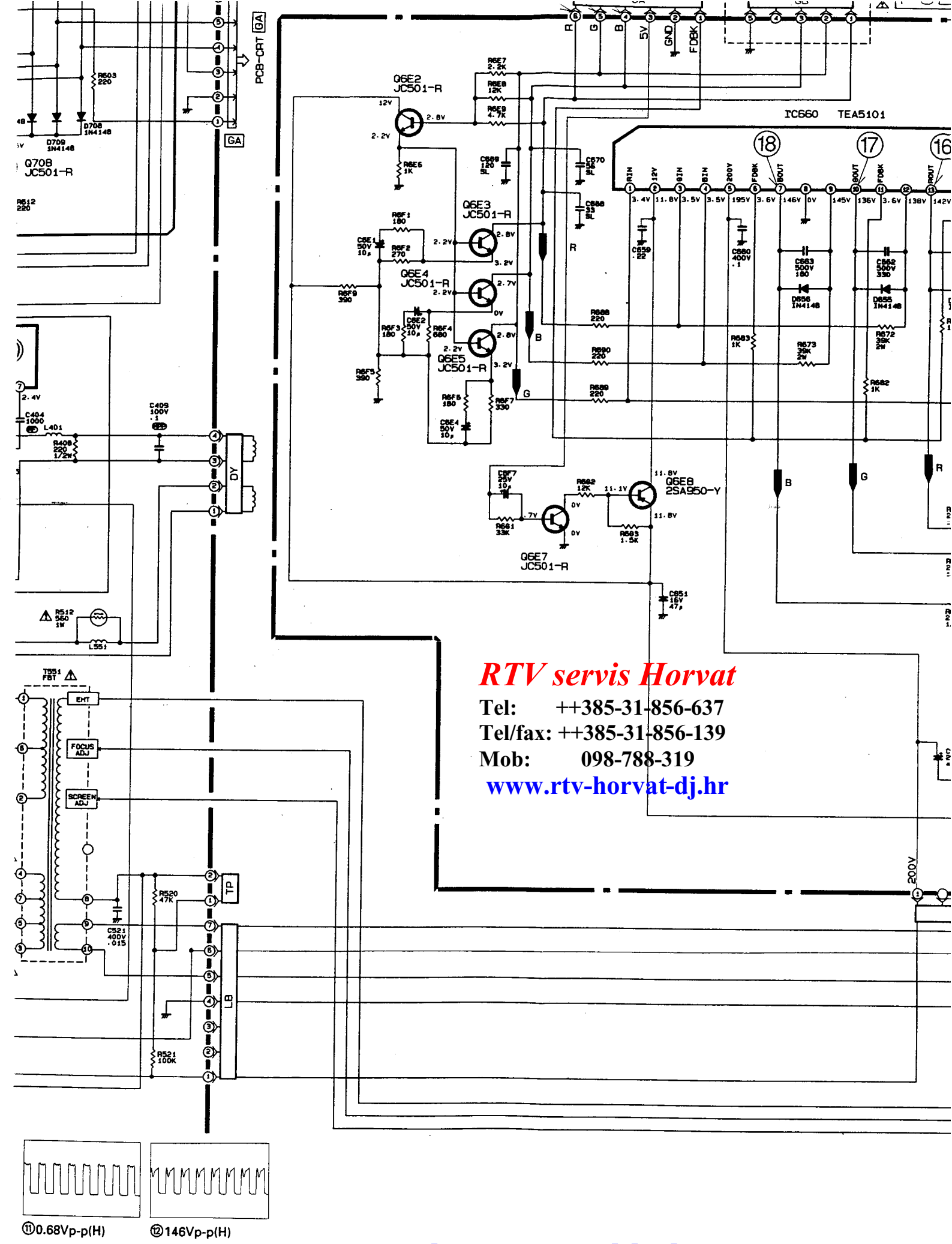


page ① for IC block diagrams.

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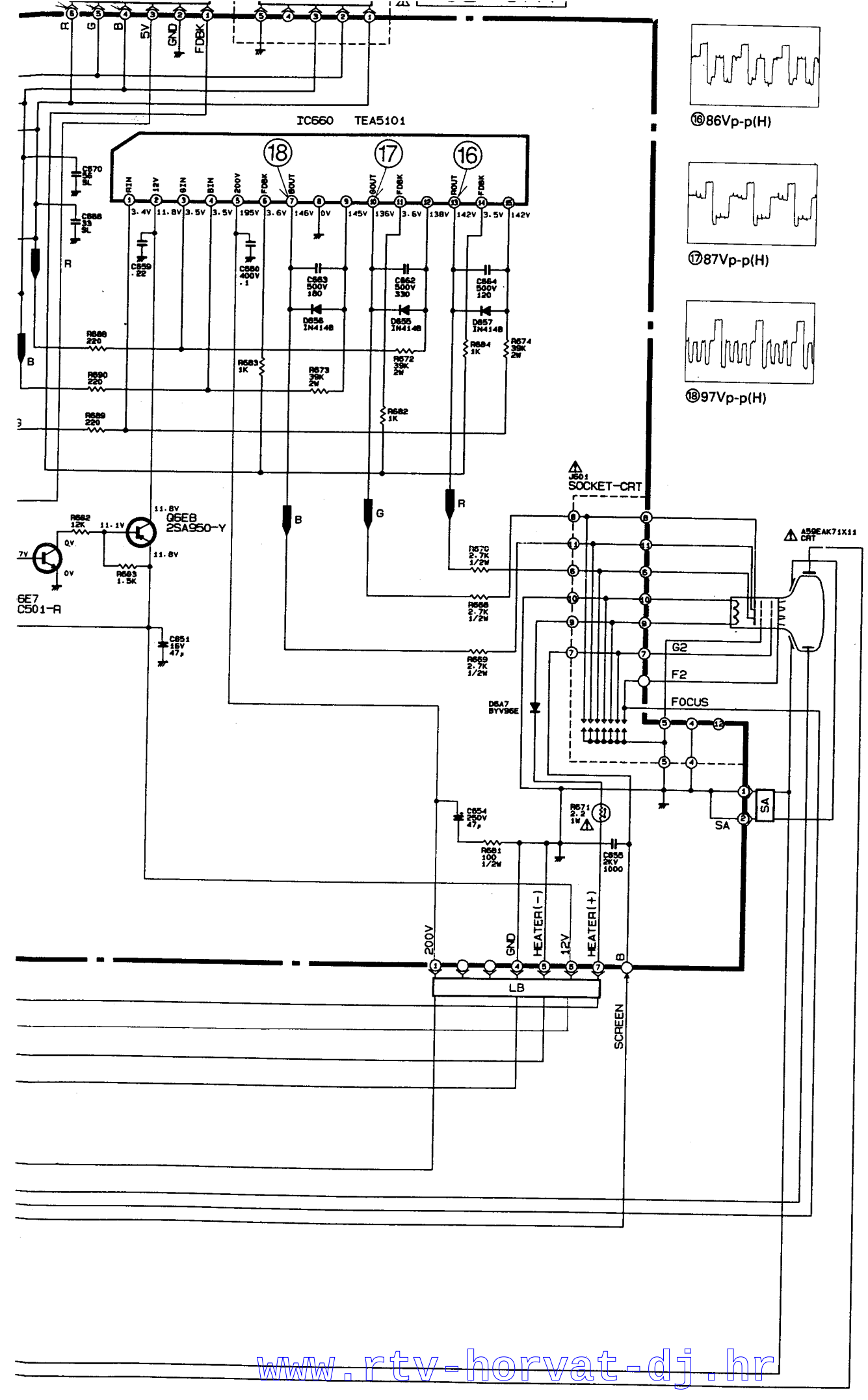
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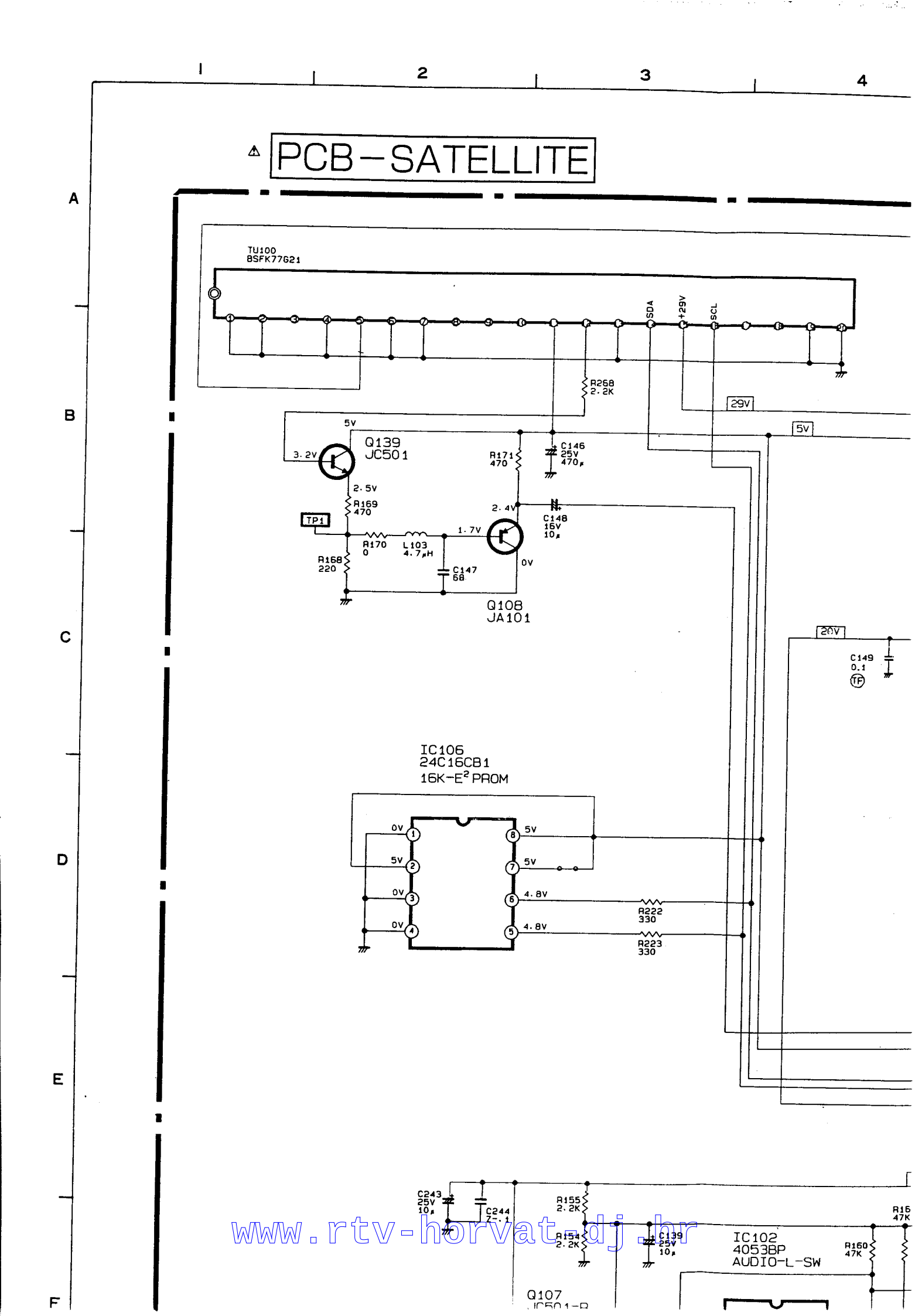
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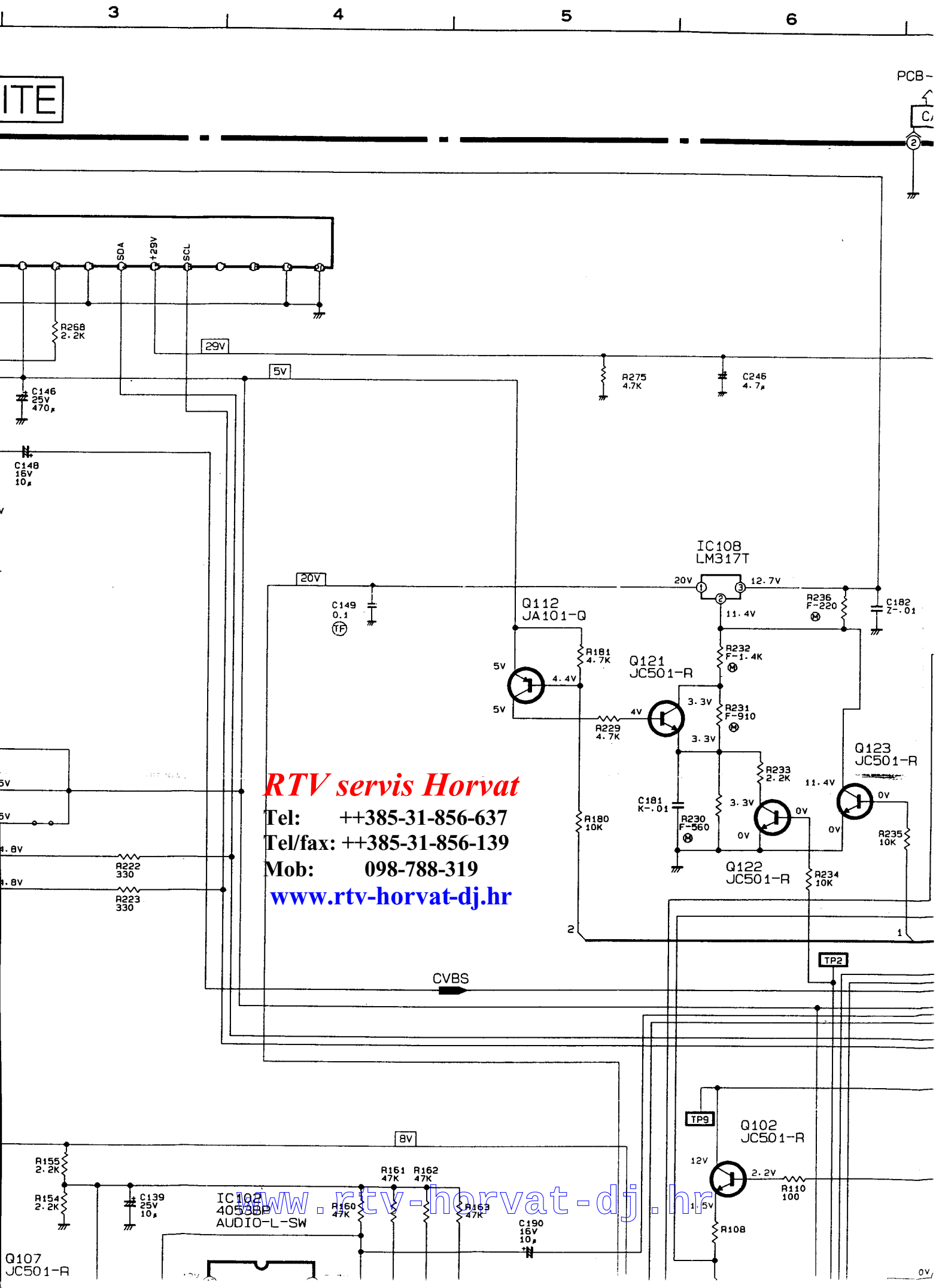
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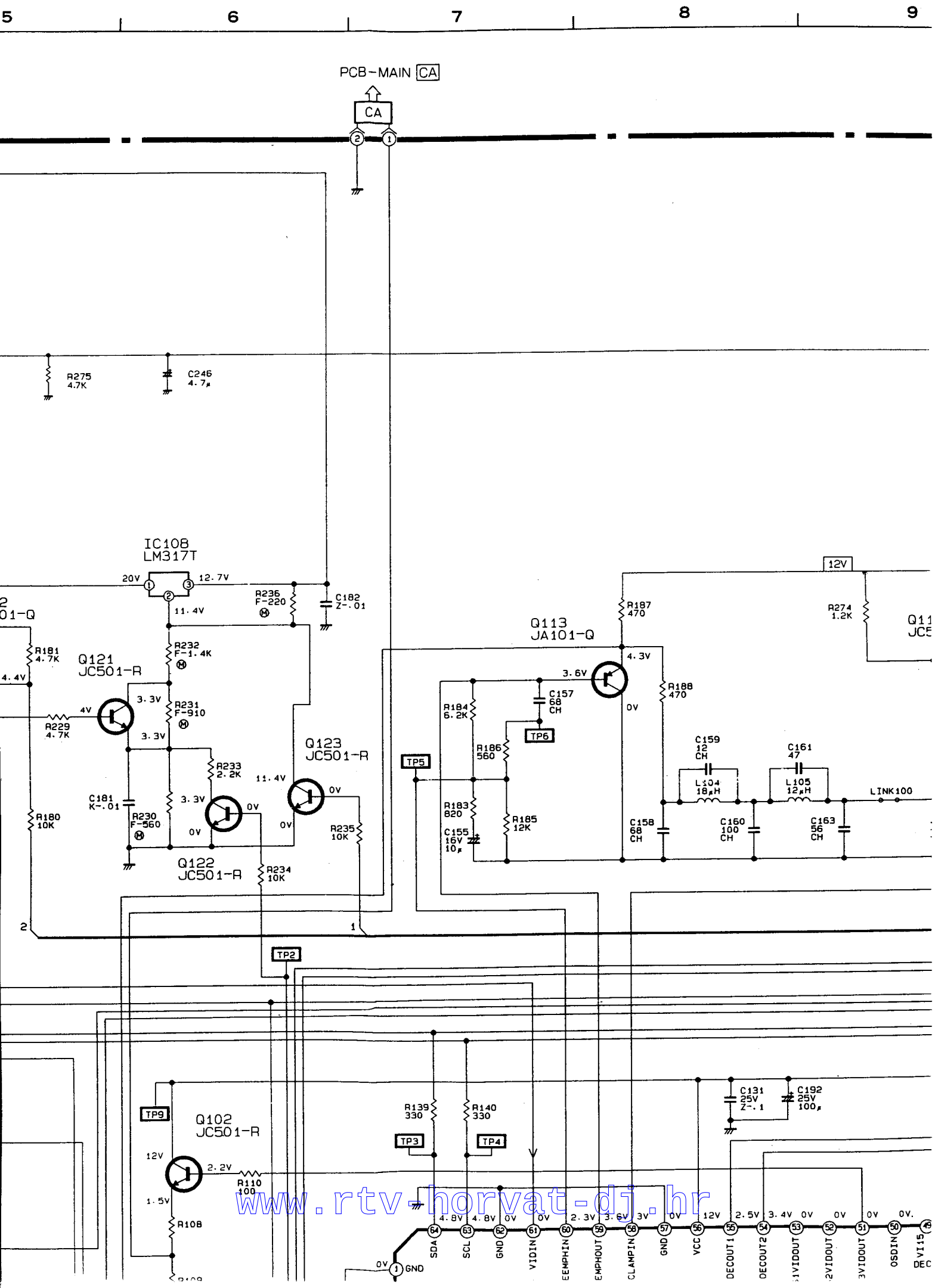


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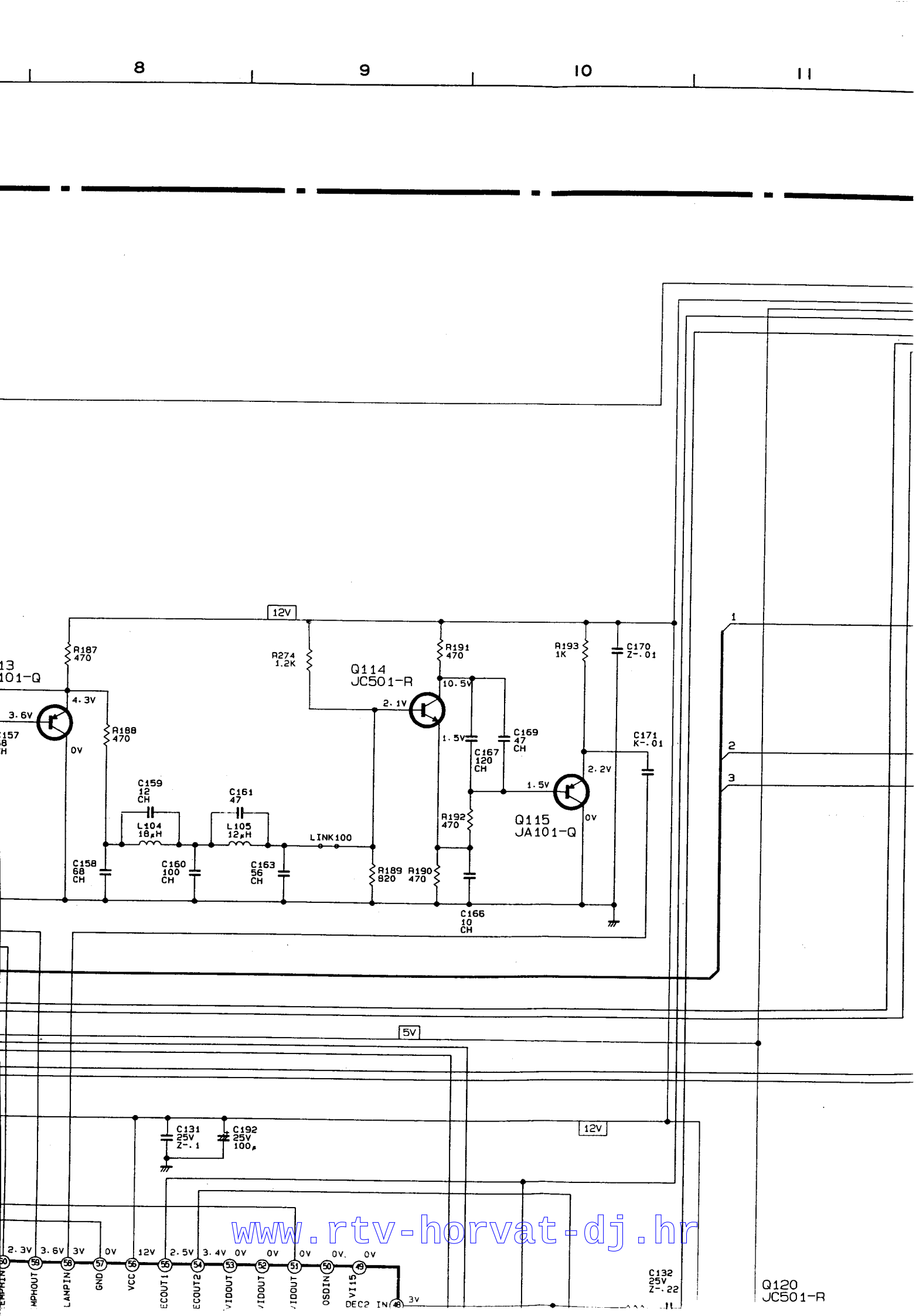


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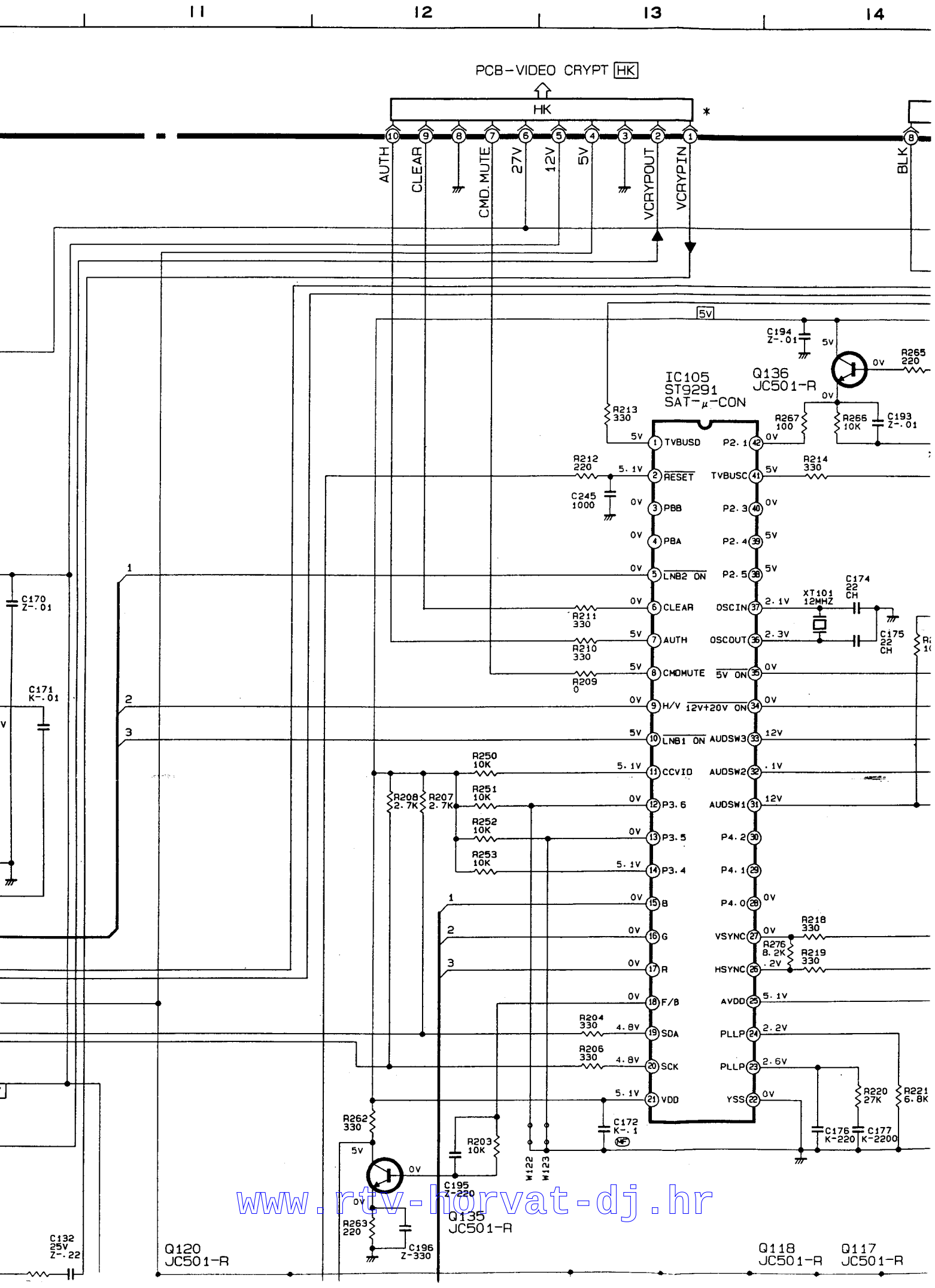

3
4
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PCB-
SDA
+29V
SCL
R268
2.2K
29V
5V
C146
25V
470μ
R275
4.7K
C245
4.7μ
C148
16V
10μ
IC108
LM317T
20V
12.7V
11.4V
C149
0.1
TF
Q112
JA101-Q
R181
4.7K
4.4V
5V
Q121
JC501-R
R232
F-1.4K
3.3V
R231
F-910
4V
R229
4.7K
R236
F-220
C182
Z-.01
Q123
JC501-R
R233
2.2K
11.4V
0V
C181
K-.01
R230
F-560
R180
10K
R235
10K
Q122
JC501-R
R234
10K
R222
330
R223
330
CVBS
TP2
TP9
Q102
JC501-R
12V
2.2V
R110
100
1.5V
R108
8V
R155
2.2K
R154
2.2K
C139
25V
10μ
IC102
4053BP
AUDIO-L-SW
R160
47K
R161
47K
R162
47K
R163
47K
C190
16V
10μ
Q107
JC501-R
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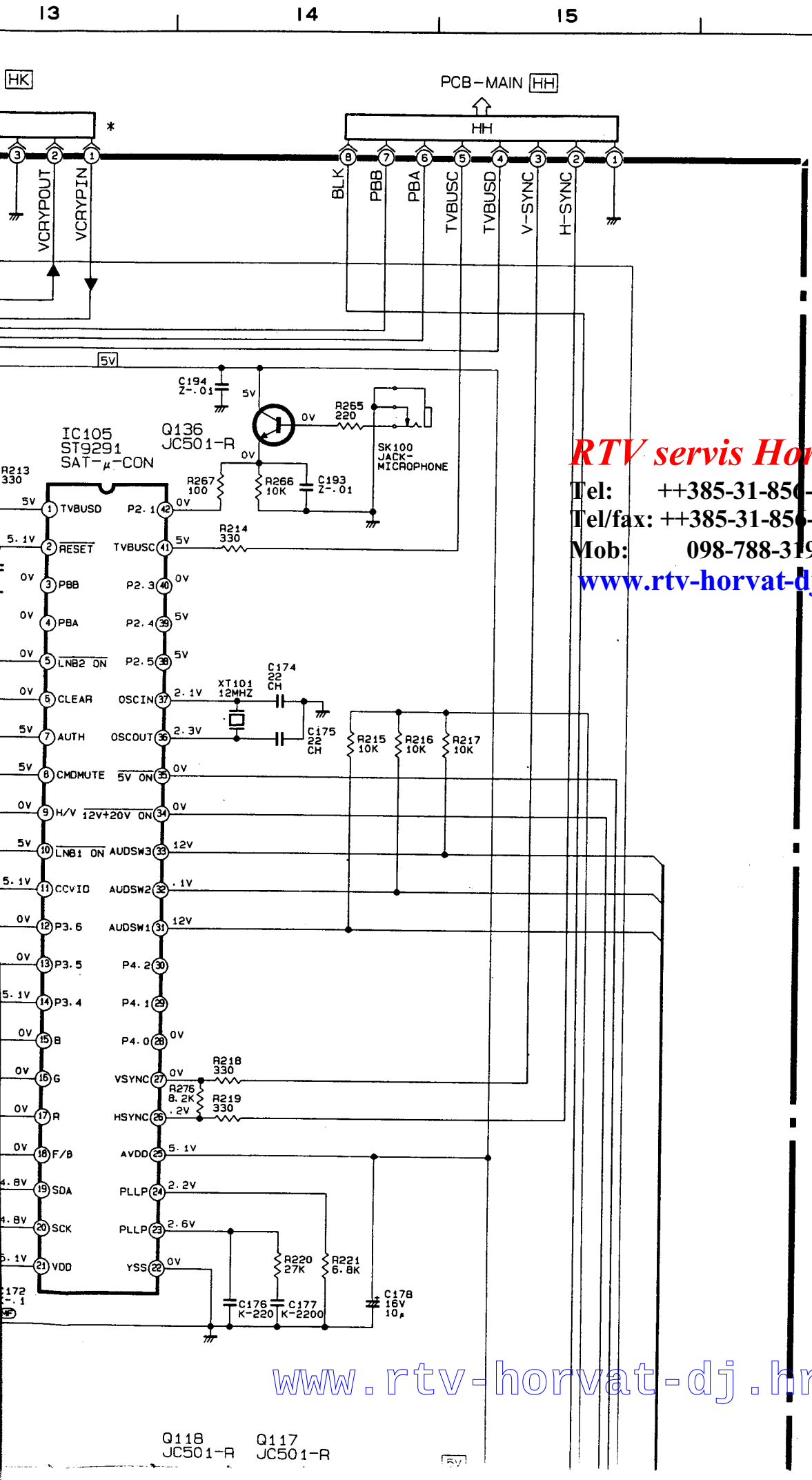
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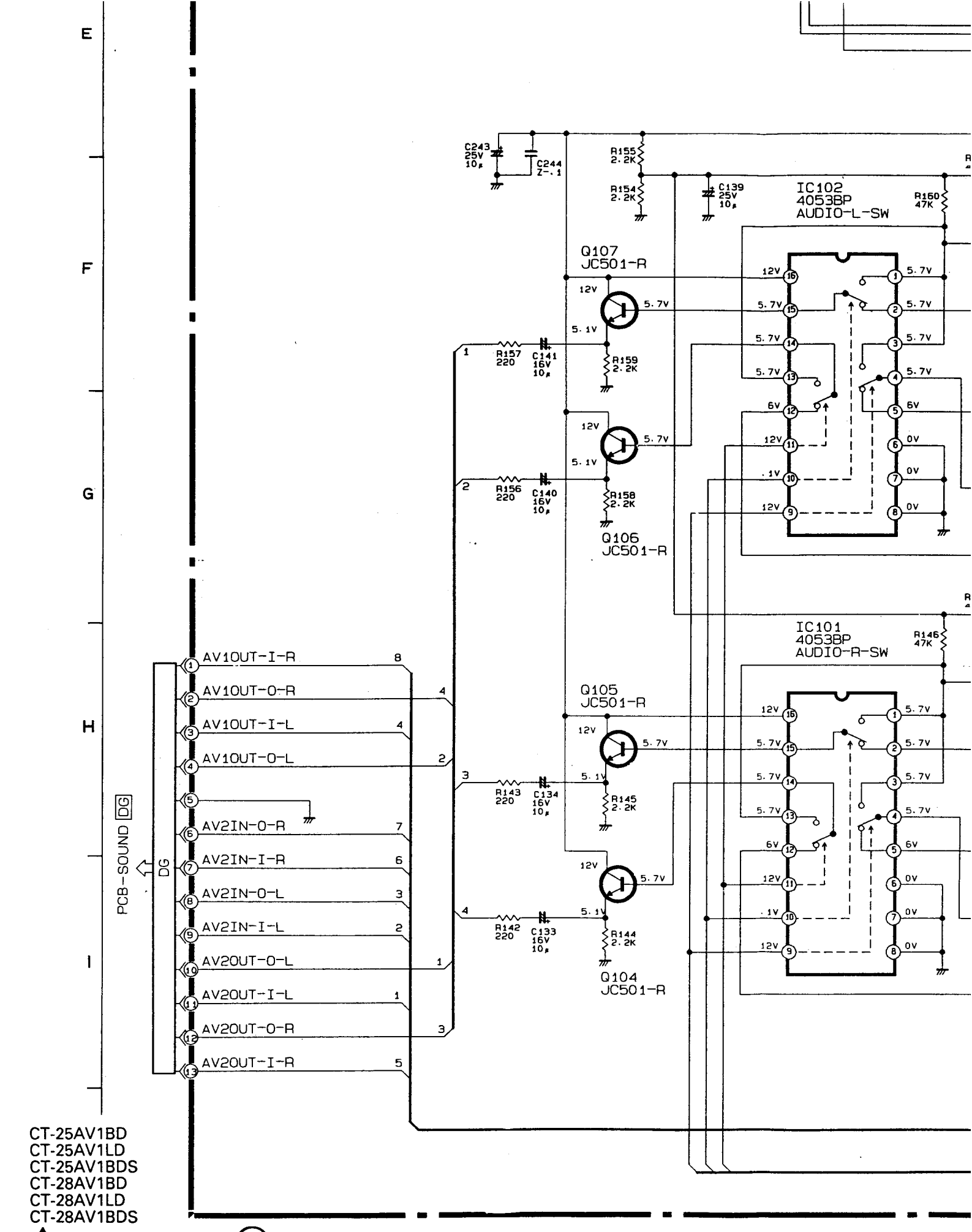
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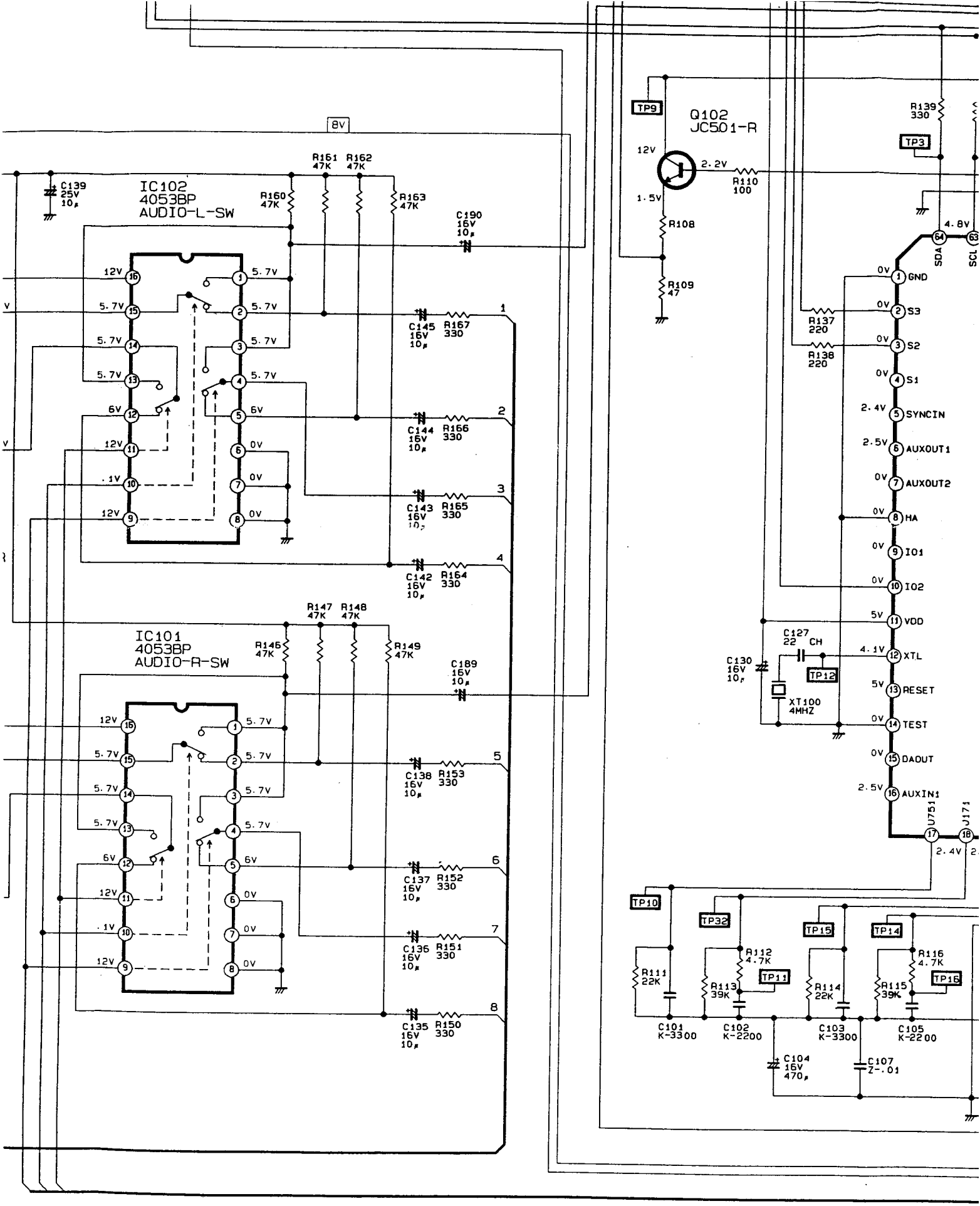
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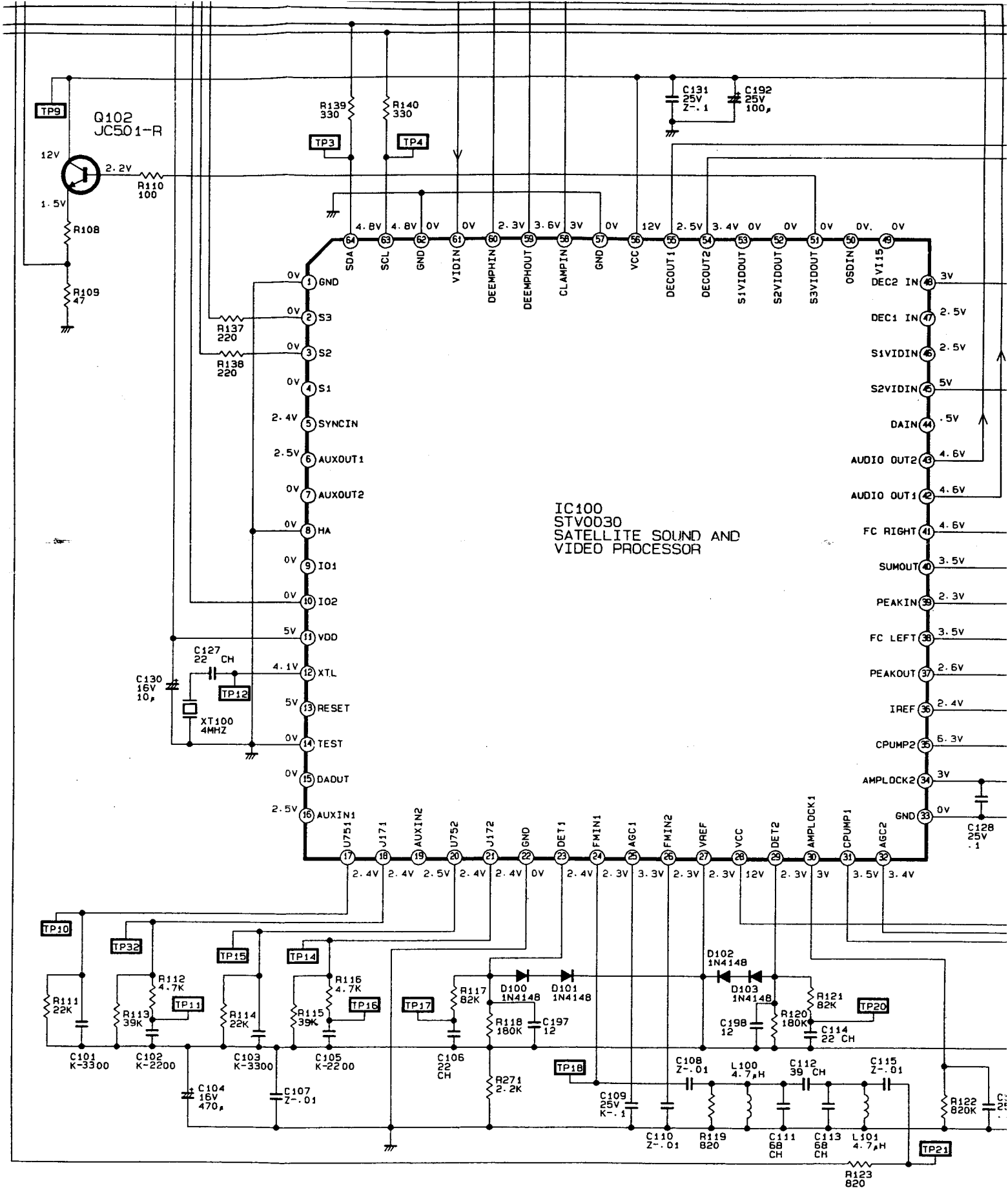
CT-25AV1BD
CT-25AV1LD
CT-25AV1BDS
CT-28AV1BD
CT-28AV1LD
CT-28AV1BDS

MITSUBISHI ④

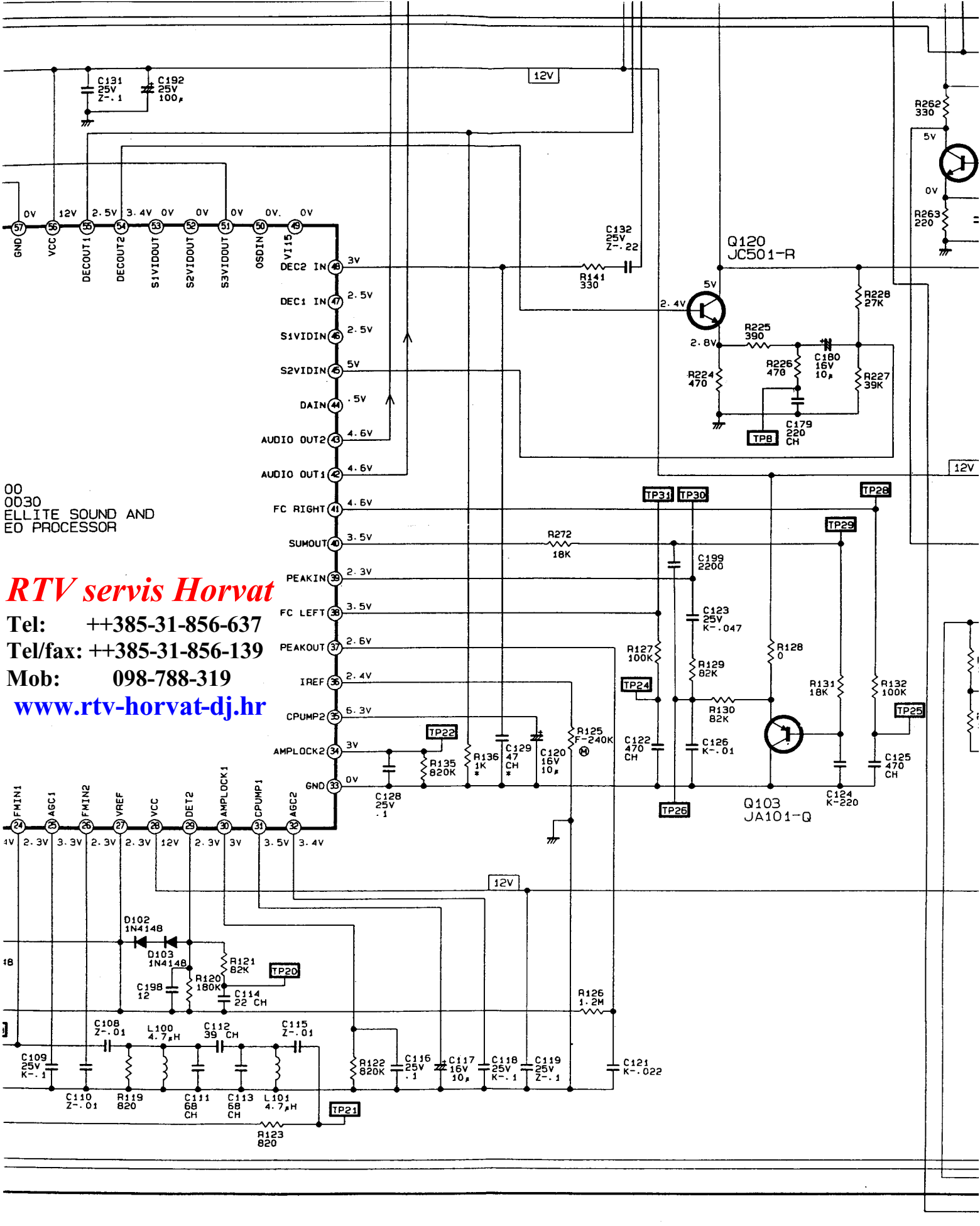
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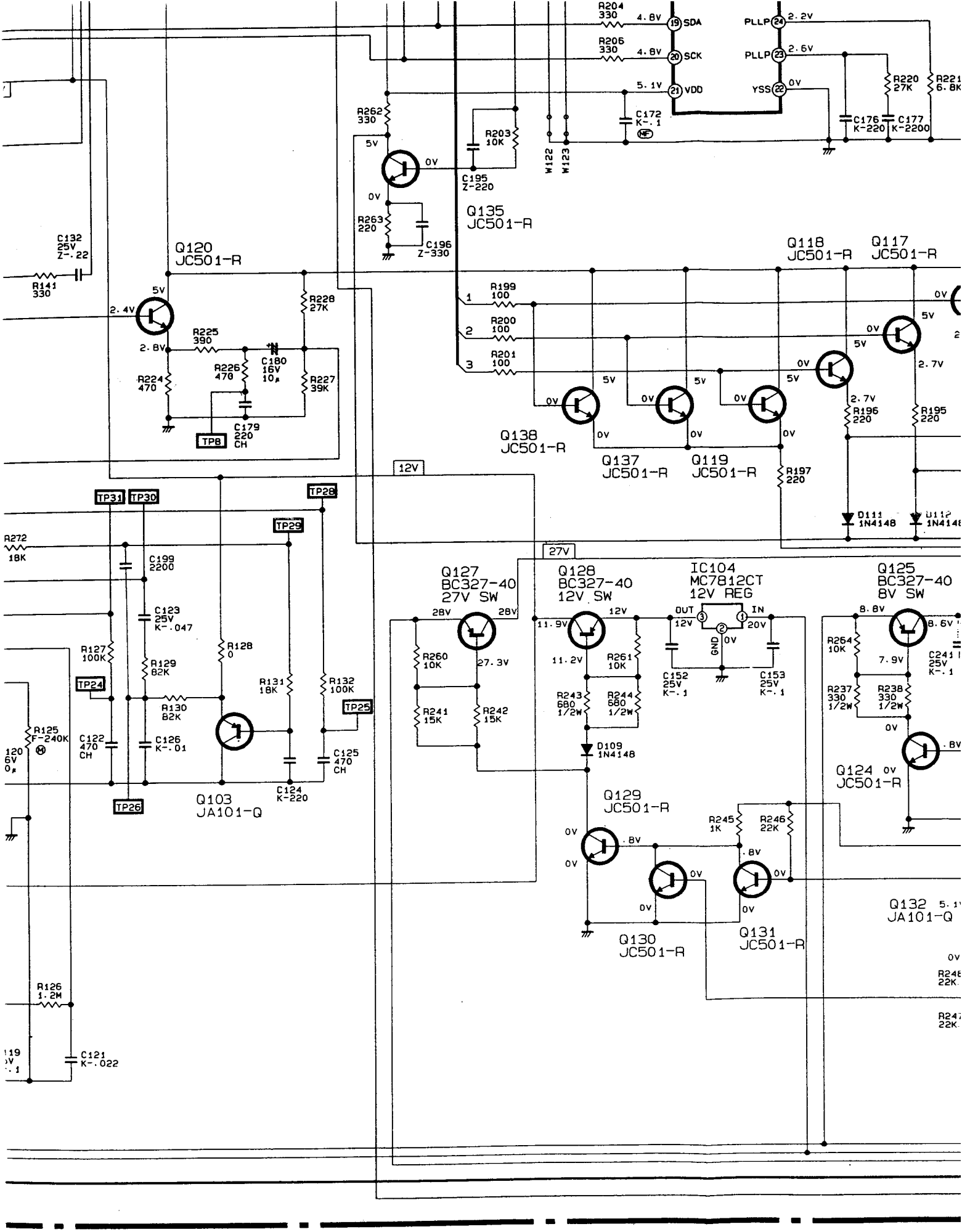
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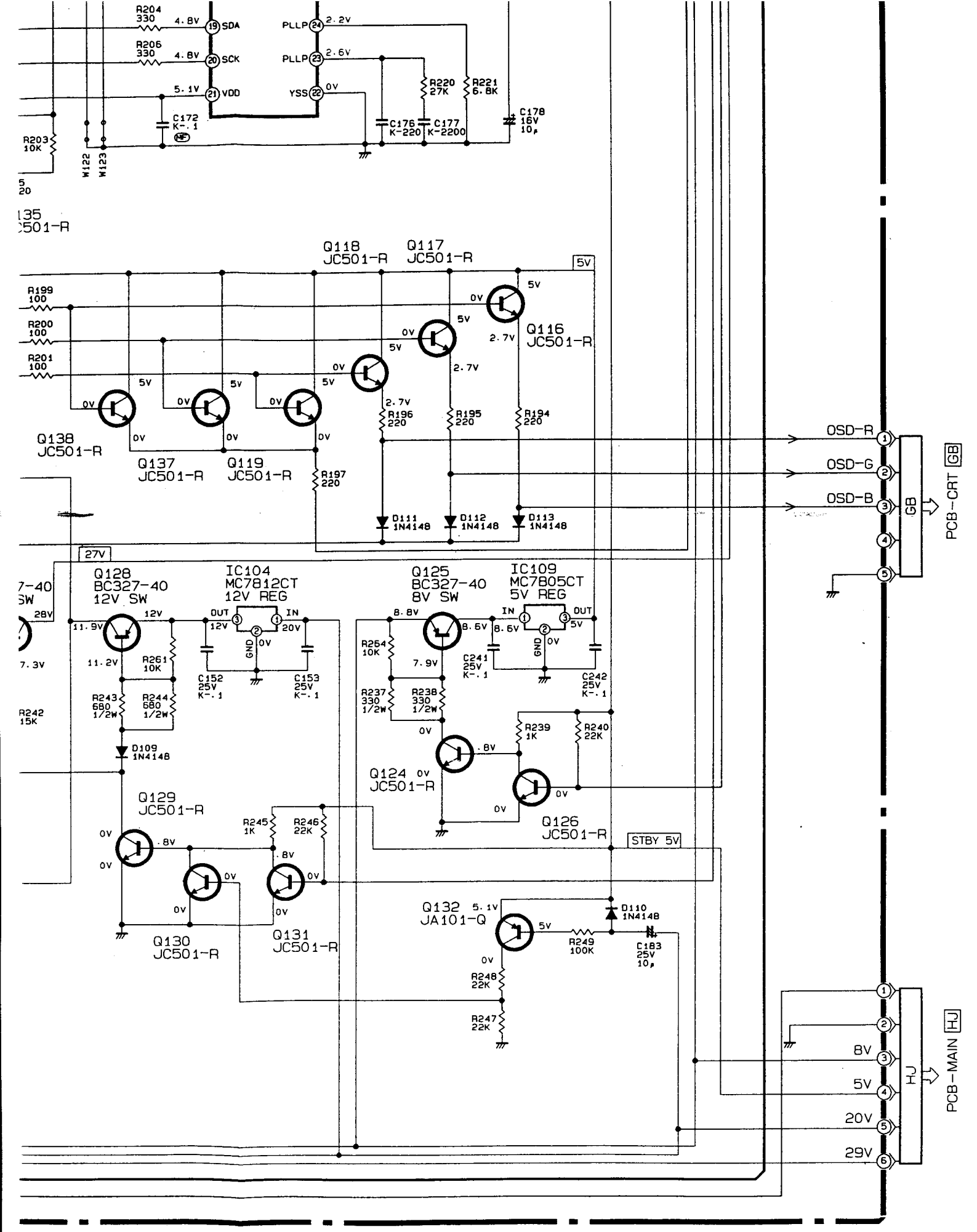
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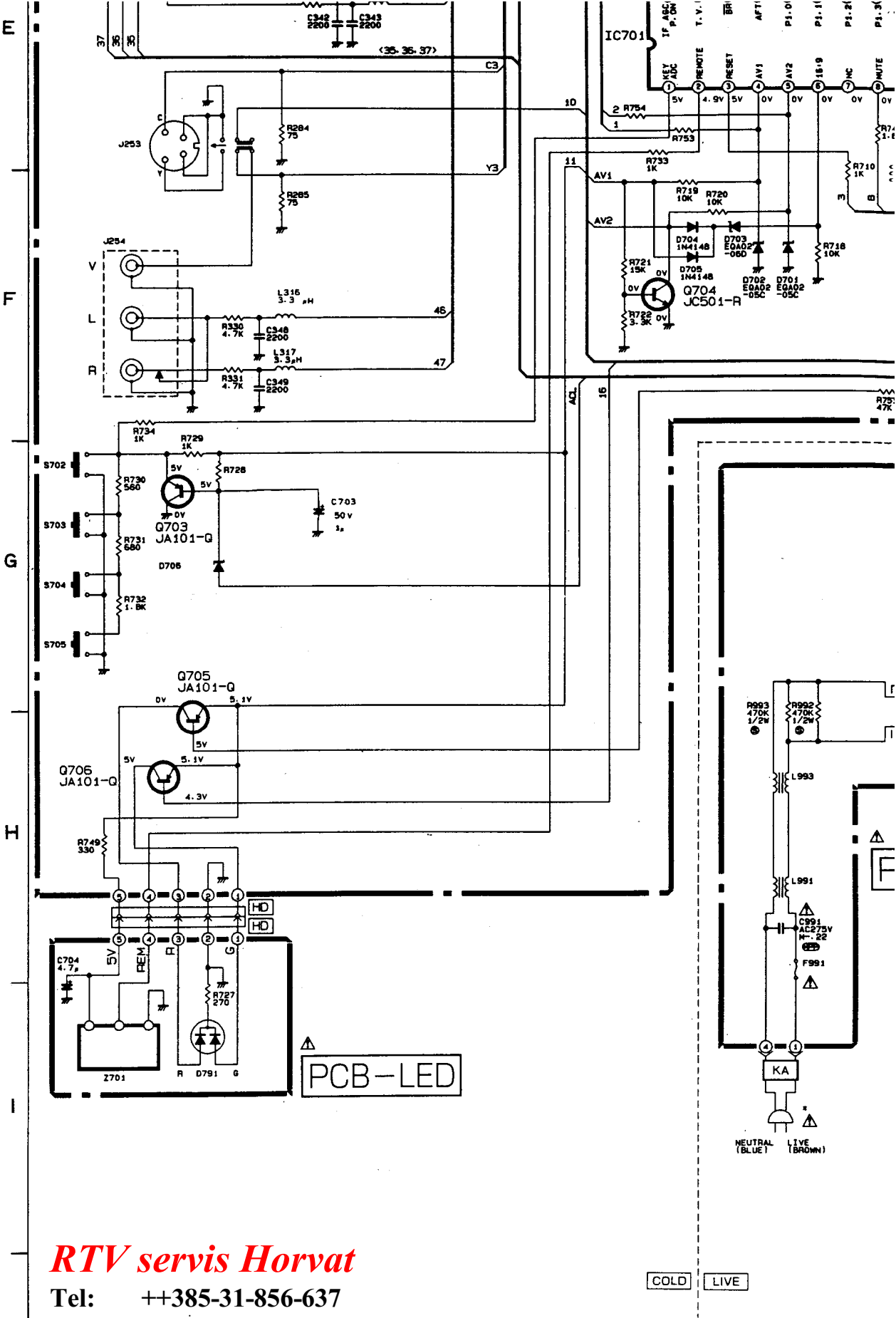
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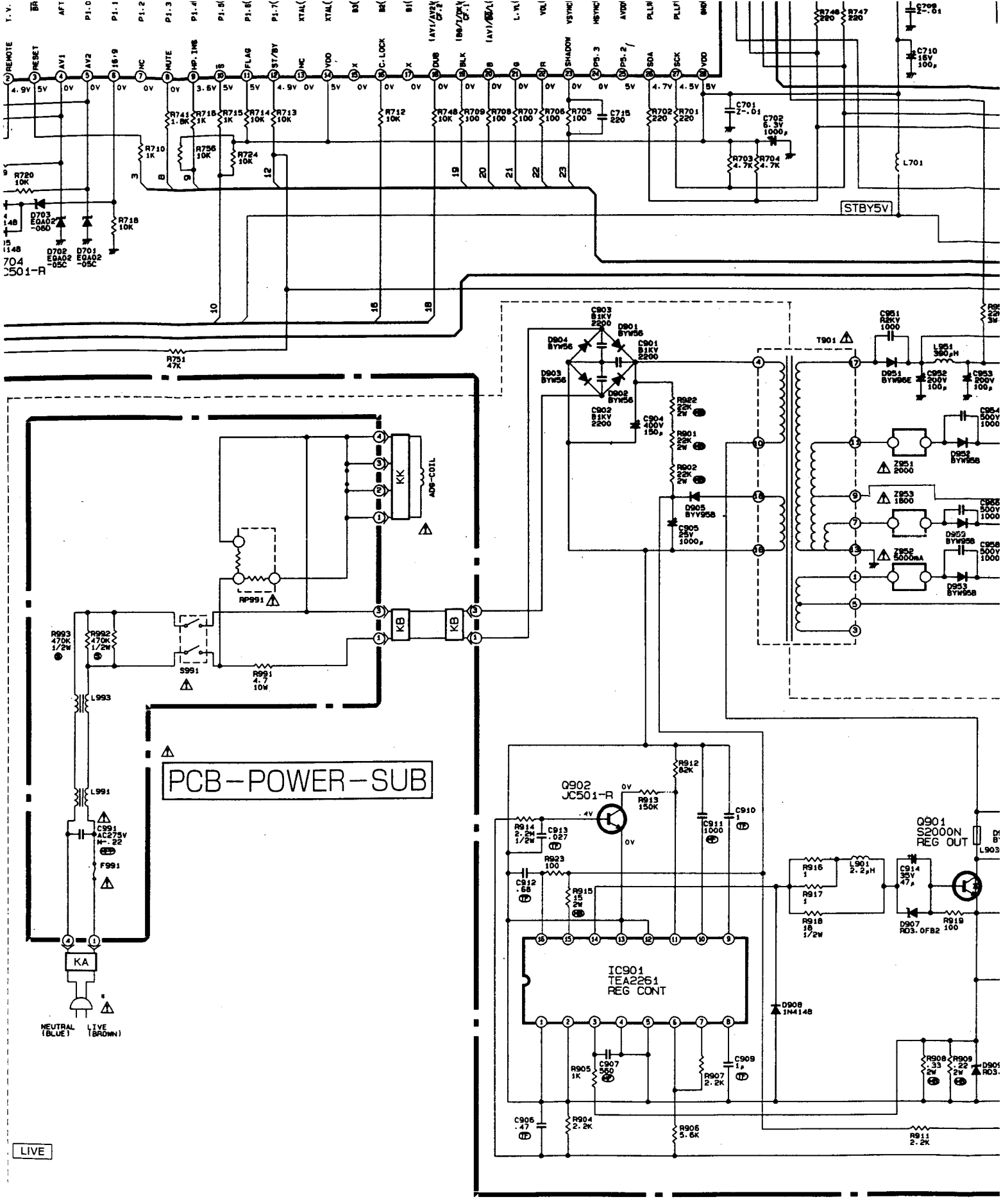


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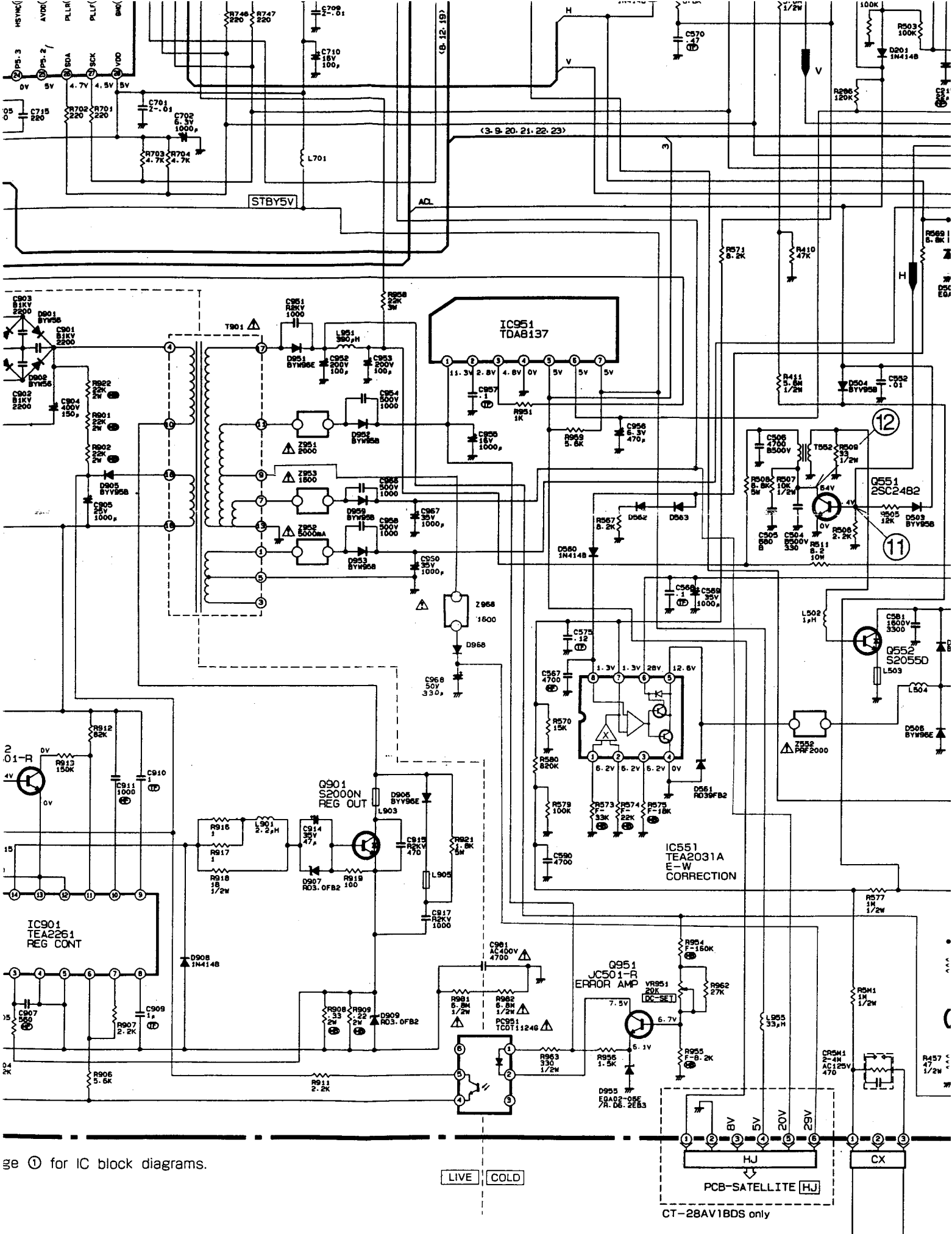
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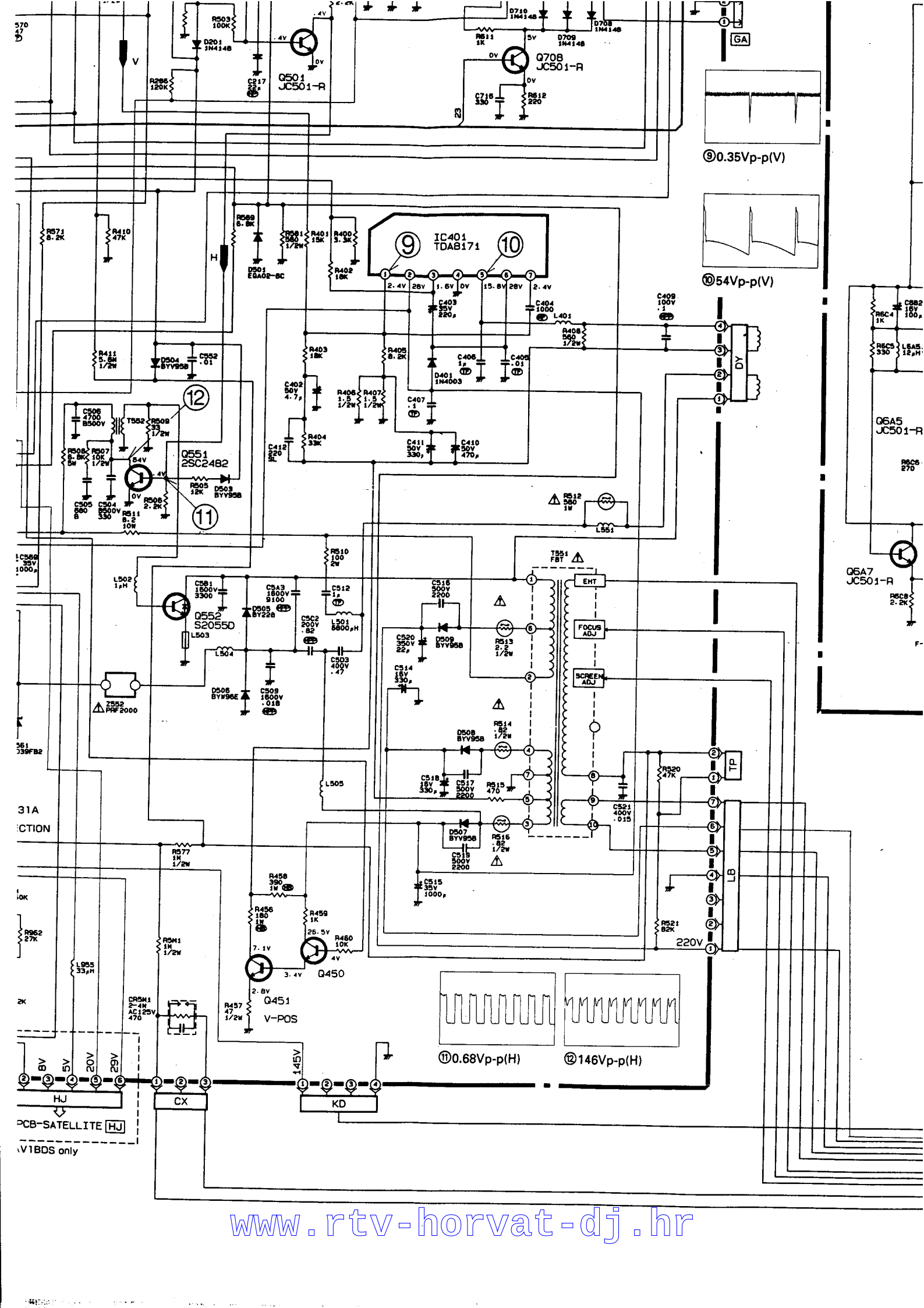
* See page ① for IC block diagrams.

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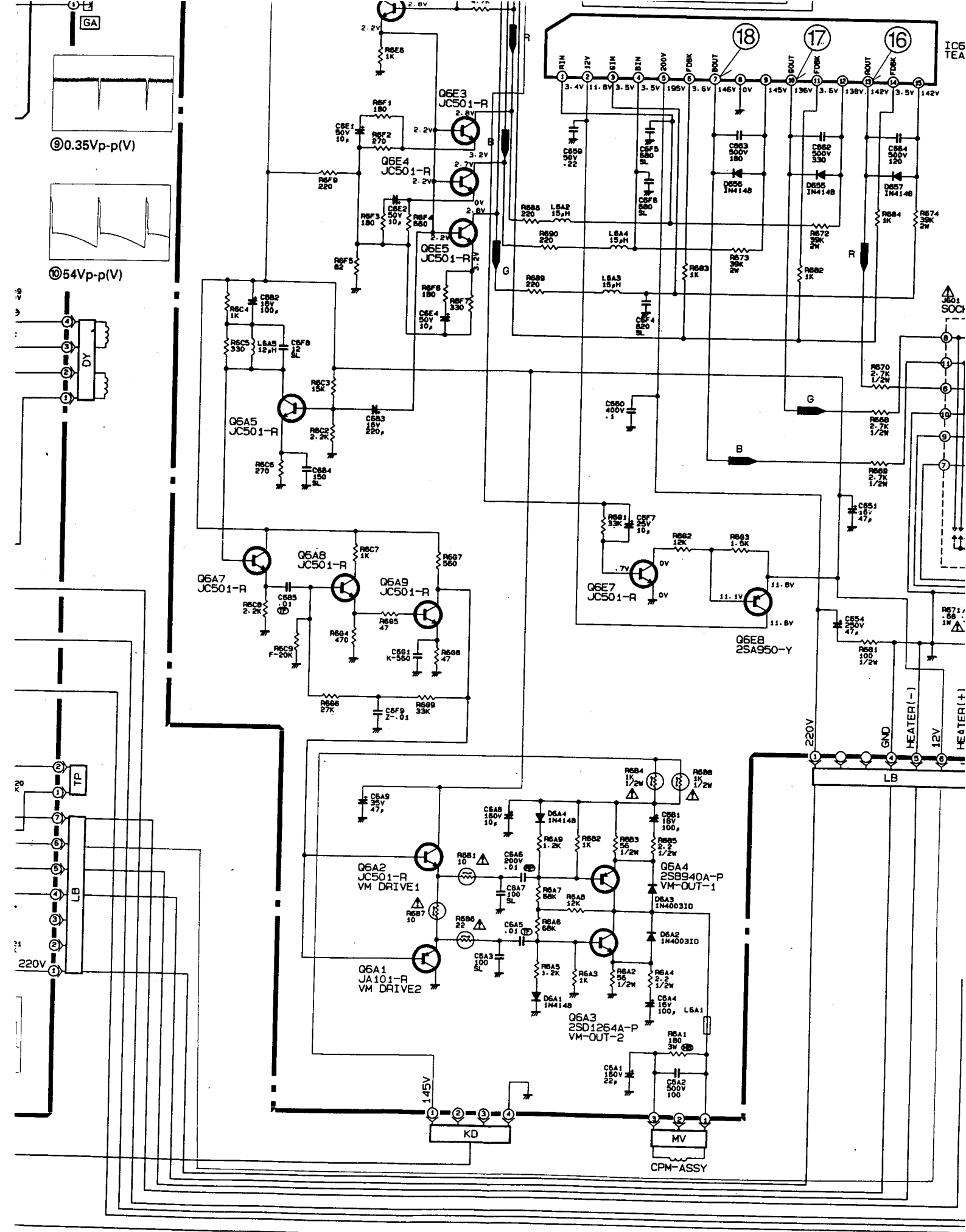


ge ① for IC block diagrams.

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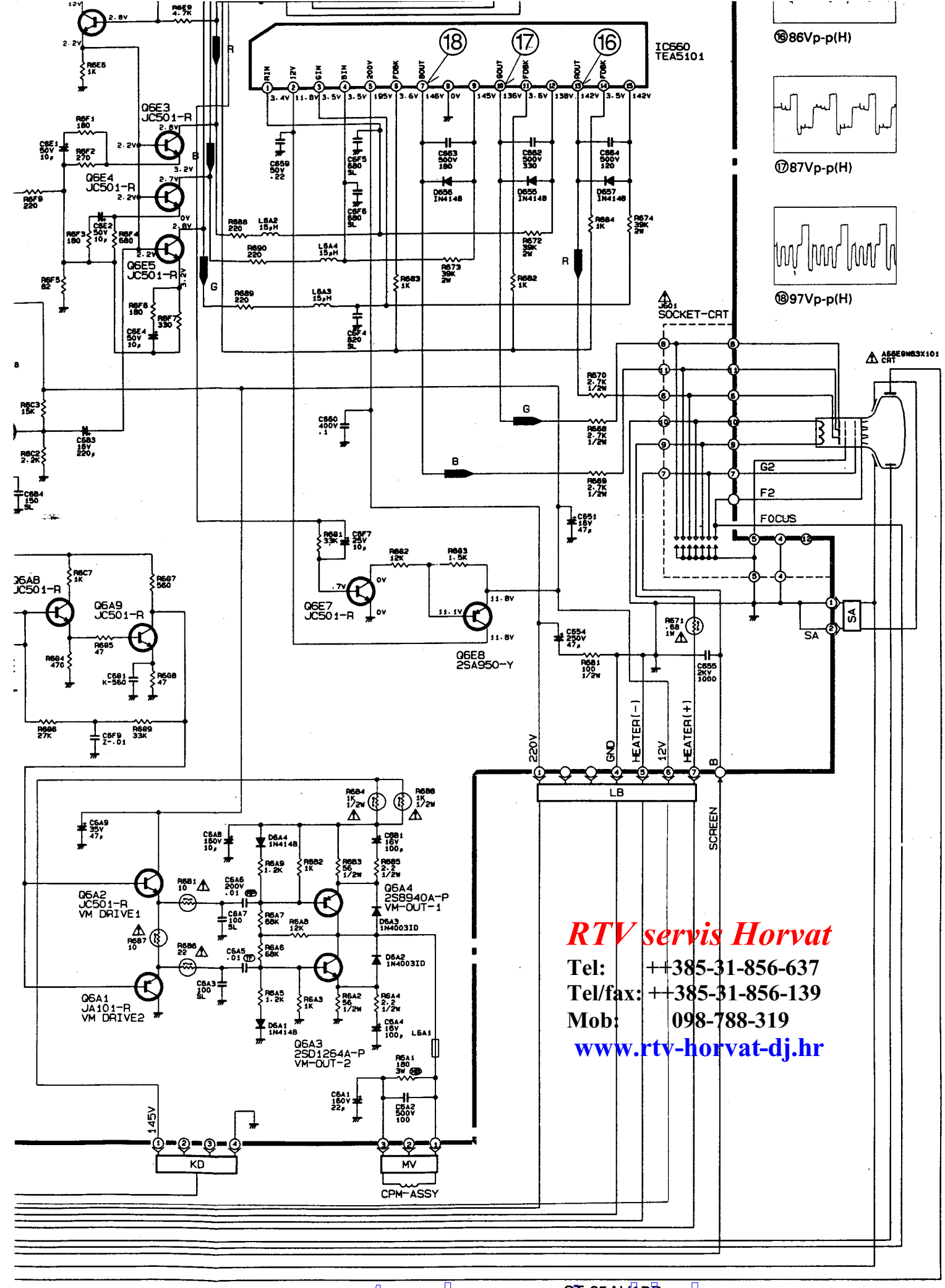


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CT-25AV1BD
CT-25AV1LD
CT-25AV1BDS
CT-28AV1BD
CT-28AV1LD
CT-28AV1BDS

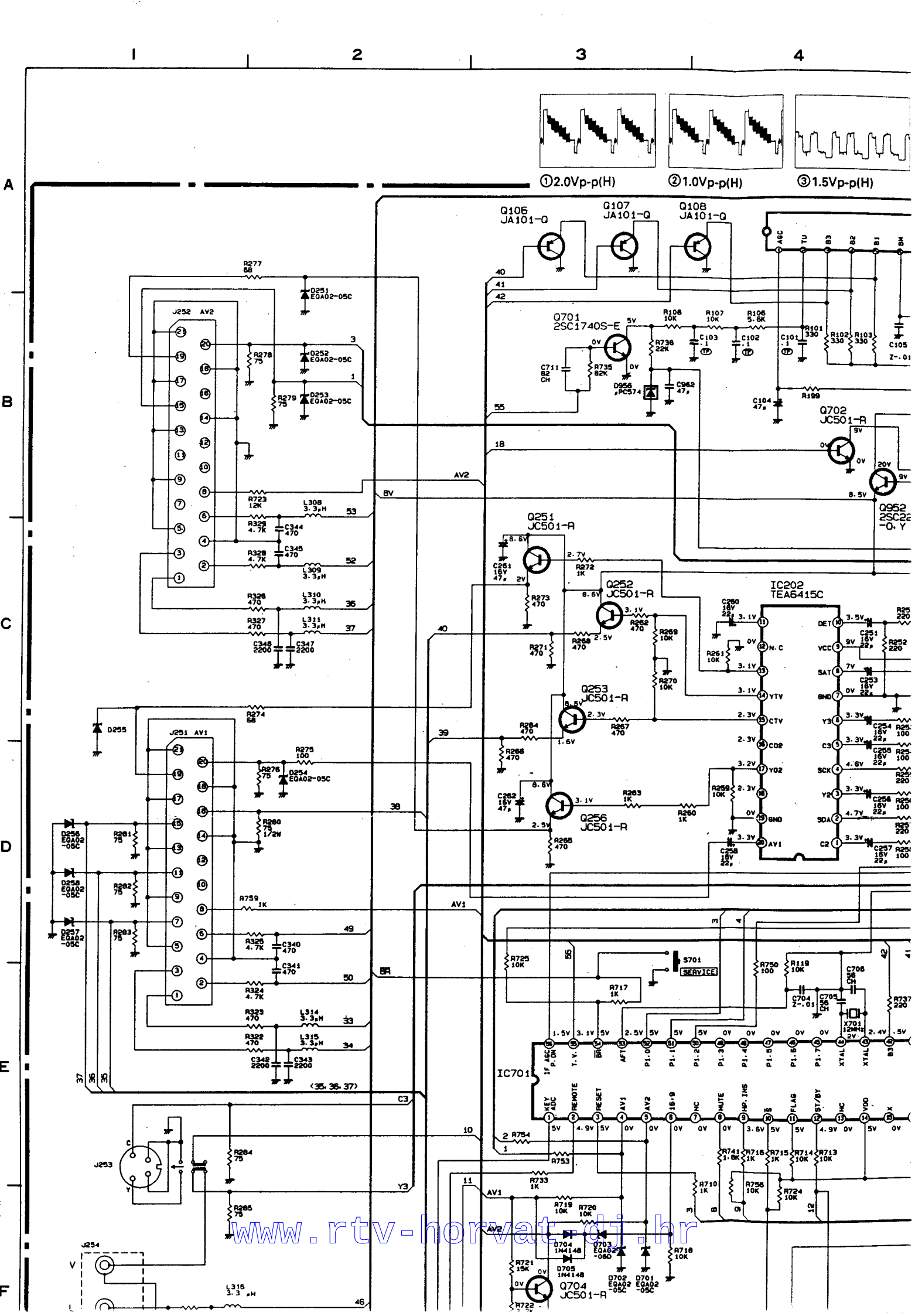


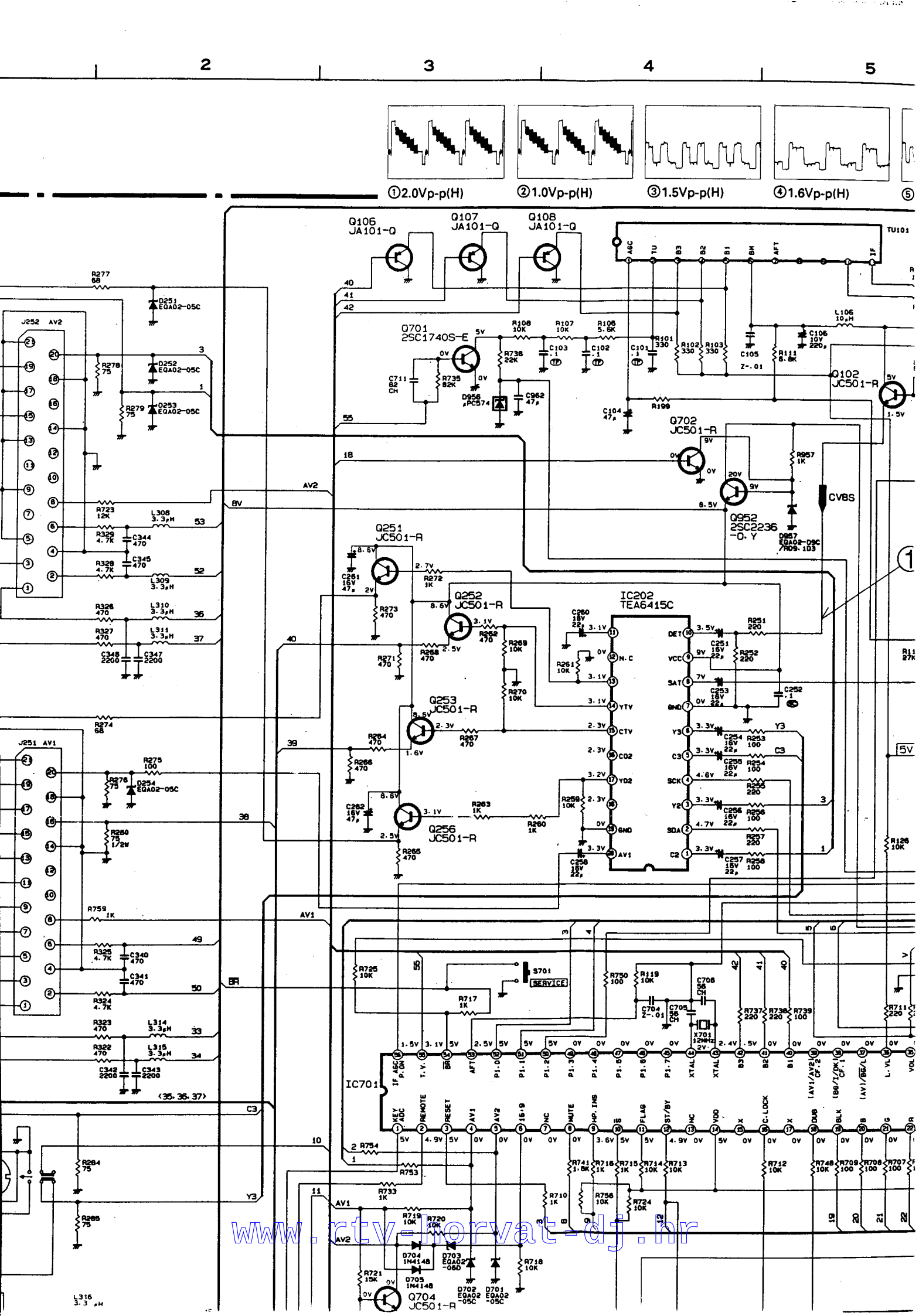
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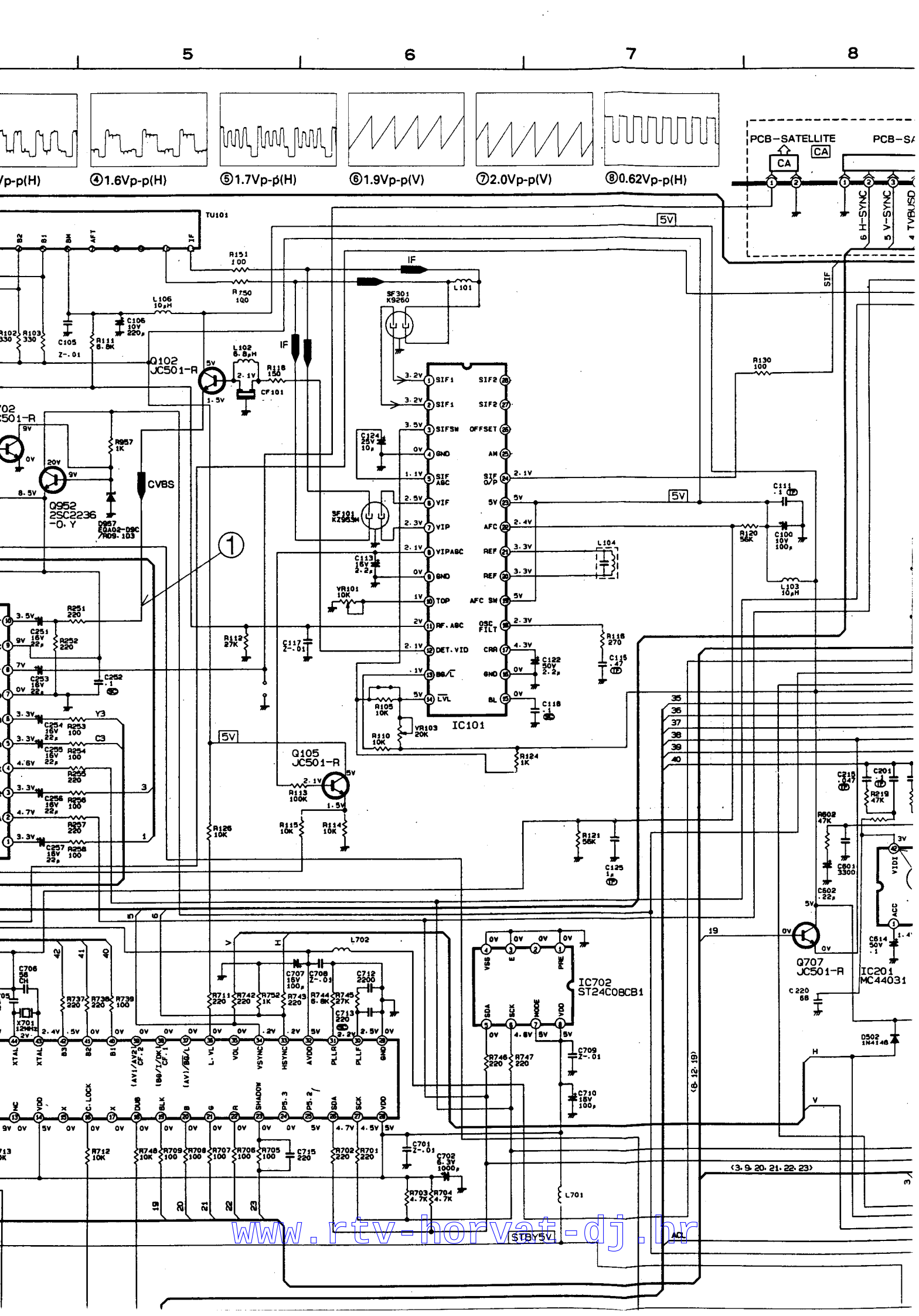
CT-25AV1BD
CT-25AV1LD
CT-25AV1BDS
CT-28AV1BD
CT-28AV1LD
CT-28AV1BDS

MITSUBISHI ③

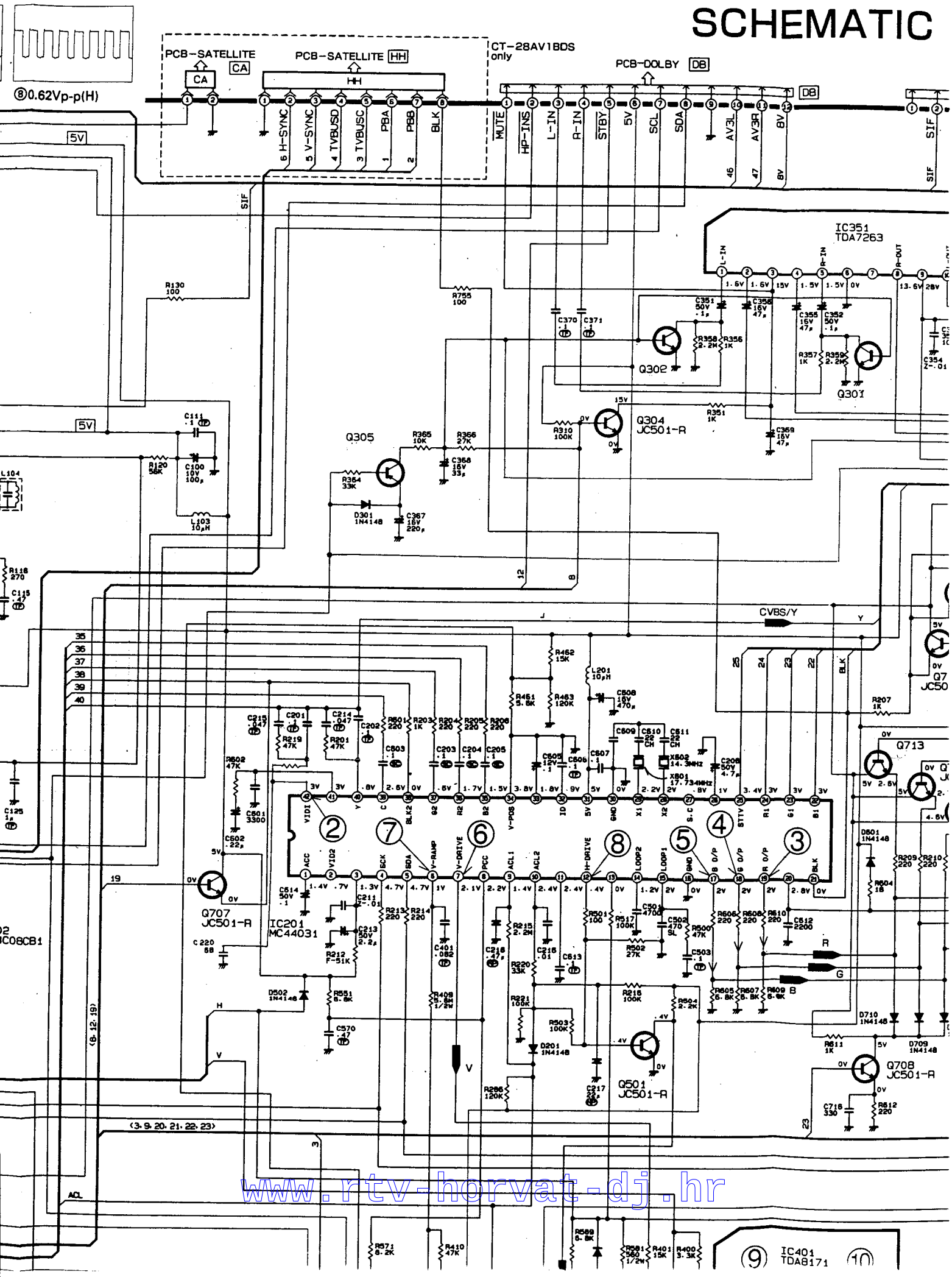

①2.0Vp-p(H)
②1.0Vp-p(H)
③1.5Vp-p(H)
Q106 JA101-Q
Q107 JA101-Q
Q108 JA101-Q
Q701 2SC1740S-E
Q702 JC501-R
Q251 JC501-A
Q252 JC501-R
Q253 JC501-R
Q256 JC501-R
Q704 JC501-R
IC202 TEA6415C
IC701
J252 AV2
J251 AV1
J253
J254
S701 SERVICE
X701 12MHz
AV1
AV2
8V
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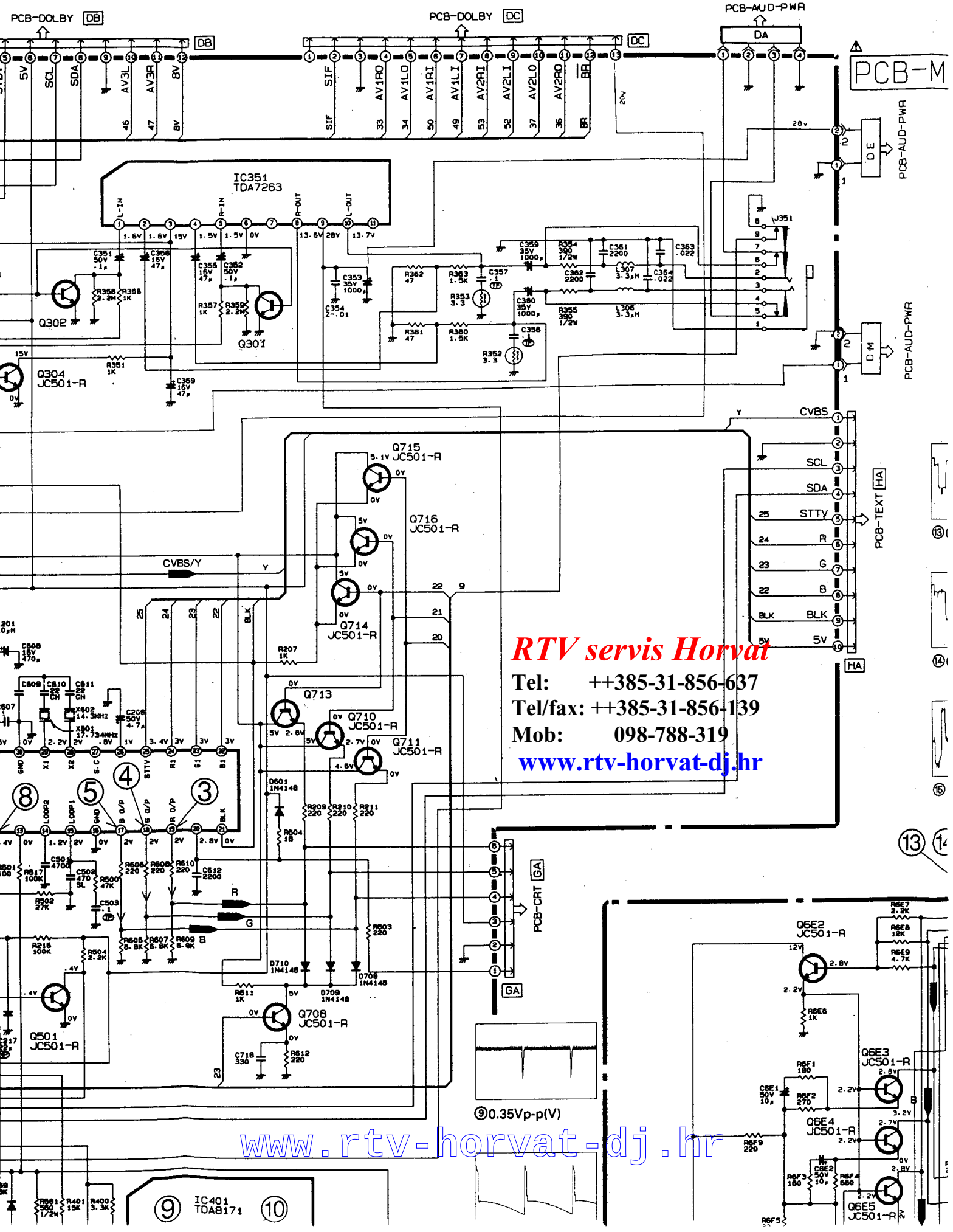
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5
6
7
8
④1.6Vp-p(H)
⑤1.7Vp-p(H)
⑥1.9Vp-p(V)
⑦2.0Vp-p(V)
⑧0.62Vp-p(H)
PCB-SATELLITE
CA
TU101
IF
SIF
5V
CVBS
Q102
JC501-R
Q952
2SC2236
-O-Y
Q105
JC501-R
Q707
JC501-R
IC101
IC702
ST24C08CB1
IC201
MC44031
SF301
KS260
SF101
KZ953M
L101
L102
L103
L104
L106
L701
L702
CF101
VR101
VR103
X701
D502
1N4148
H
V
ACC
STBY5V
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SCHEMATIC


⑧0.62Vp-p(H)
PCB-SATELLITE
CA
PCB-SATELLITE HH
HH
CT-28AV1BDS only
PCB-DOLBY DB
6 H-SYNC
5 V-SYNC
4 TVBUSD
3 TVBUSC
PBA
PBB
BLK
MUTE
HP-INS
L-IN
R-IN
STBY
5V
SCL
SDA
AV3L
AV3R
8V
SIF
IC351
TDA7263
Q302
Q301
Q304
JC501-R
Q305
CVBS/Y
IC201
MC44031
Q707
JC501-R
Q501
JC501-R
Q708
JC501-R
Q713
IC401
TDA8171
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SCHEMATIC DIAGRAMS : CT-28AV1BD/L



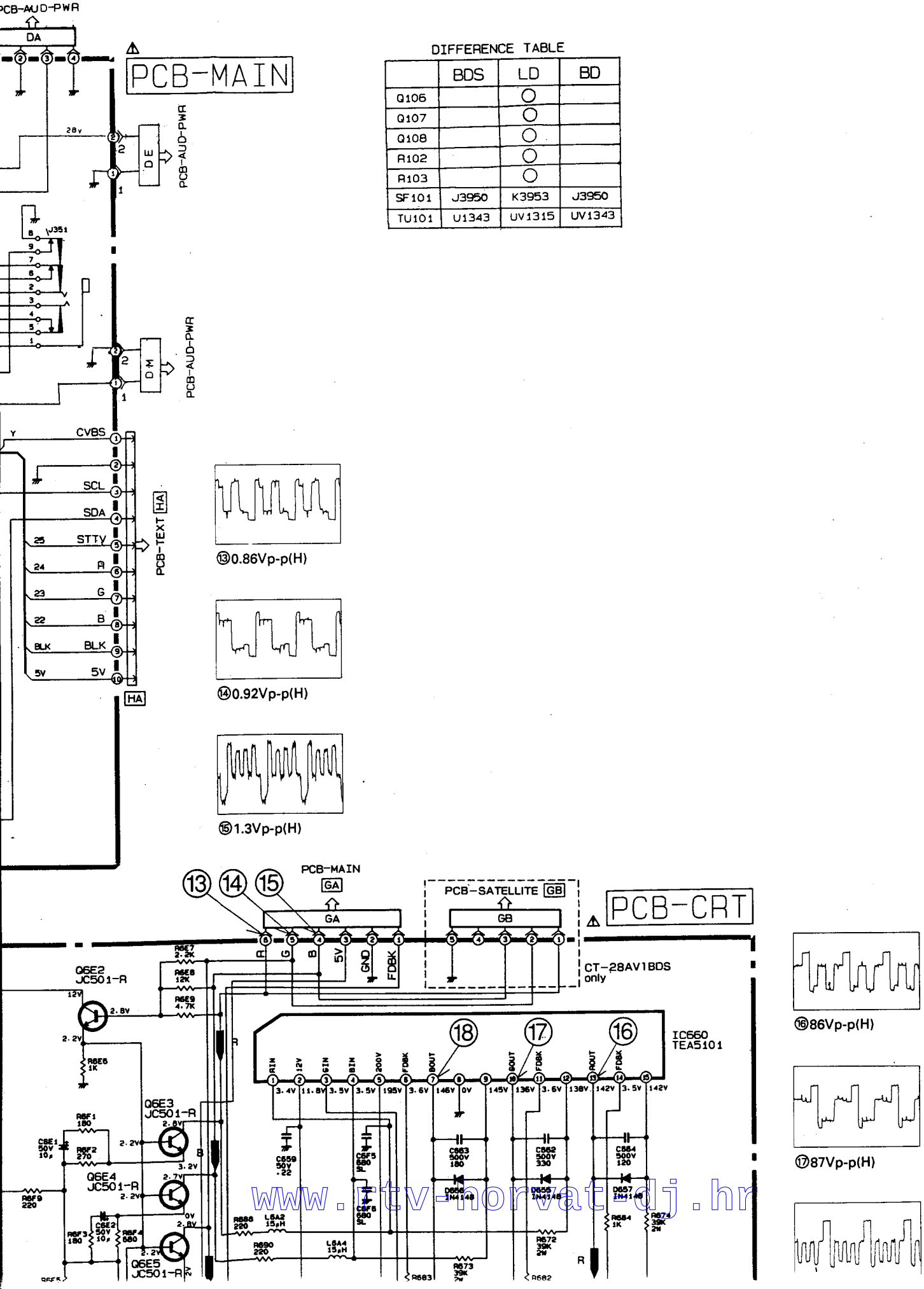
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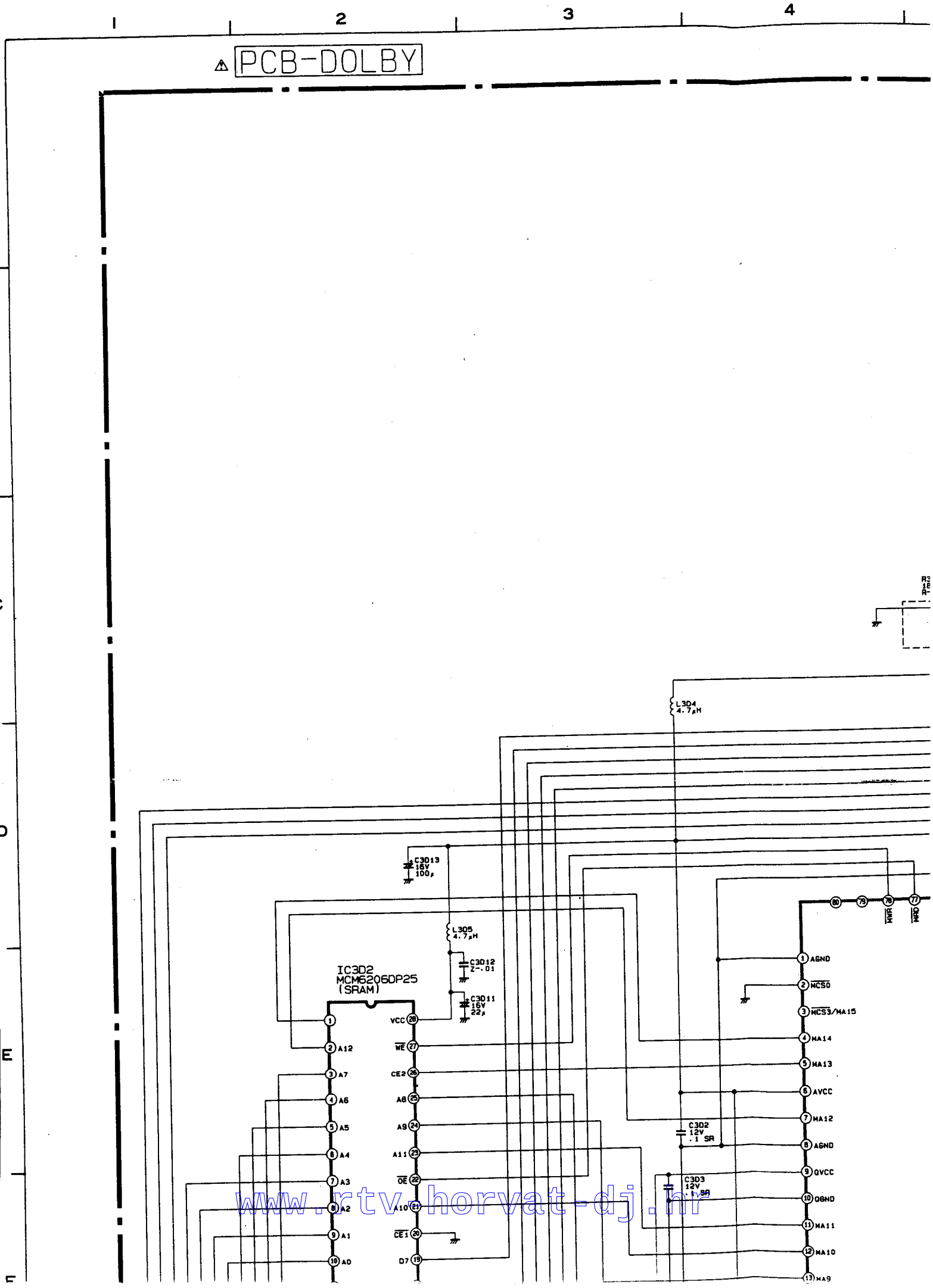
28AV1BD/LD/BDS

DIFFERENCE TABLE

	BDS	LD	BD
Q106		○	
Q107		○	
Q108		○	
R102		○	
R103		○	
SF101	J3950	K3953	J3950
TU101	U1343	UV1315	UV1343

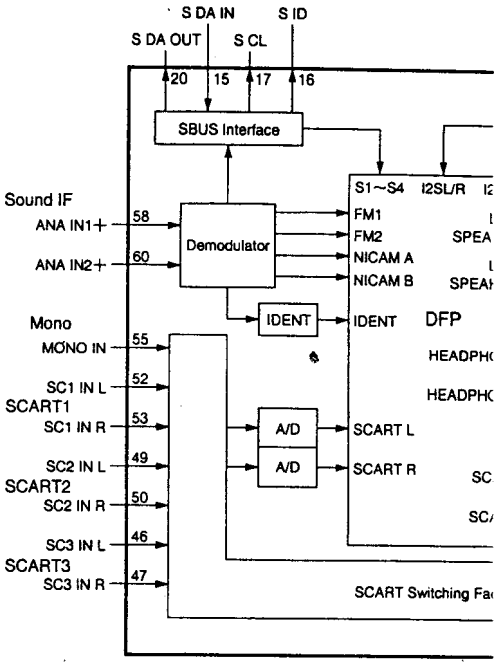


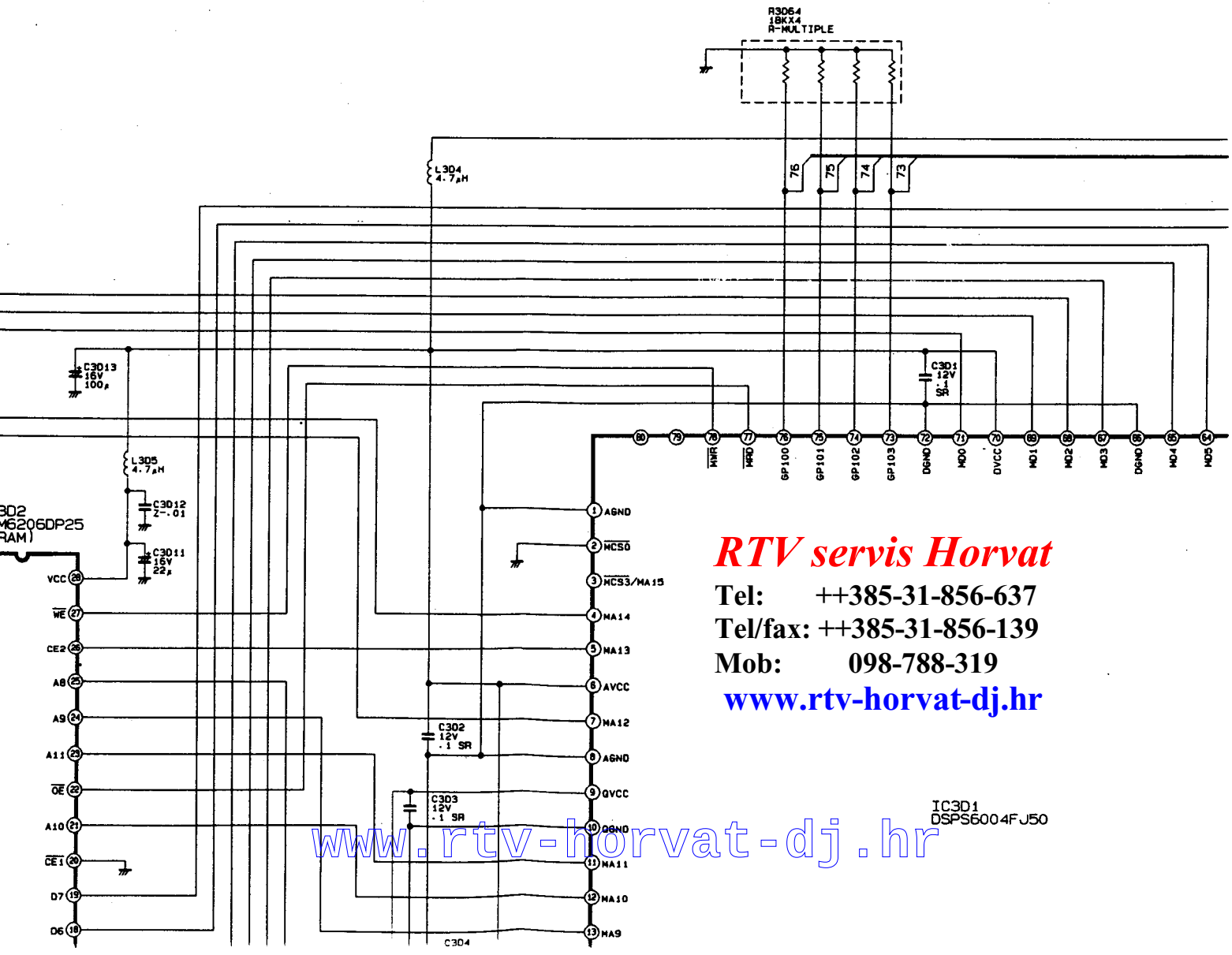
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1
2
3
4
⚠ PCB-DOLBY
L3D4
4.7μH
C3D13
16V
100μ
L3D5
4.7μH
C3D12
Z-.01
C3D11
16V
22μ
IC3D2
MCM6206DP25
(SRAM)
VCC
A12
A7
A6
A5
A4
A3
A2
A1
A0
WE
CE2
A8
A9
A11
OE
A10
CE1
D7
C3D2
12V
.1 SR
C3D3
12V
.1 SR
AGND
MCS0
MCS3/MA15
MA14
MA13
AVCC
MA12
AGND
QVCC
QGND
MA11
MA10
MA9
MWR
MRD
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DOLBY

IC301 MSP3410





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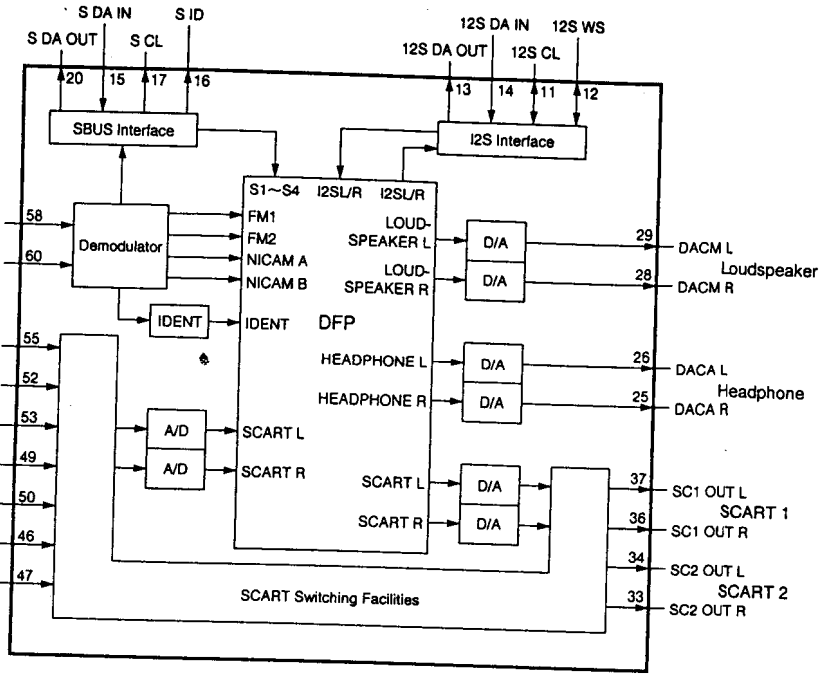
PCB-MAIN DB

DB

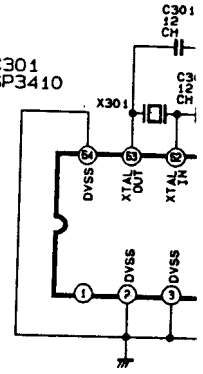
MUTE DOLBY-REQ ILO IRO STDBY +5V SCL SDA SC3LIN SC3RIN +8V

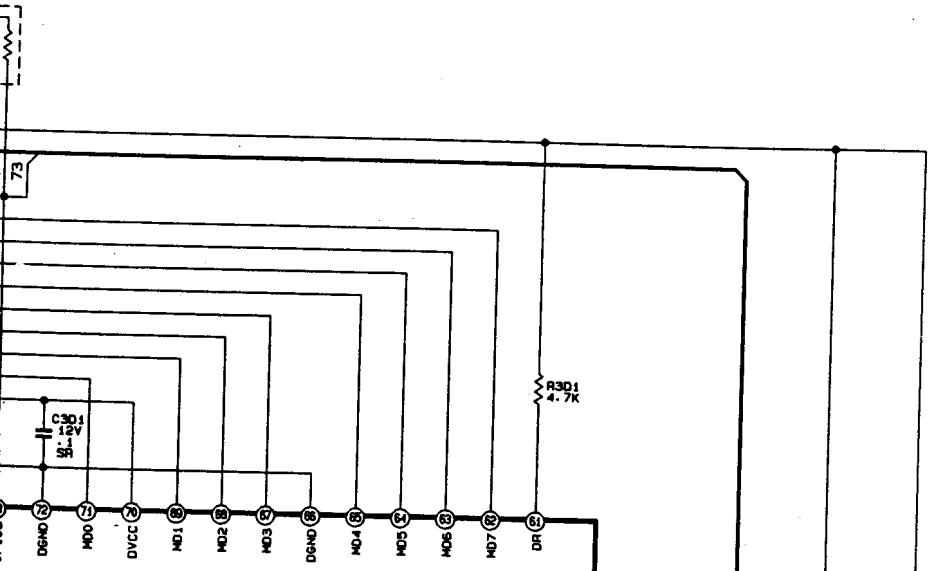
5V

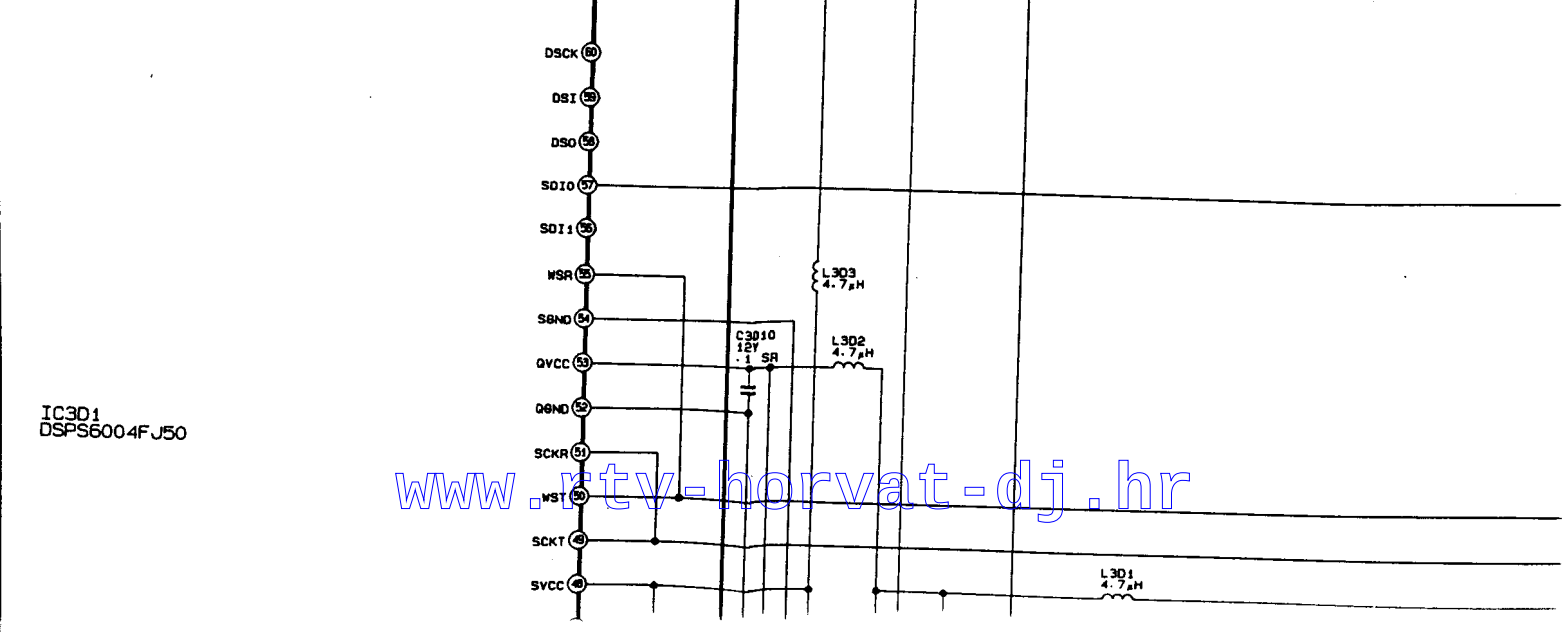
IC301 MSP3410



IC301
MSP3410

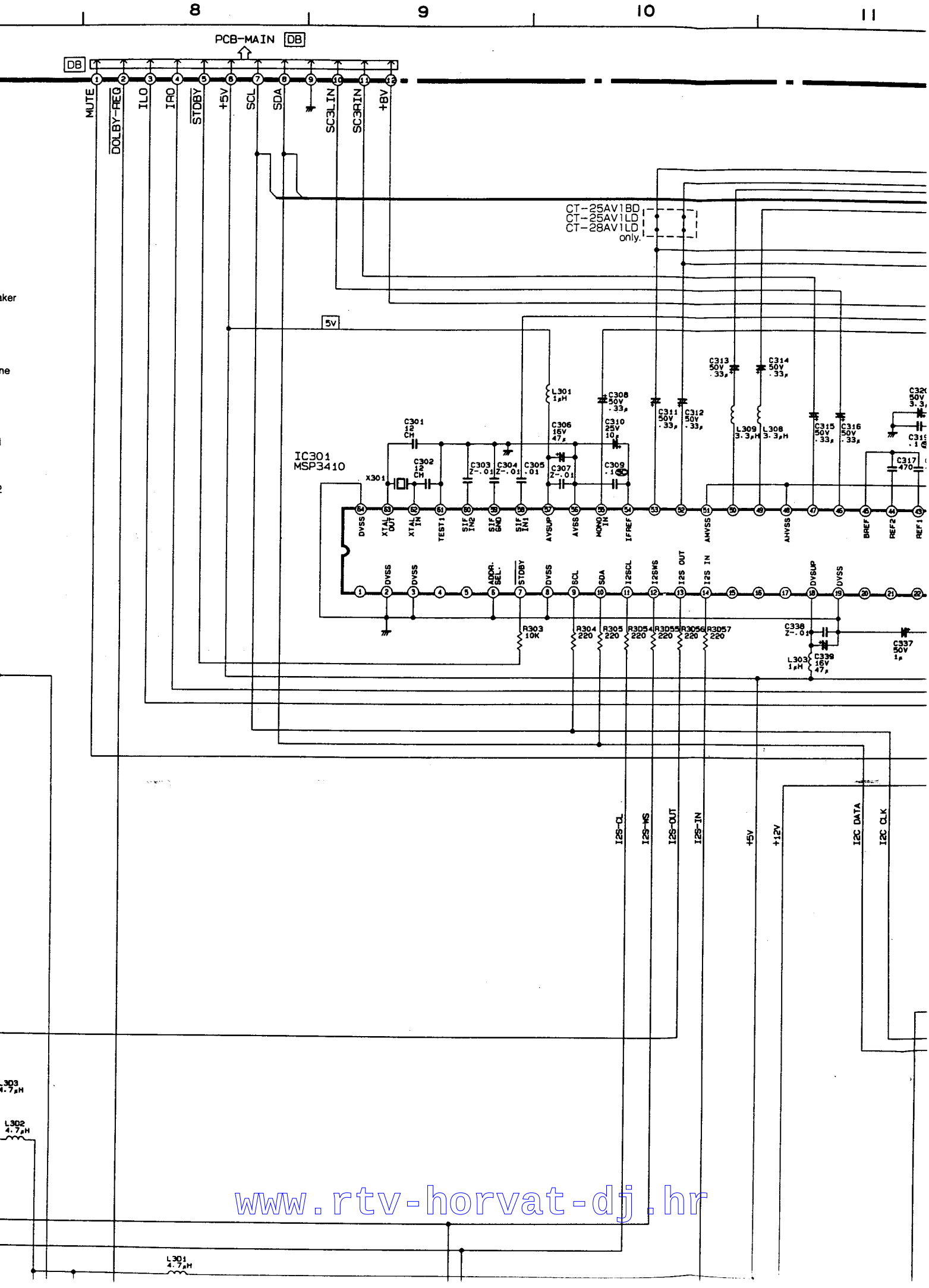




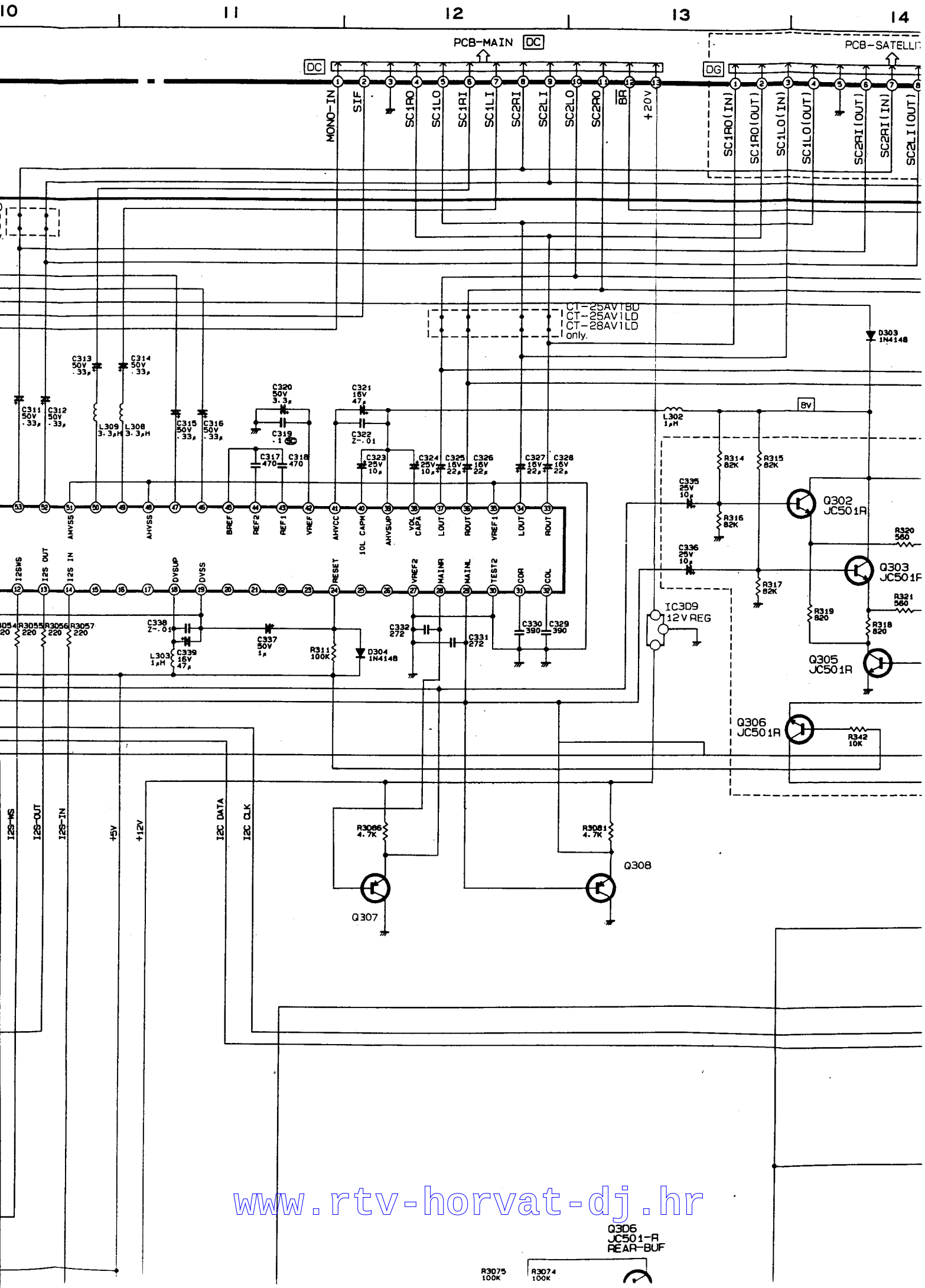


IC301
DSPS6004FJ50

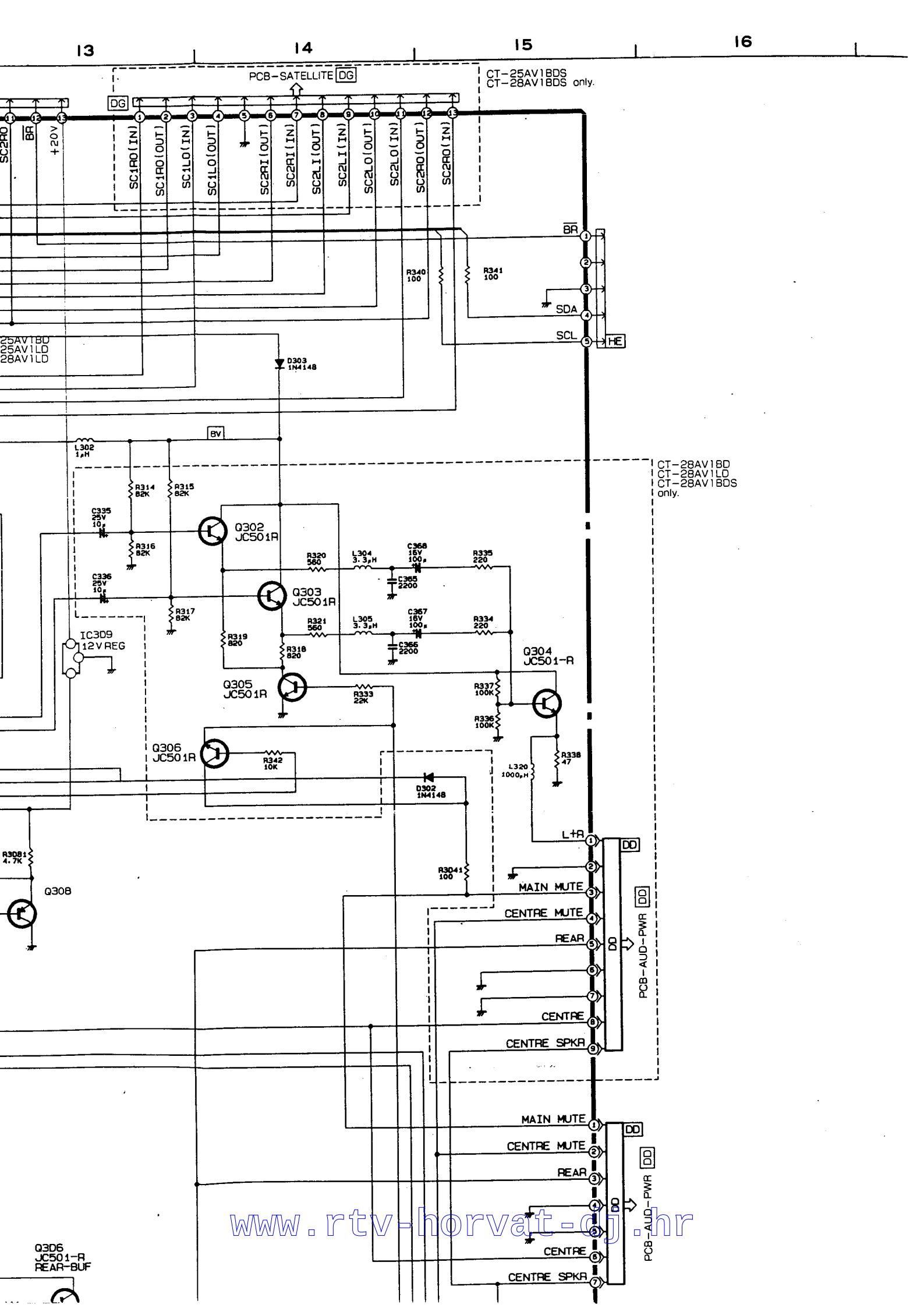
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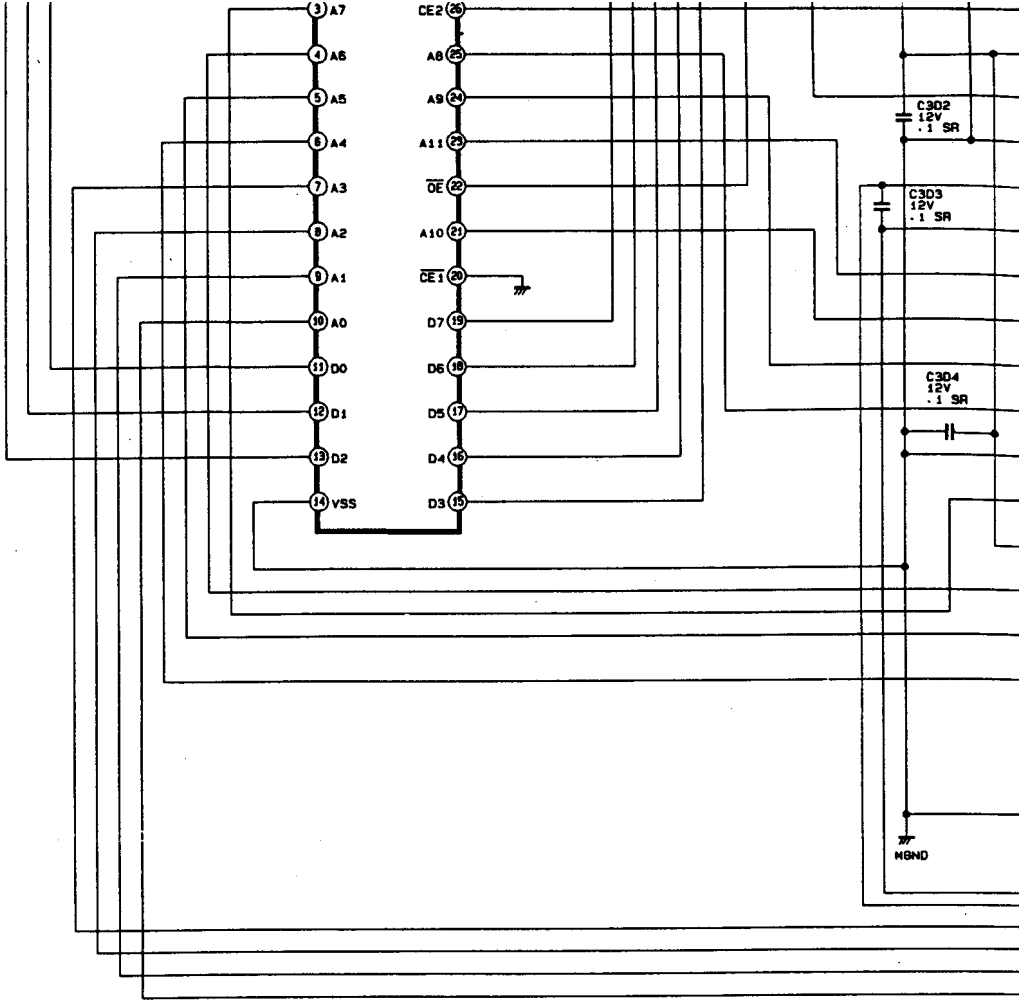
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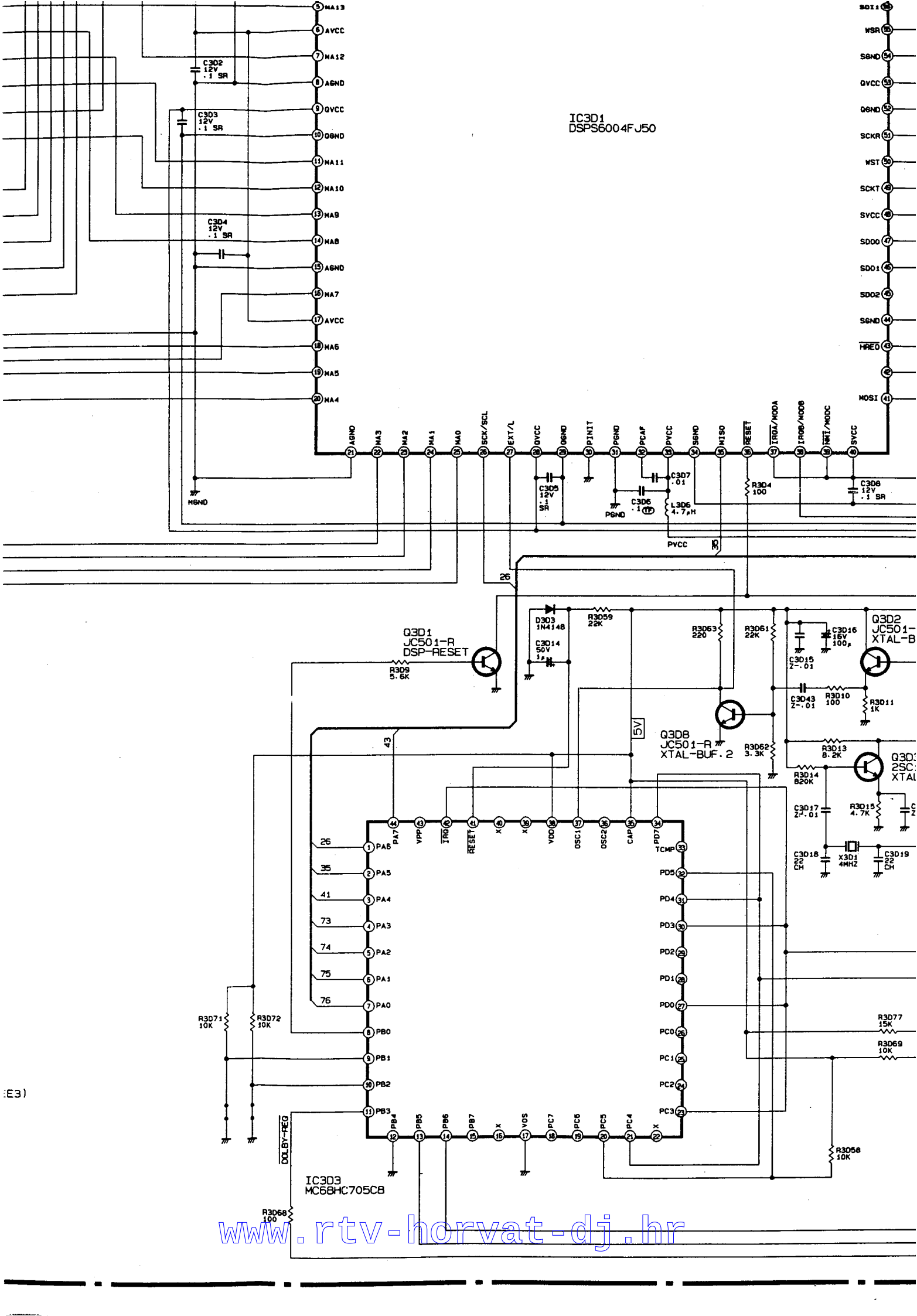
PB. 1 LOW = BASS LIFT DISABLED
HIGH = BASS LIFT GNABLED

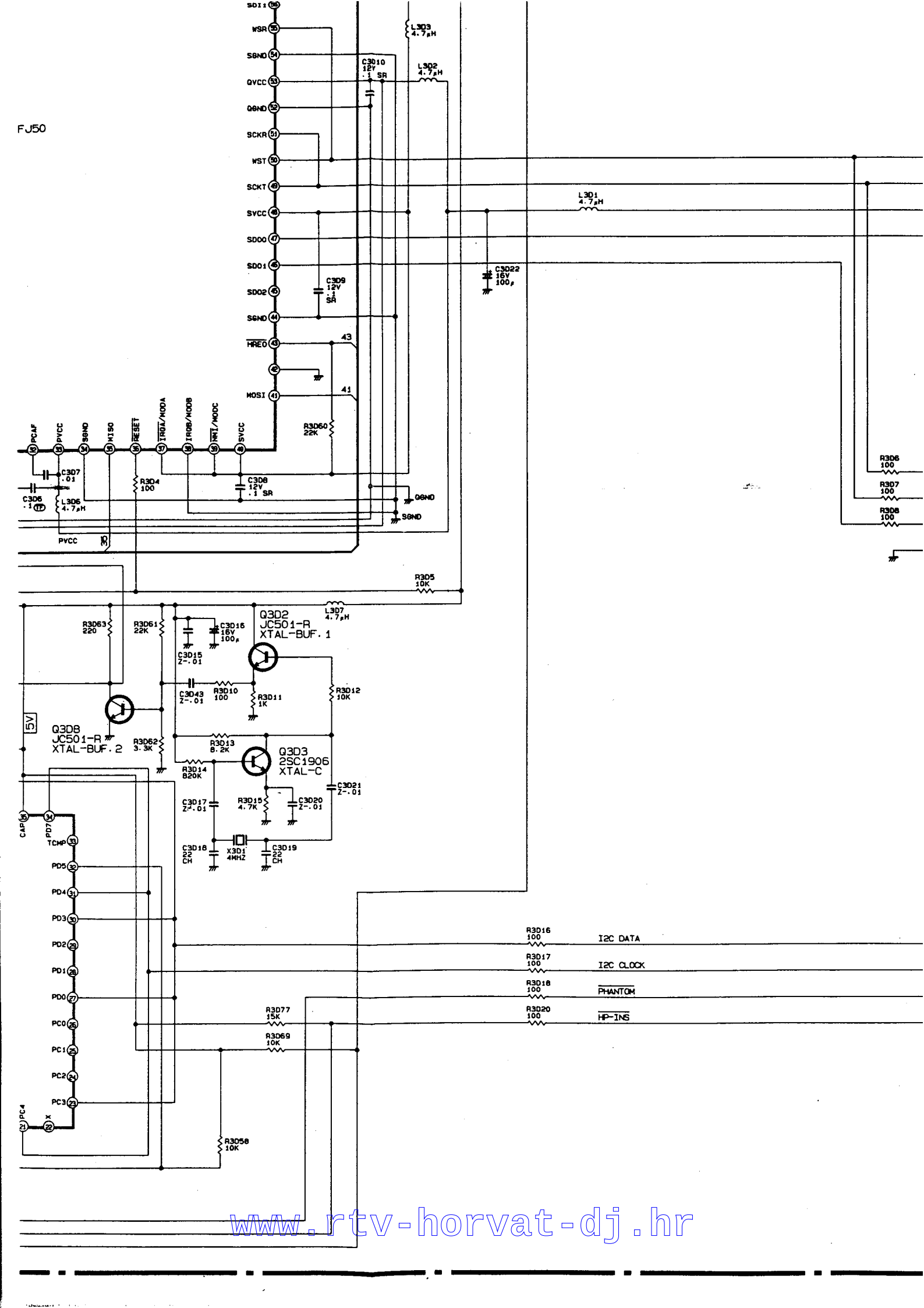
PB. 2 LOW = CO. EFF. 1 USED
HIGH = CO. EFF. 2 USED

PB. 7 = $\overline{\text{DOLBY. 3}}$ (NOT USED ON EE3)
PB. 6 = $\overline{\text{PHANTOM}}$ -OUTPUT
PB. 5 = $\overline{\text{H. P INS}}$ -OUTPUT

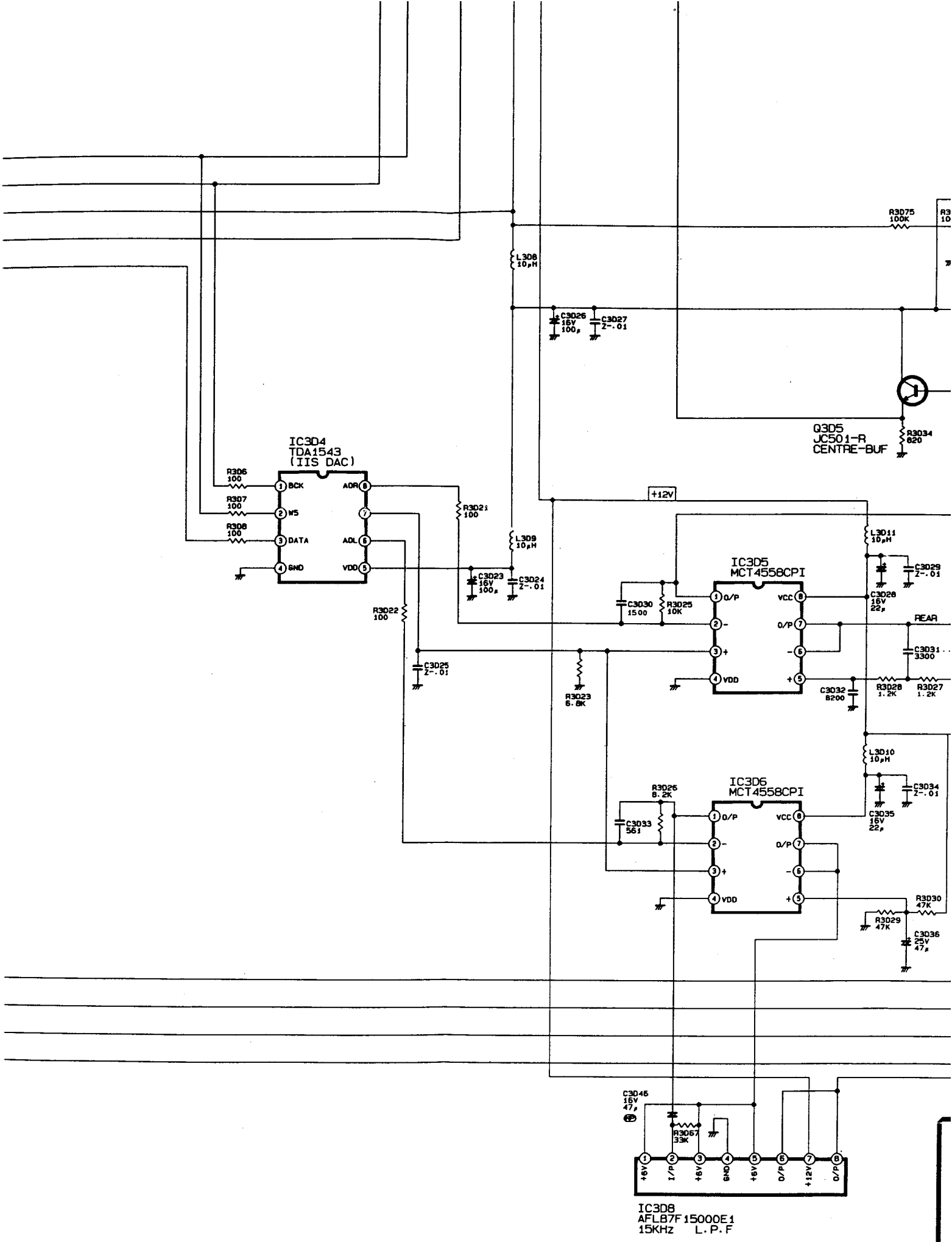


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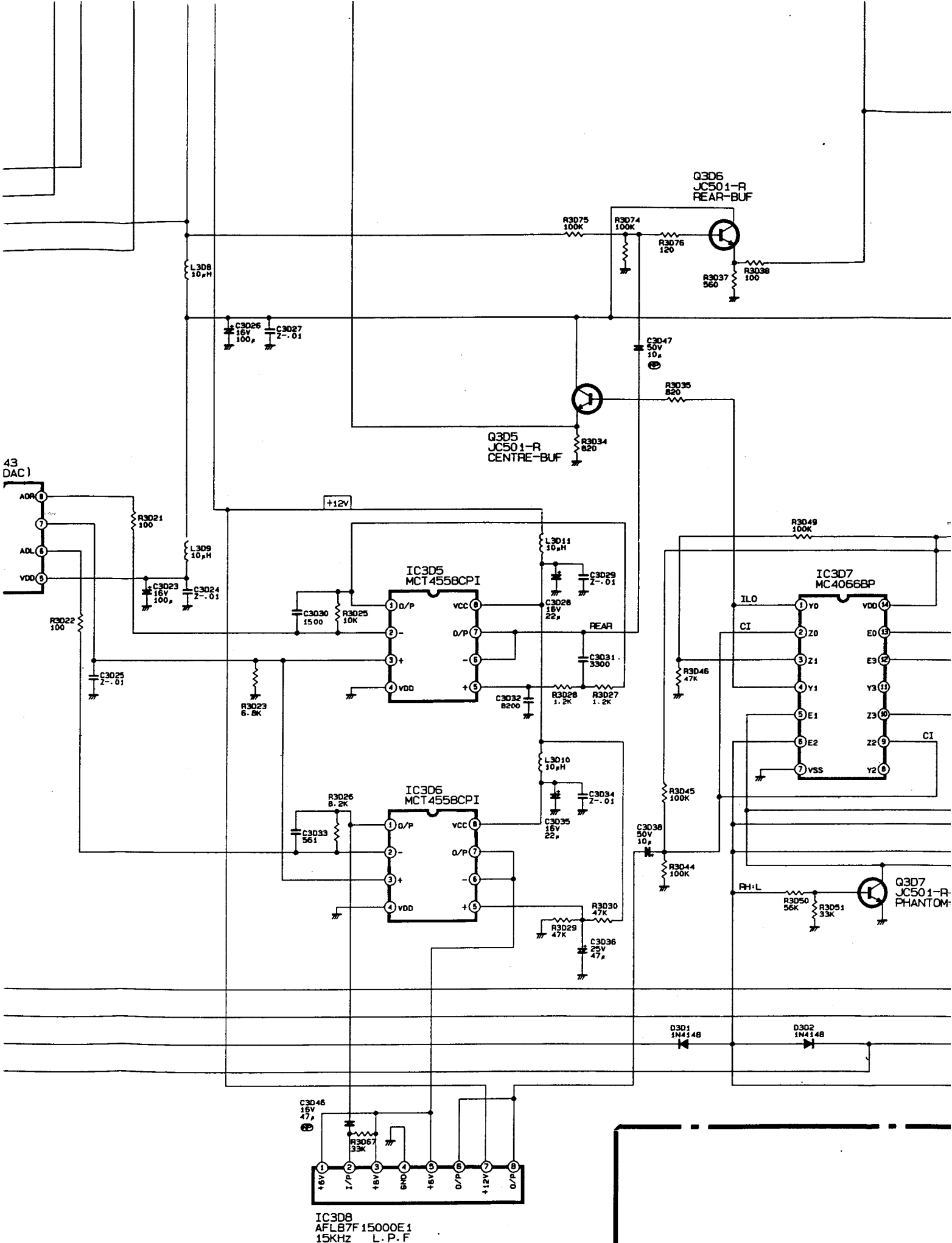

IC3D1
DSPS6004FJ50
C3D2 12V .1 SR
C3D3 12V .1 SR
C3D4 12V .1 SR
MGND
C3D5 12V .1 SR
C3D6 .1
PGND
C3D7 .01
L3D6 4.7μH
PVCC
R3D4 100
C3D8 12V .1 SR
Q3D1 JC501-R DSP-RESET
R3D9 5.6K
D3D3 1N4148
C3D14 50V
R3D59 22K
Q3D8 JC501-R XTAL-BUF.2
R3D63 220
R3D61 22K
C3D16 16V 100μ
C3D15 .01
C3D43 .01
R3D10 100
R3D11 1K
Q3D2 JC501-R XTAL-B
R3D62 3.3K
R3D13 8.2K
R3D14 820K
C3D17 .01
R3D15 4.7K
X3D1 4MHZ
C3D18 22 PF
C3D19 22 PF
5V
IC3D3
MC68HC705C8
R3D71 10K
R3D72 10K
R3D77 15K
R3D69 10K
R3D58 10K
R3D68 100
DOLBY-REQ
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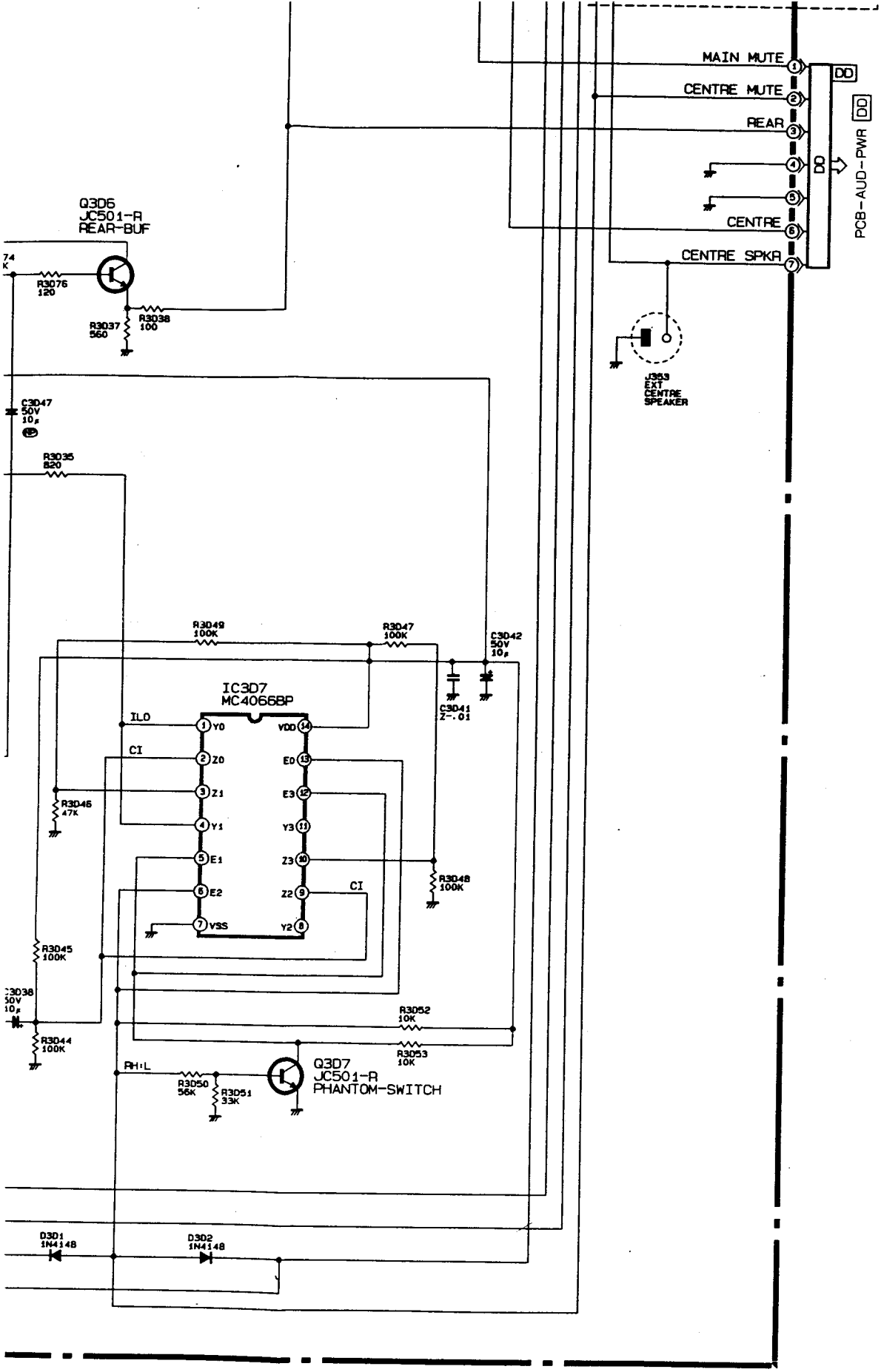
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