Factory Alignment Methods

1 Push composed keys --/--- → enter factory menu.

2 There are totally three pages of factory menu. Turn the page by pushing “MENU”, Move the items by CH+/CH- key, Adjust the value by VOL+/VOL-. After adjustment, push “OK” for save.

3 The method to quit factory menu: Under the item VCT in SERVICE XOCECO-50 Hz, push EXIT: OK

667-TAE35-29

xAA1

667-TAE35-05

X801

X203

N102

L102

N101

RP102

N201

667-TAE35-64

X604

TO ROTATE COIL

X605

X601

X602

TO VM COIL

X603

POWER LINE

X501

X502

TO DEG COIL

RP501

FUS01

L501

C514

M117

M118

M119

T503

NB02

X204

TUNER101

X201

X207

X202

X401

X403

X402

TO CRT GND

SCREEN

M01

X404

667-TAE35-02

FOCUS

X701

X702

TO SPEAKER

TO SPEAKER

N202

V301

V302

TO DET COIL

X301

N301

T302

SCREEN

X302

XA03

N601

XA02

C336

FOCUS

667-TAE35-01

MAIN BOARD

X206

X205

XA03

XA04

667-TA2935-29

M142

M143

1.2. Chip Architecture

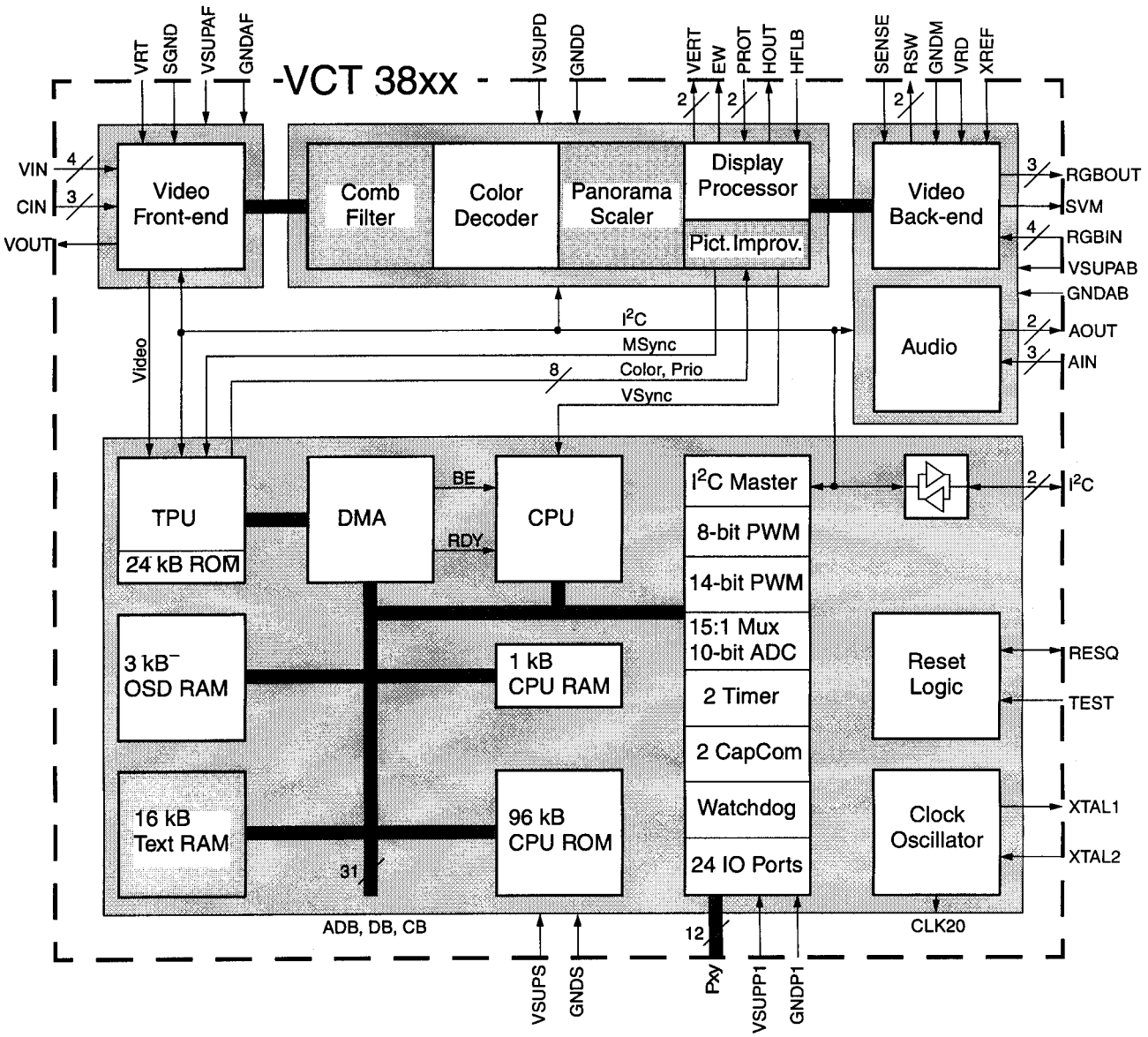


Fig. 1–2: Block diagram of the VCT 38xxA (shaded blocks are optional)

2. Functional Description

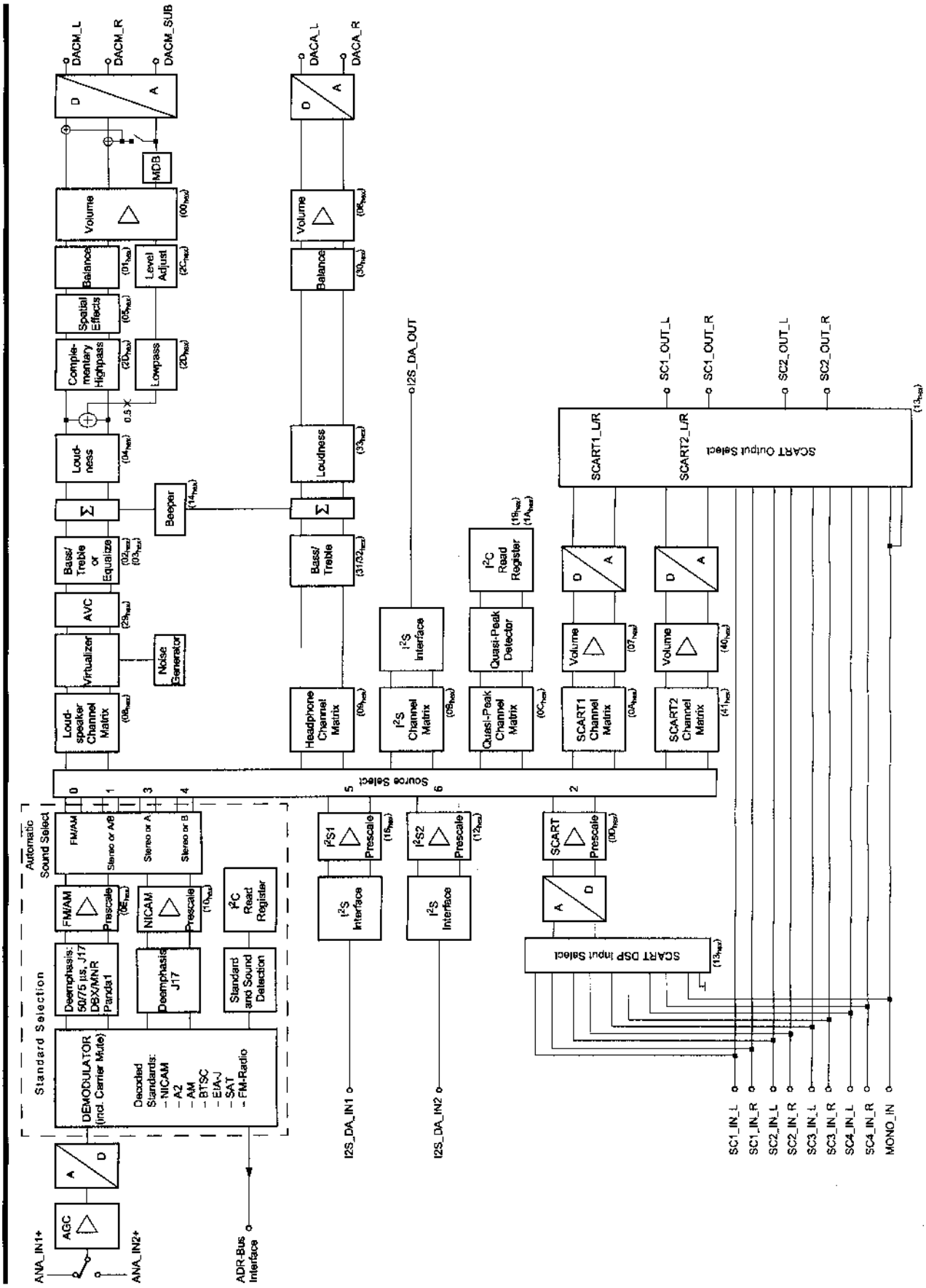
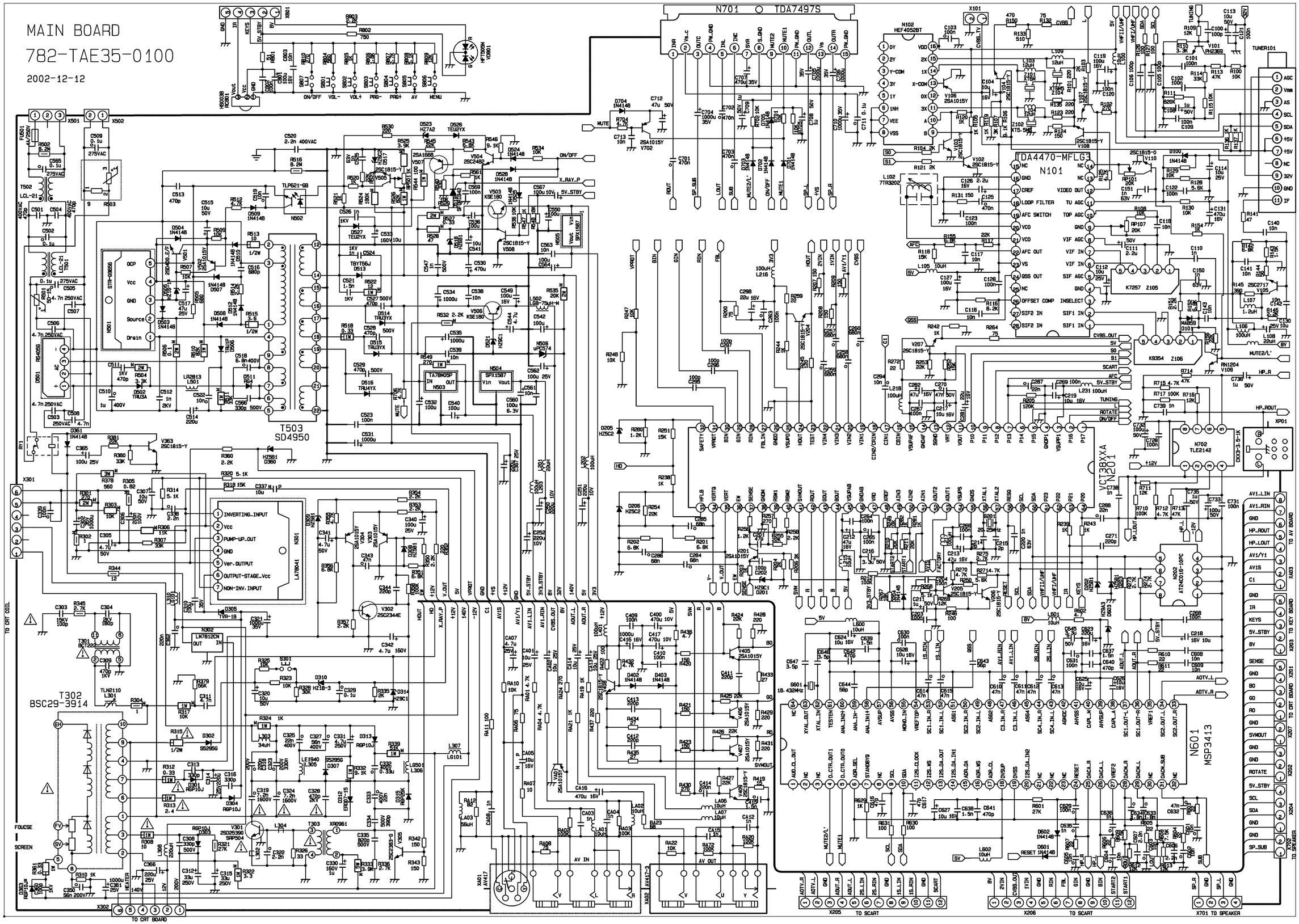


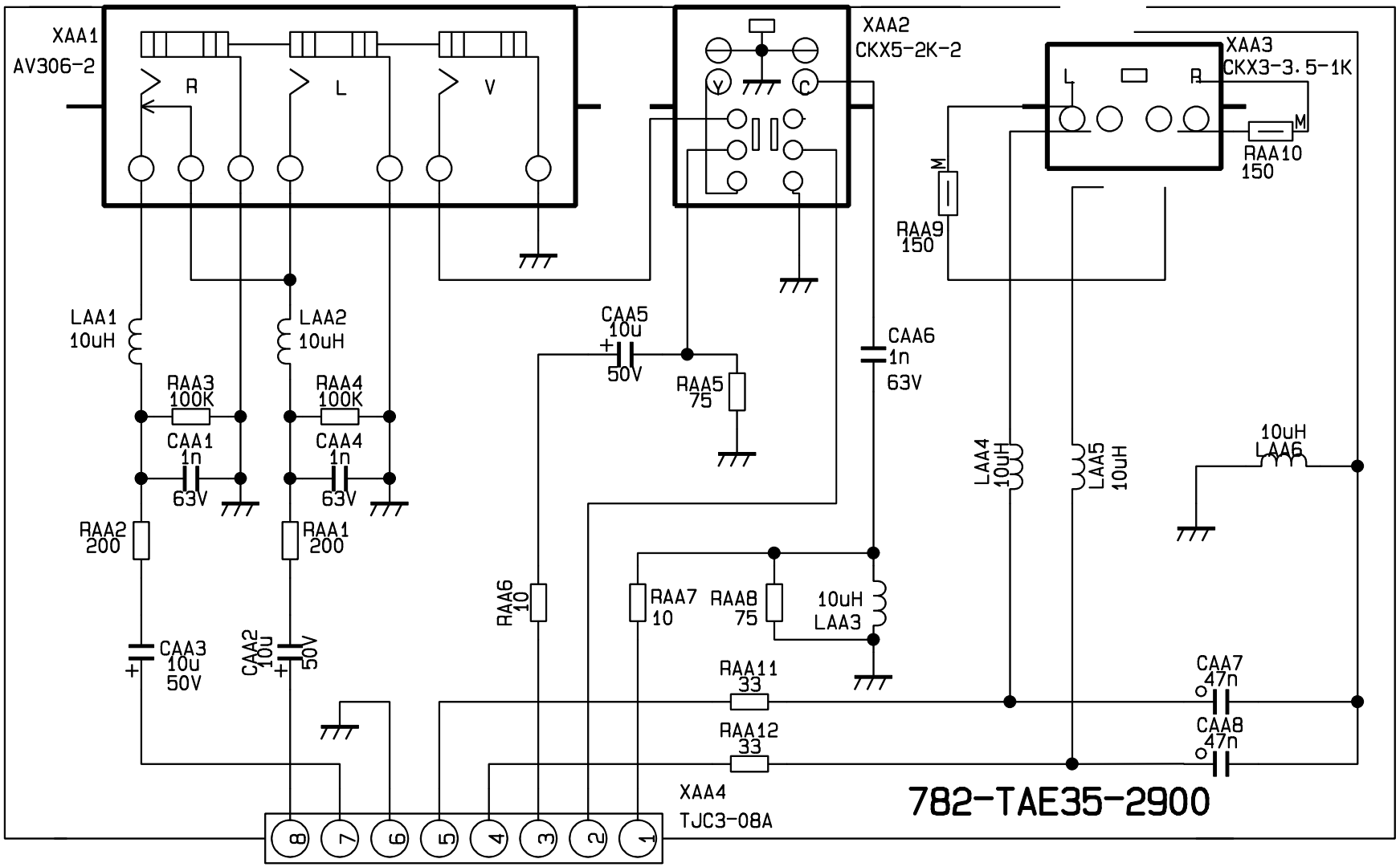
Fig. 2–1: Signal flow block diagram of the MSP 34x1G (input and output names correspond to pin names)

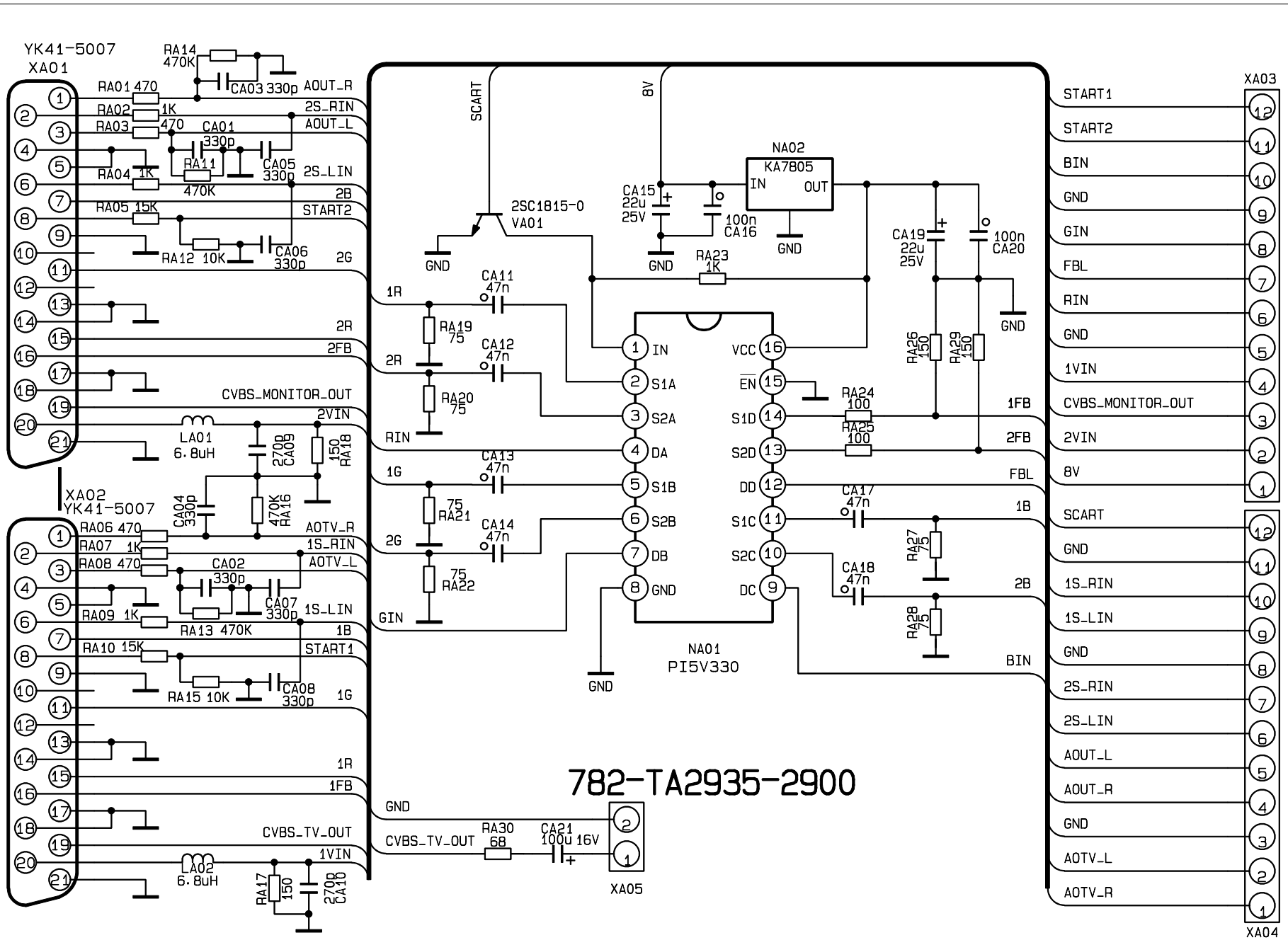
MAIN BOARD

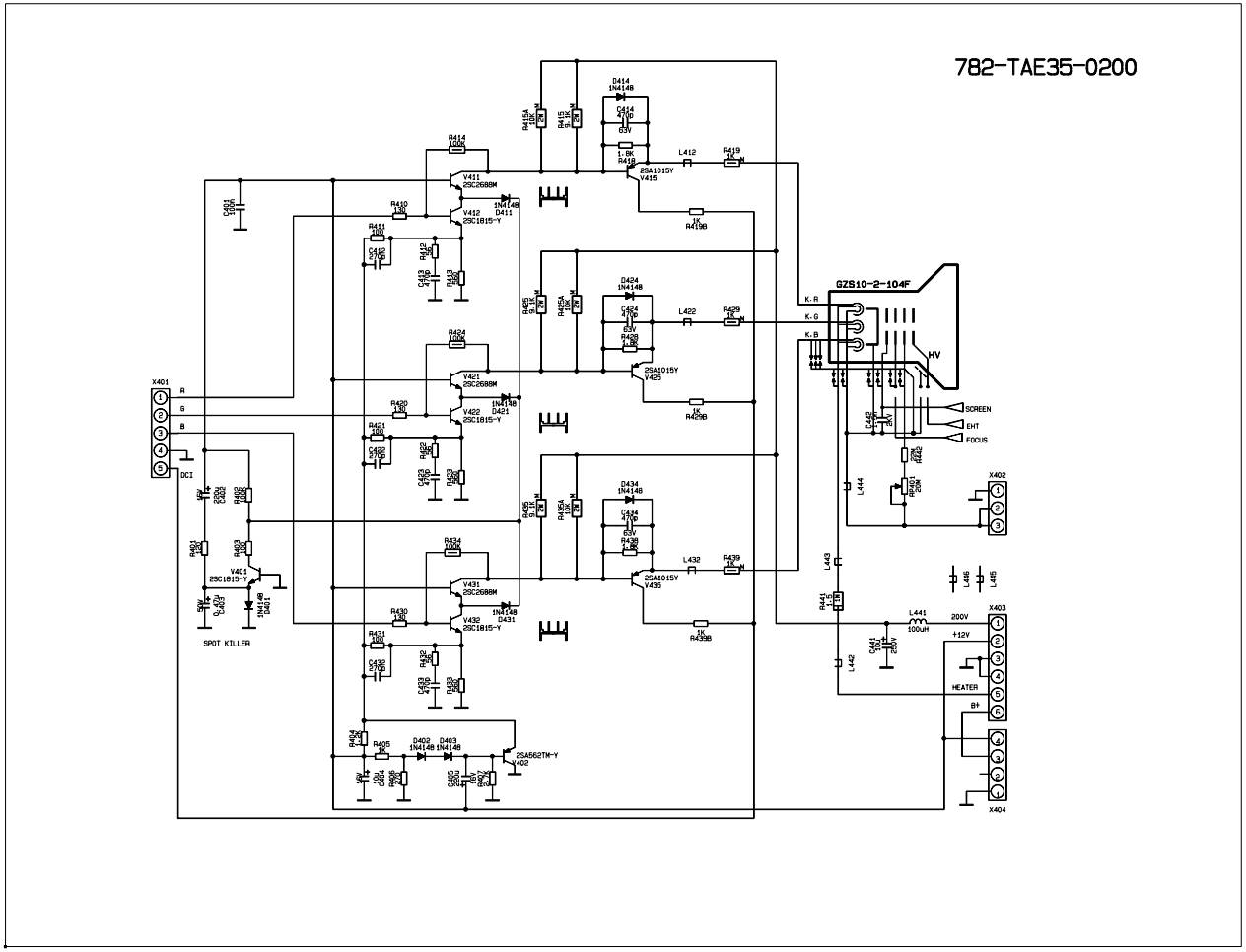
782-TAE35-0100

2002-12-12




XAA1
AV306-2
R
L
V
XAA2
CKX5-2K-2
XAA3
CKX3-3.5-1K
L
R
M
RAA10
150
RAA9
150
LAA1
10uH
LAA2
10uH
CAA5
10u
50V
RAA5
75
CAA6
1n
63V
RAA3
100K
RAA4
100K
CAA1
1n
63V
CAA4
1n
63V
LAA4
10uH
LAA5
10uH
10uH
LAA6
RAA2
200
RAA1
200
RAA6
10
RAA7
10
RAA8
75
10uH
LAA3
CAA3
10u
50V
CAA2
10u
50V
RAA11
33
CAA7
47n
RAA12
33
CAA8
47n
XAA4
TJC3-08A
8
7
6
5
4
3
2
1
782-TAE35-2900


YK41-5007
XA01
RA14 470K
CA03 330p
AOUT_R
RA01 470
RA02 1K
2S_RIN
RA03 470
CA01 330p
AOUT_L
RA11 470K
CA05 330p
RA04 1K
2S_LIN
2B
RA05 15K
START2
RA12 10K
CA06 330p
2G
2R
2FB
CVBS_MONITOR_OUT
2VIN
LA01 6.8uH
270p CA09
150 RA18
CA04 330p
470K RA16
XA02
YK41-5007
RA06 470
AOTV_R
RA07 1K
1S_RIN
RA08 470
CA02 330p
AOTV_L
CA07 330p
RA09 1K
1S_LIN
RA13 470K
1B
RA10 15K
START1
RA15 10K
CA08 330p
1G
1R
1FB
CVBS_TV_OUT
1VIN
LA02 6.8uH
RA17 150
270p CA10
SCART
8V
NA02
KA7805
IN
OUT
CA15 22u 25V
100n CA16
GND
2SC1815-O
VA01
RA23 1K
CA11 47n
RA19 75
CA12 47n
RA20 75
CA13 47n
75 RA21
CA14 47n
75 RA22
1R
2R
RIN
1G
2G
GIN
1 IN
2 S1A
3 S2A
4 DA
5 S1B
6 S2B
7 DB
8 GND
VCC 16
EN 15
S1D 14
S2D 13
DD 12
S1C 11
S2C 10
DC 9
NA01
PI5V330
CA19 22u 25V
100n CA20
RA26 150
RA29 150
RA24 100
RA25 100
1FB
2FB
FBL
CA17 47n
1B
RA27 75
CA18 47n
2B
RA28 75
BIN
782-TA2935-2900
RA30 68
CA21 100u 16V
XA05
XA03
START1
START2
BIN
GND
GIN
FBL
RIN
GND
1VIN
CVBS_MONITOR_OUT
2VIN
8V
XA04
SCART
GND
1S_RIN
1S_LIN
GND
2S_RIN
2S_LIN
AOUT_L
AOUT_R
GND
AOTV_L
AOTV_R


782-TAE35-0200
GZS10-2-104F
K-R
K-G
K-B
HV
SCREEN
EHT
FOCUS
X401
X402
X403
X404
DCI
SPOT KILLER
HEATER
B+
+12V
200V
V411 2SC2688M
V412 2SC1815-Y
V421 2SC2688M
V422 2SC1815-Y
V431 2SC2688M
V432 2SC1815-Y
V401 2SC1815-Y
V415 2SA1015Y
V425 2SA1015Y
V435 2SA1015Y
V402 2SA562TM-Y
D411 1N4148
D421 1N4148
D431 1N4148
D414 1N4148
D424 1N4148
D434 1N4148
D402 1N4148
D403 1N4148
R414 100K
R410 130
R411 100
R412 2K
R413 470
R415 10K
R424 100K
R420 130
R421 100
R422 2K
R423 470
R425 10K
R434 100K
R430 130
R431 100
R432 2K
R433 470
R435 10K
R454 100K
R455 100K
R456 100K
R436 10K
R437 10K
R438 1K
R439 1K
R4198 1K
R4298 1K
R4398 1K
R418 1K
R419 1K
R429 1K
R432 1K
R441 1.5
R442 22K
R443 22K
R401 20K
R402 2K
R403 2K
R404 1K
R405 1K
R406 10K
R407 10K
R408 470
C414 470P 63V
C424 470P 63V
C434 470P 63V
C412 220P
C413 470P
C422 220P
C423 470P
C432 220P
C433 470P
C401 100P
C402 0.01U
C403 0.01U
C404 100P
C405 220U 10V
C406 0.01U
C441 0.01U 250V
C442 0.01U 250V
C443 0.01U 250V
C444 0.01U 250V
C445 0.01U 250V
C446 0.01U 250V
L412
L422
L432
L441 100UH
L442
L443
L444
L445
L446
5W 0.47Ω
5W 10Ω