

Philips Consumer Electronics

Technical Service Data

Service and Quality
Service Publications Dept.
One Philips Drive
P.O. Box 14810
Knoxville, TN 37914

Manual 7603

Model no.: 29LL600121
First Publish: 5-10-2001
Rev. Date: 9-10-2001
Print Date: 11/21/2005

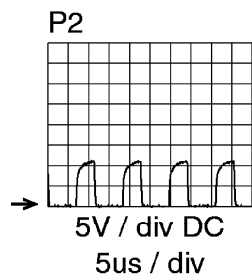
Scope Patterns

REFER TO SAFETY GUIDELINES

SAFETY NOTICE: ANY PERSON ATTEMPTING TO SERVICE THIS CHASSIS MUST FAMILIARIZE HIMSELF WITH THE CHASSIS AND BE AWARE OF THE NECESSARY SAFETY PRECAUTIONS TO BE USED WHEN SERVICING ELECTRONIC EQUIPMENT CONTAINING HIGH VOLTAGES.

CAUTION: USE A SEPARATE ISOLATION TRANSFORMER FOR THIS UNIT WHEN SERVICING

P1 = "\$"



P3 = 16V8 (13V8)

P4 = 3V3

P1

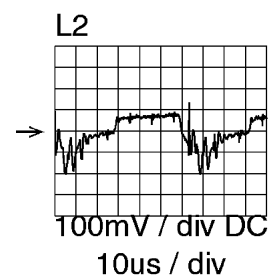
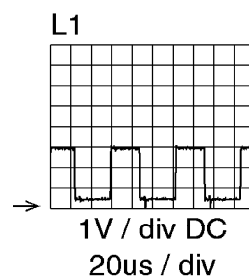
P2

P3

P4

P5 = 12V

P6 = 140V

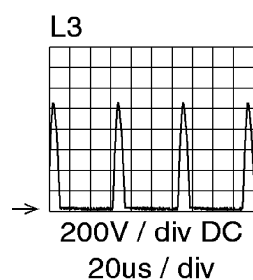


P5

P6

L 1

L 2



L5 = 200V

L6 = 50V

L7 = 50V

L 3

L 5

L 6

L 7

L8 = 13V

L9 = 5V

L10 = 8V

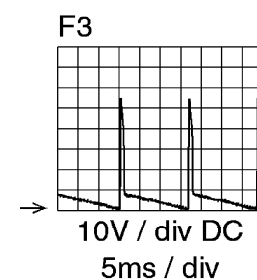
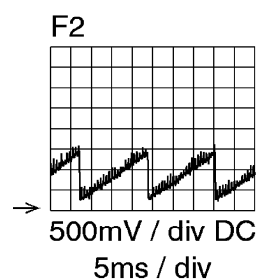
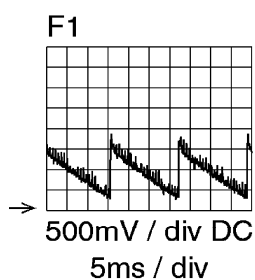
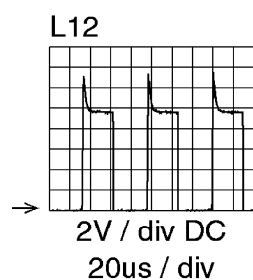
L11 = 13V

L 8

L 9

L10

L11

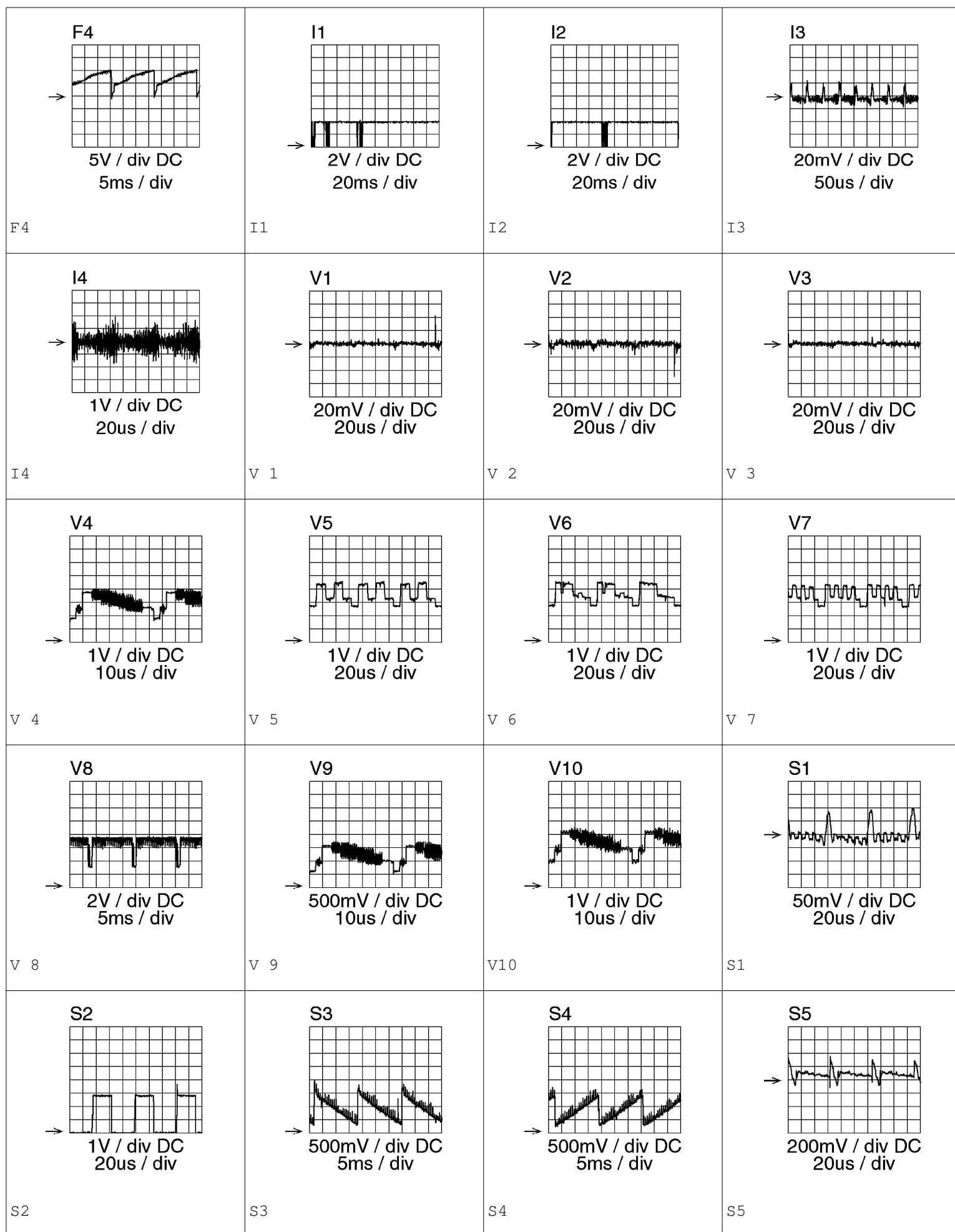


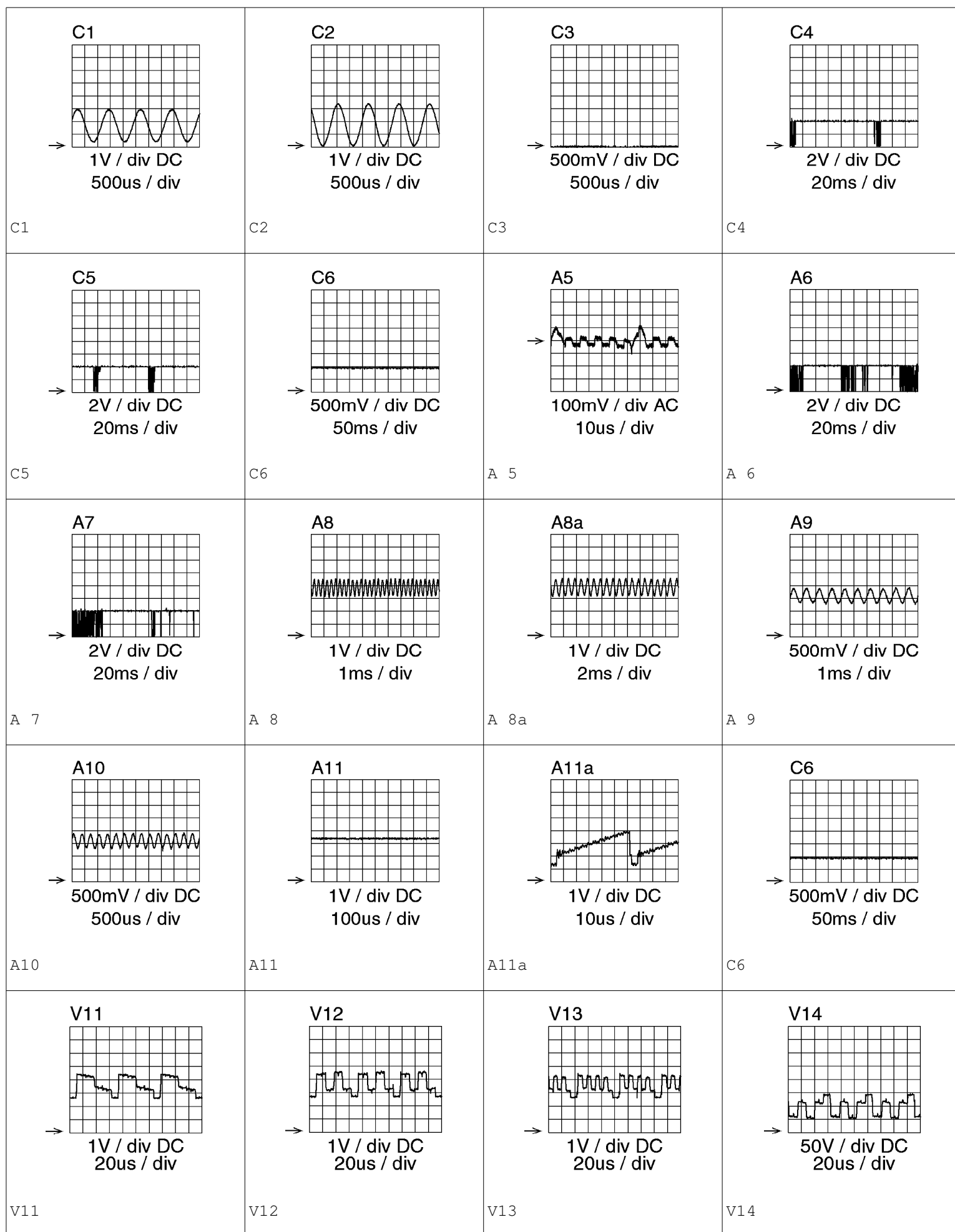
L12

F1

F2

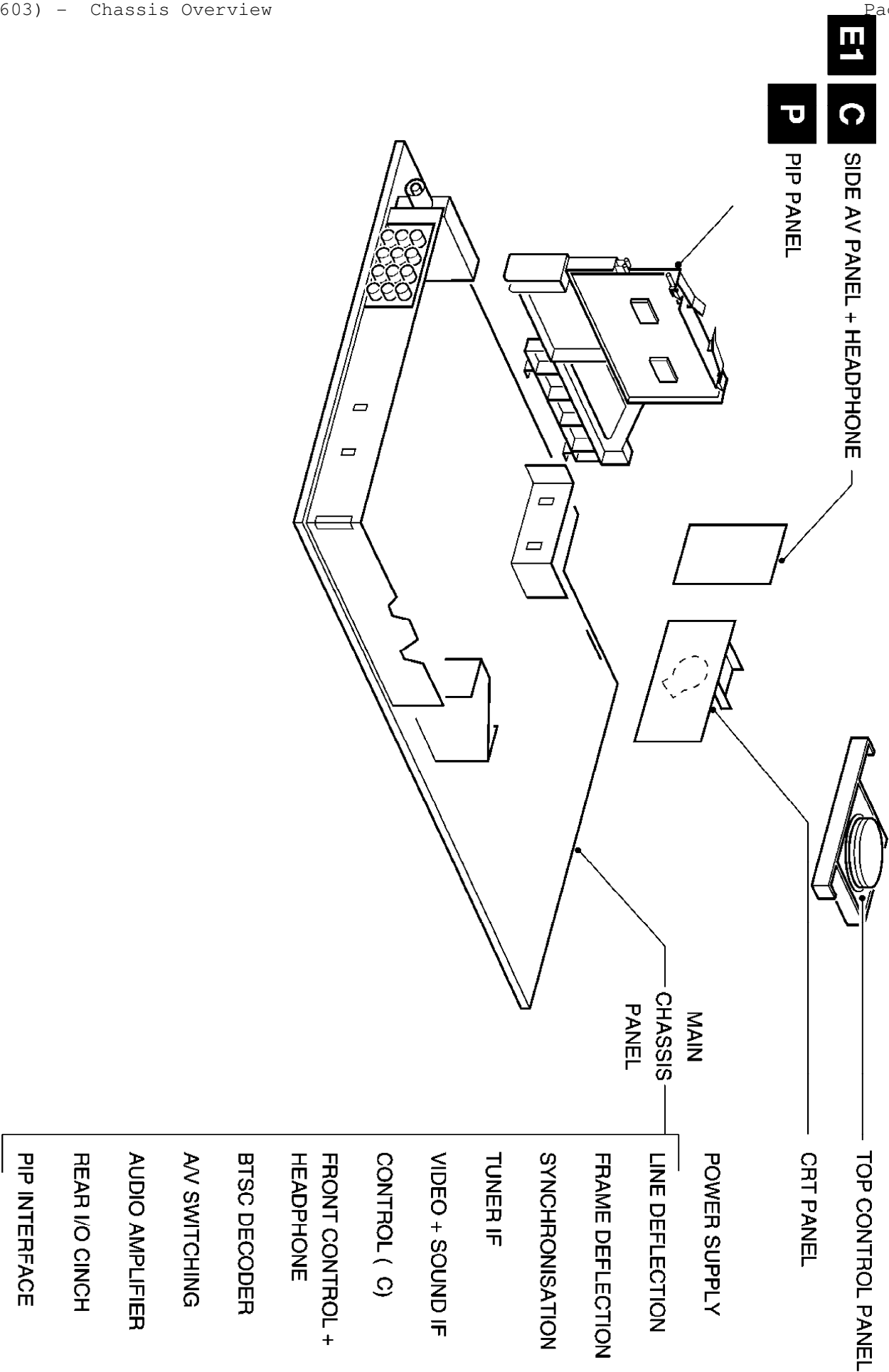
F3





V15

V16



E1

C

P

TOP CONTROL PANEL

CRT PANEL

POWER SUPPLY

LINE DEFLECTION

FRAME DEFLECTION

SYNCHRONISATION

TUNER IF

VIDEO + SOUND IF

CONTROL (C)

FRONT CONTROL + HEADPHONE

BTSC DECODER

AV SWITCHING

AUDIO AMPLIFIER

REAR I/O CINCH

PIP INTERFACE

A9

A1

A10

A8

A11

A10

T

B1

A1

A2

A3

A6

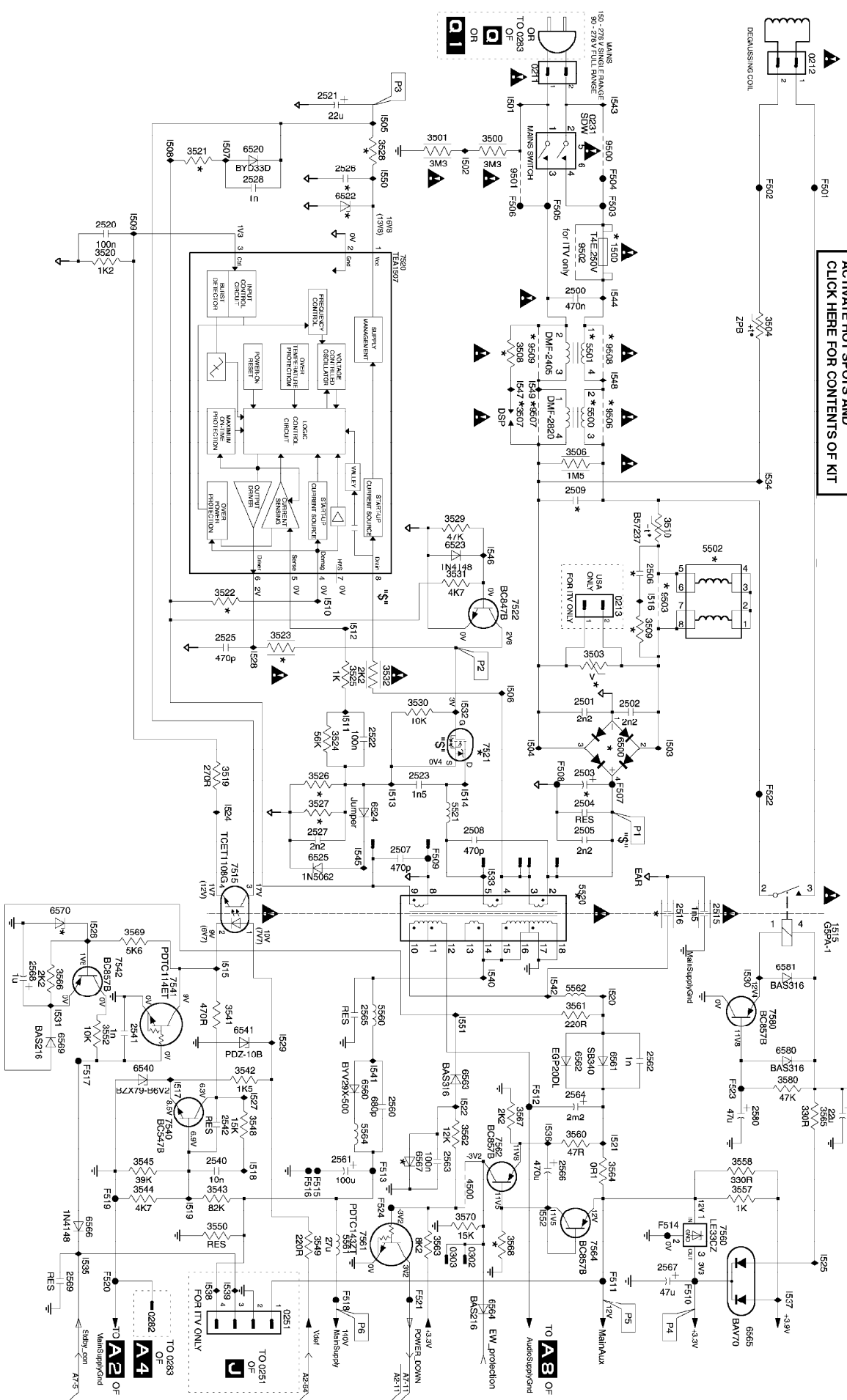
A4

A5

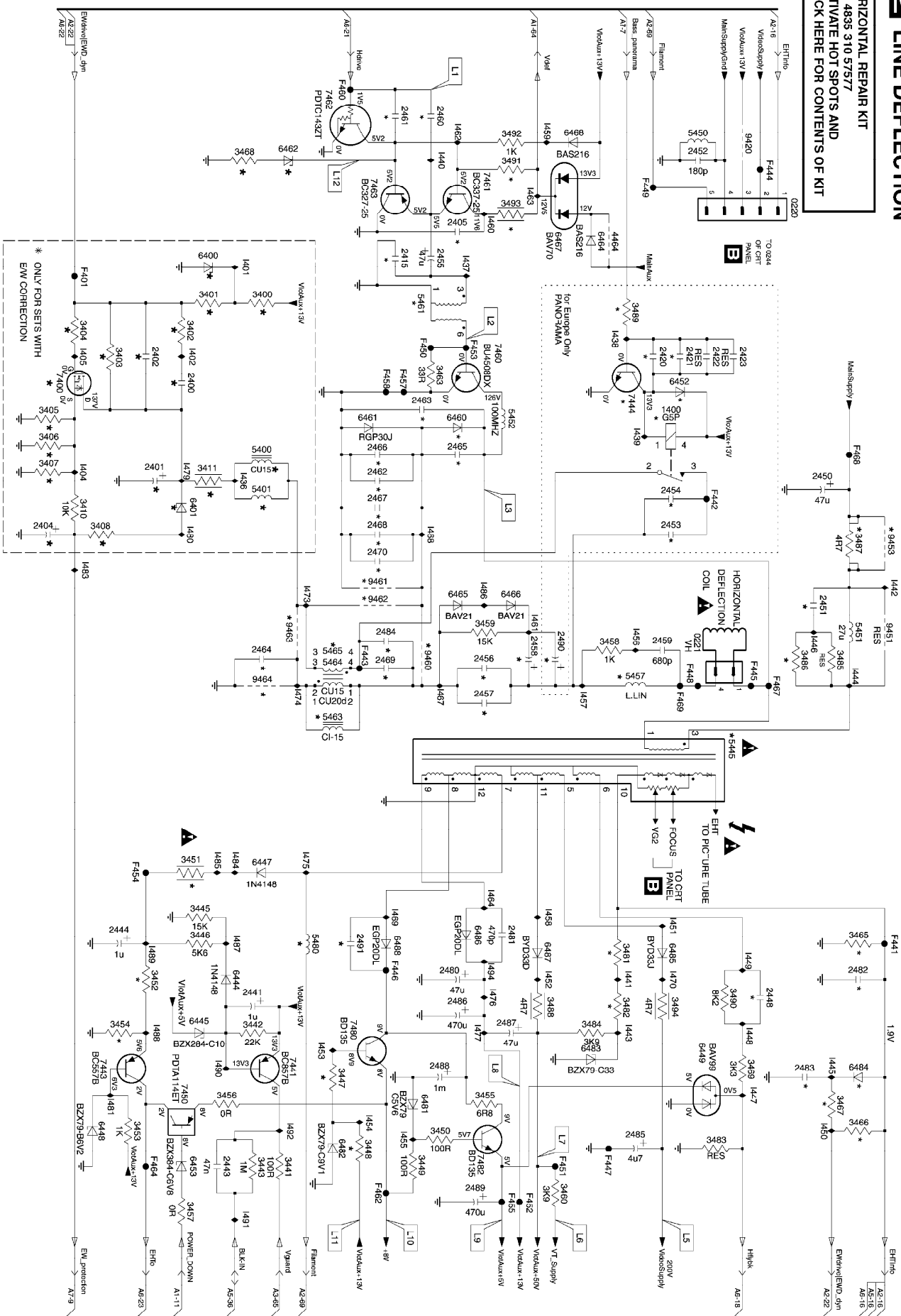
A7

A12

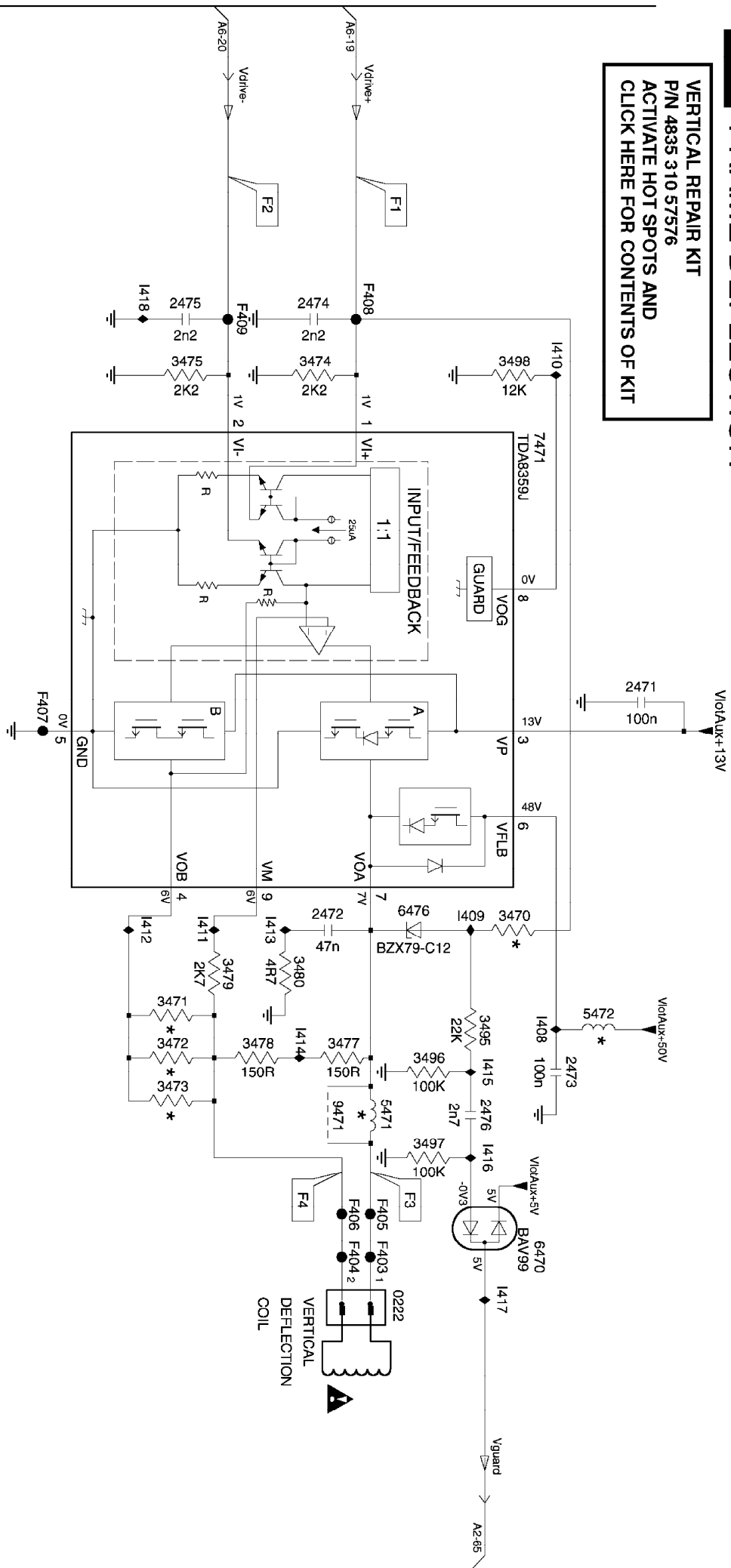
POWER SUPPLY REPAIR KIT
P/N 4835 310 57574
ACTIVATE HOT SPOTS AND
CLICK HERE FOR CONTENTS OF KIT

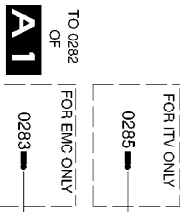


HORIZONTAL REPAIR KIT
P/N 4835 310 57577
ACTIVATE HOT SPOTS AND
CLICK HERE FOR CONTENTS OF KIT



VERTICAL REPAIR KIT
P/N 4835 310 57576
ACTIVATE HOT SPOTS AND
CLICK HERE FOR CONTENTS OF KIT





VIDEO RECEIVER

IC: TDA955XX

Internal Blocks:

- VIDEO IDENT
- H/V SYNC SEP
- H-OSC. + PLL
- H-DRIVE 2nd LOOP
- H-SHIFT
- V-DRIVE
- GEOMETRY
- TELETEXT/ODS DISPLAY
- EW GEOMETRY

External Components:

- Resistors: 3259, 470K, 3258, 100K, 3257, 10M, 3254, 1M, 3247, 100R, 5242, 10u, 3244, 820R, 2252, 3249, 1n, 3250, 100R, 2246, 3248, 33K, 220K, 3247, 220K, 3246, 10K, 2245, 220n, 3245, 39K, 2244, 100n, 2241, 1n5, 2242, 1u, 2243, 2n2, 2248, 22n, 2247, 1000u, 3256, 1K.
- Capacitors: 2250, 2u2, 2249, 22n, 2242, 1u, 2241, 1n5, 2244, 100n, 3245, 39K, 3246, 10K, 2245, 220n, 2243, 2n2, 2248, 22n, 2247, 1000u, 3256, 1K.
- Diodes: 1242, 1254, 1253, 1248, 1243, 1241, 1244, 1249, 1250, 1247, 1251.

Pin Connections:

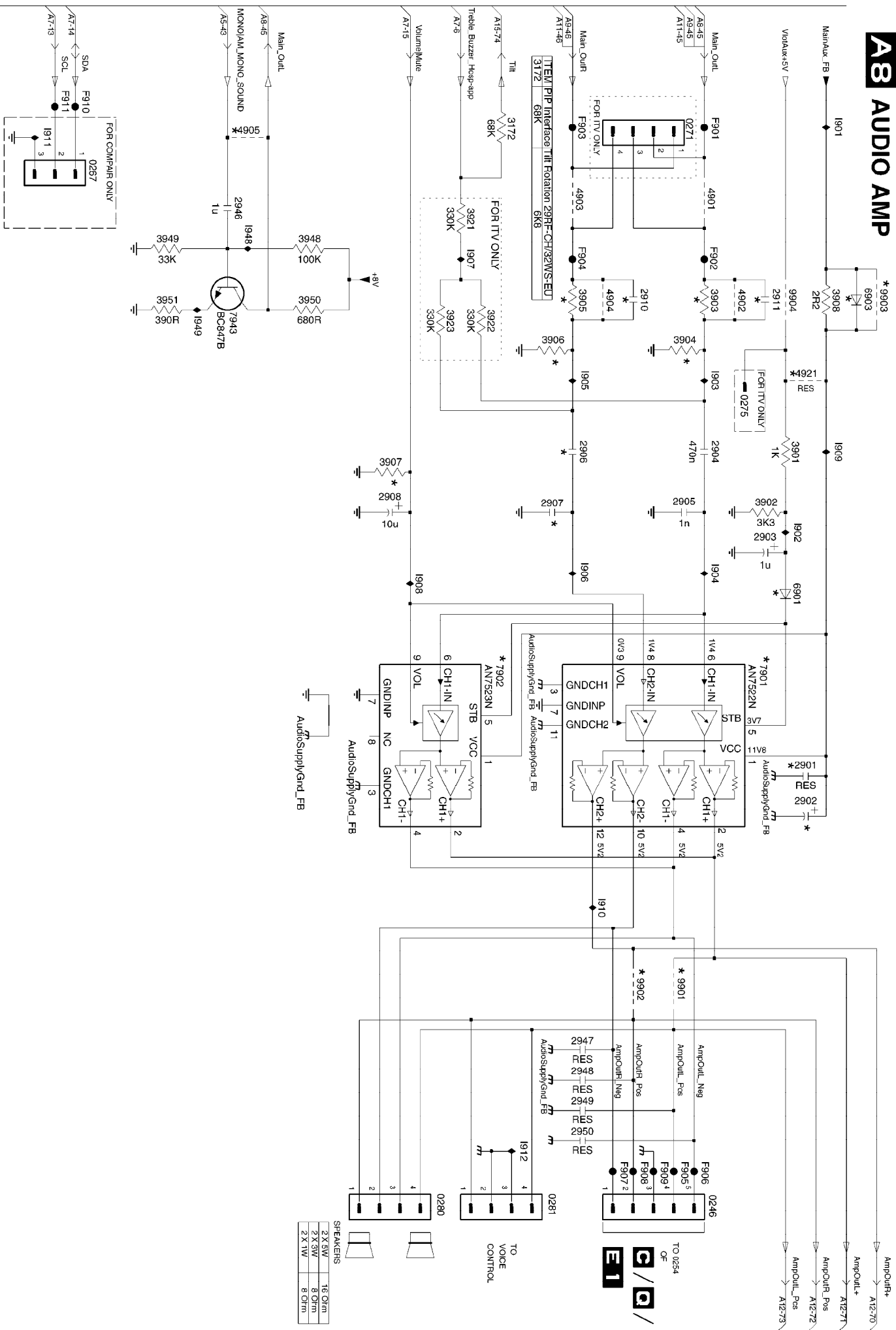
- Pin 1: 7V9
- Pin 2: 3V9
- Pin 3: 3V9
- Pin 4: 4V
- Pin 5: 0V9
- Pin 6: 2V9
- Pin 7: 1V2
- Pin 8: 1V3
- Pin 9: 1V2
- Pin 10: 1V2
- Pin 11: 1V2
- Pin 12: 1V2
- Pin 13: 0V
- Pin 14: 1V2
- Pin 15: 0V
- Pin 16: 1V2
- Pin 17: 1V3
- Pin 18: 1V2
- Pin 19: 1V2
- Pin 20: 1V2
- Pin 21: 3V9
- Pin 22: 3V9
- Pin 23: 2V1
- Pin 24: 1V2
- Pin 25: 1V2
- Pin 26: 1V2
- Pin 27: 1V2
- Pin 28: 1V2
- Pin 29: 1V2
- Pin 30: 1V2
- Pin 31: 1V2
- Pin 32: 1V2
- Pin 33: 1V2
- Pin 34: 1V2
- Pin 35: 1V2
- Pin 36: 1V2
- Pin 37: 1V2
- Pin 38: 1V2
- Pin 39: 1V2
- Pin 40: 1V2

Output Signals:

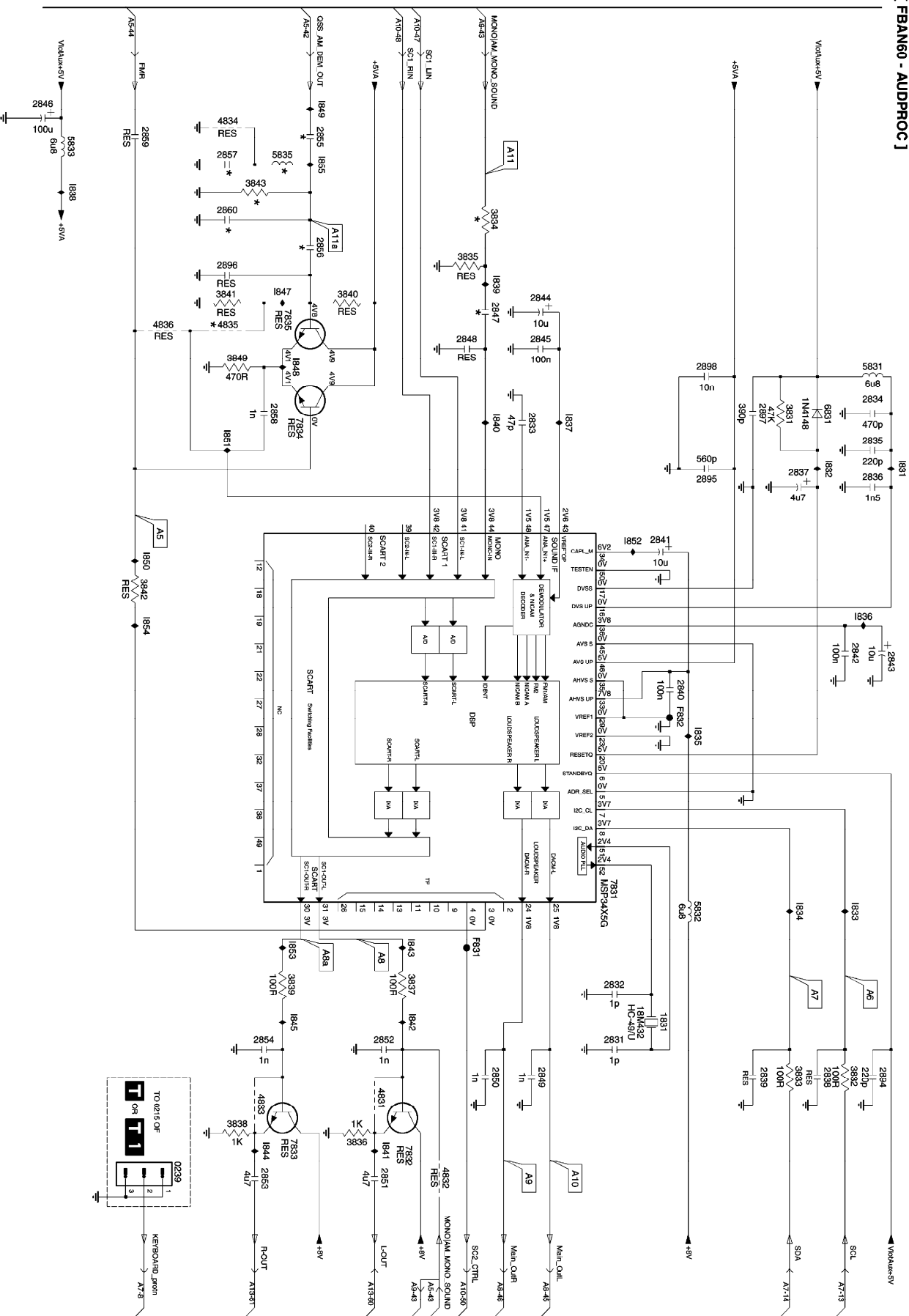
- Hdribe+
- Hdribe-
- EWdrive/EWD_dyn
- +8V
- +3.3V
- +8V

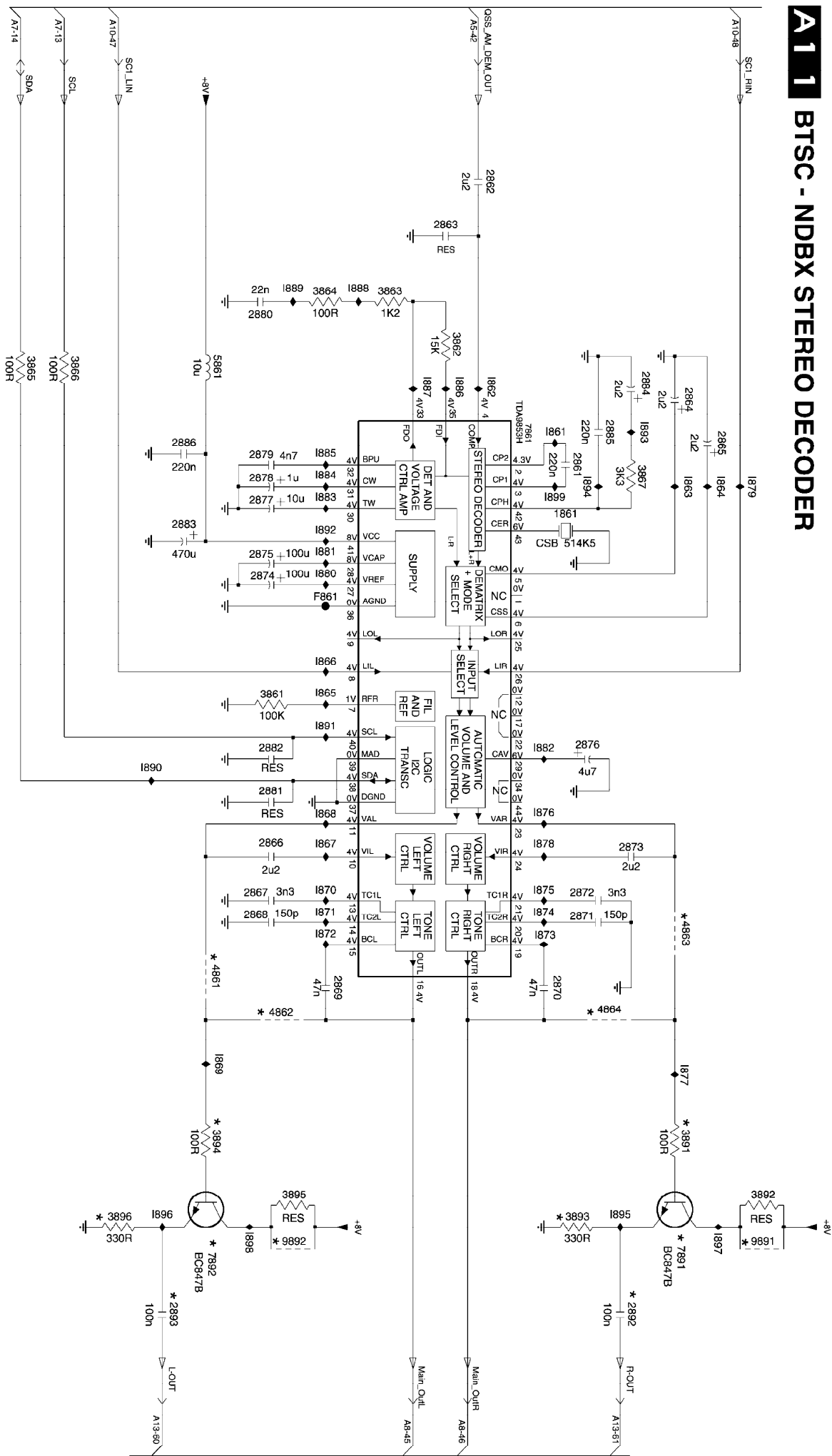
[illegible]

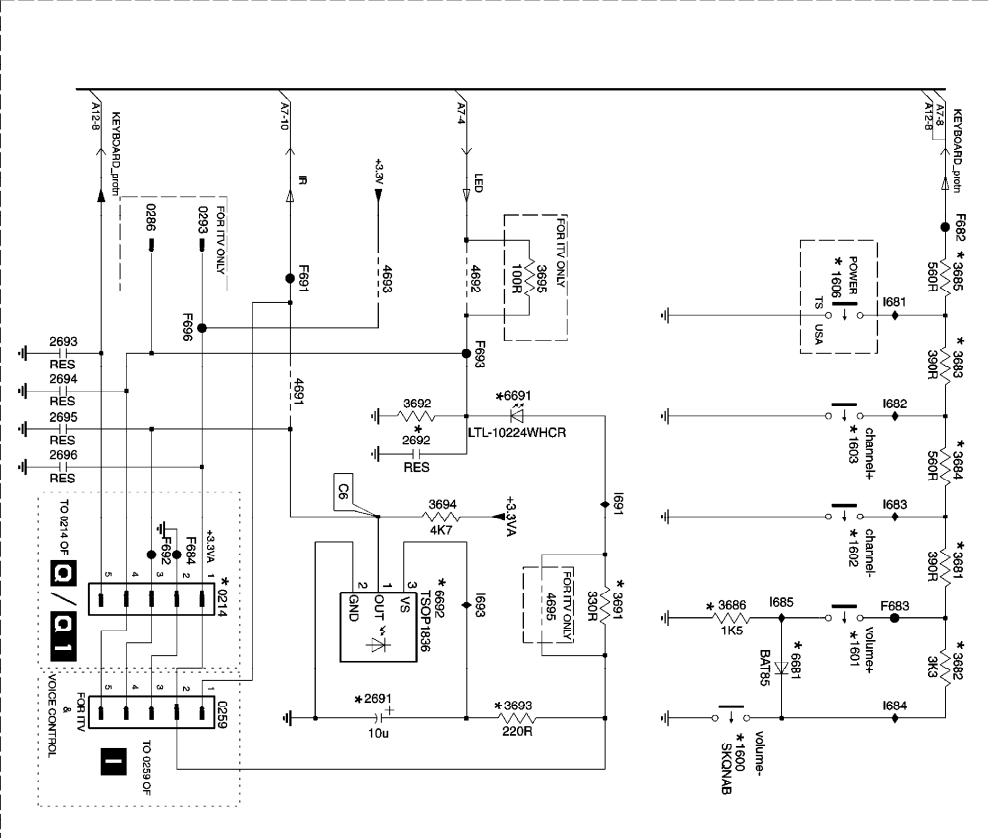
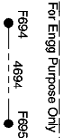
A8 AUDIO AMP

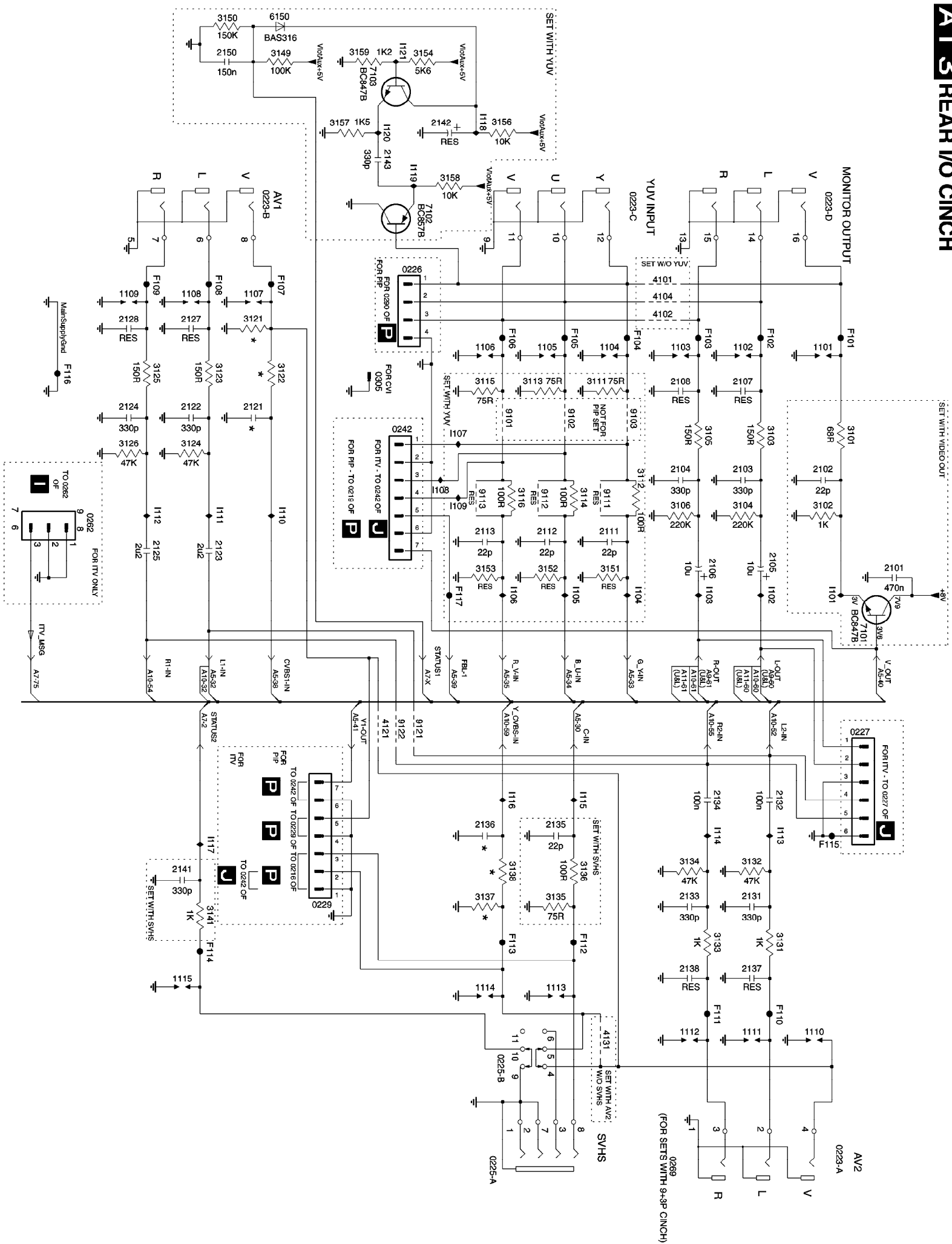


[FBAN60 - AUDPROC]

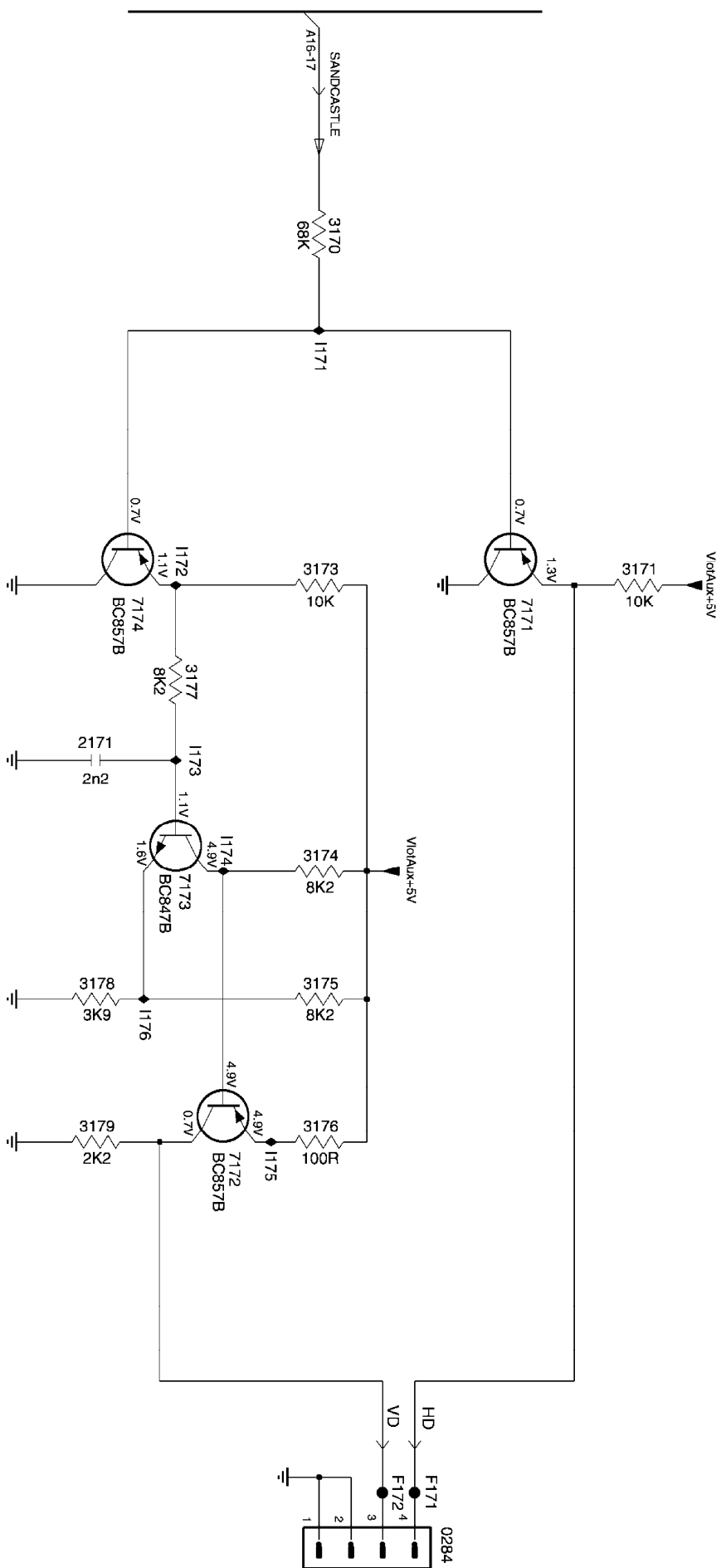


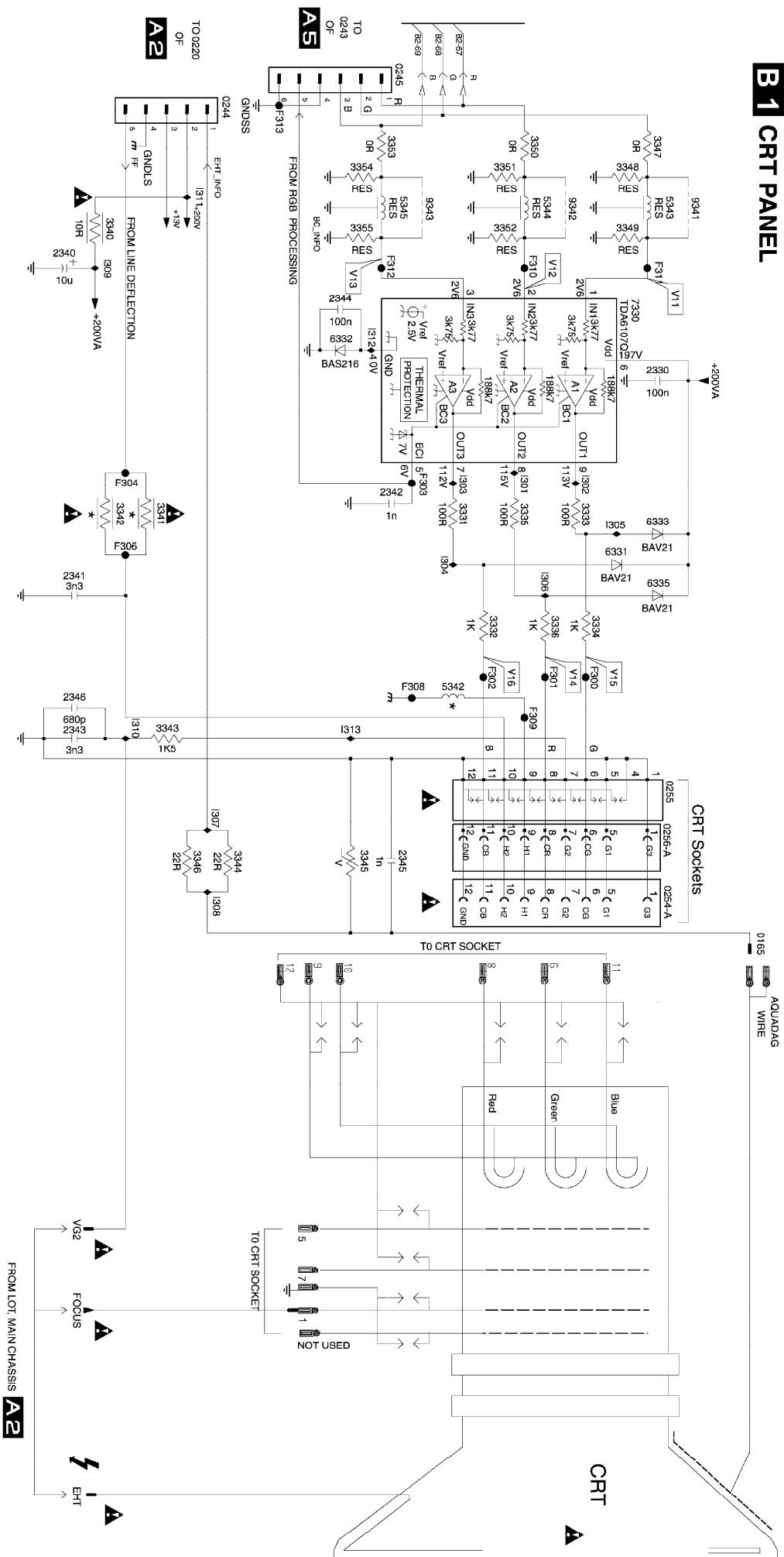
A11 BTSC - NDBX STEREO DECODER



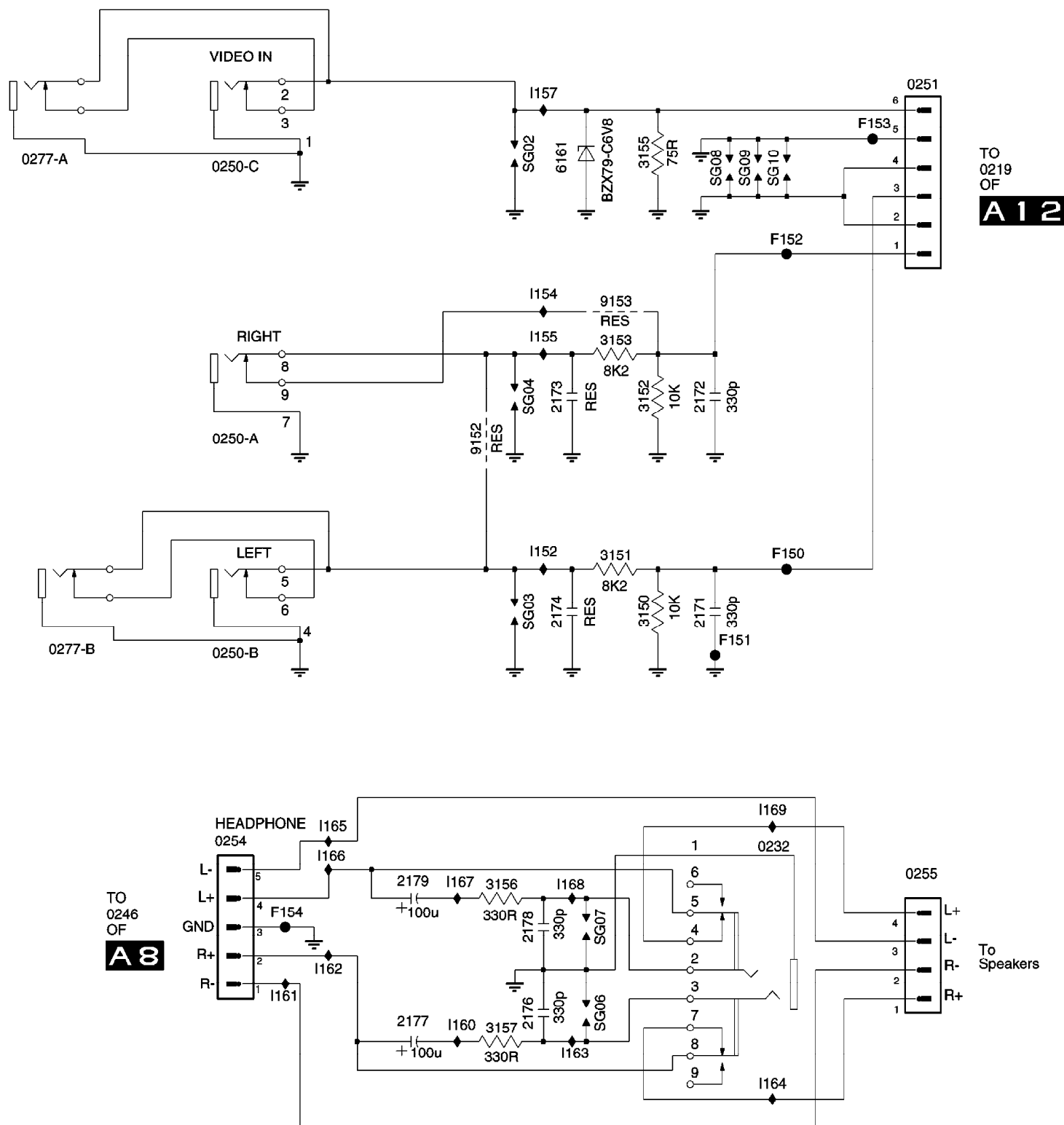
A13 REAR I/O CINCH

TD 0236
OF
P

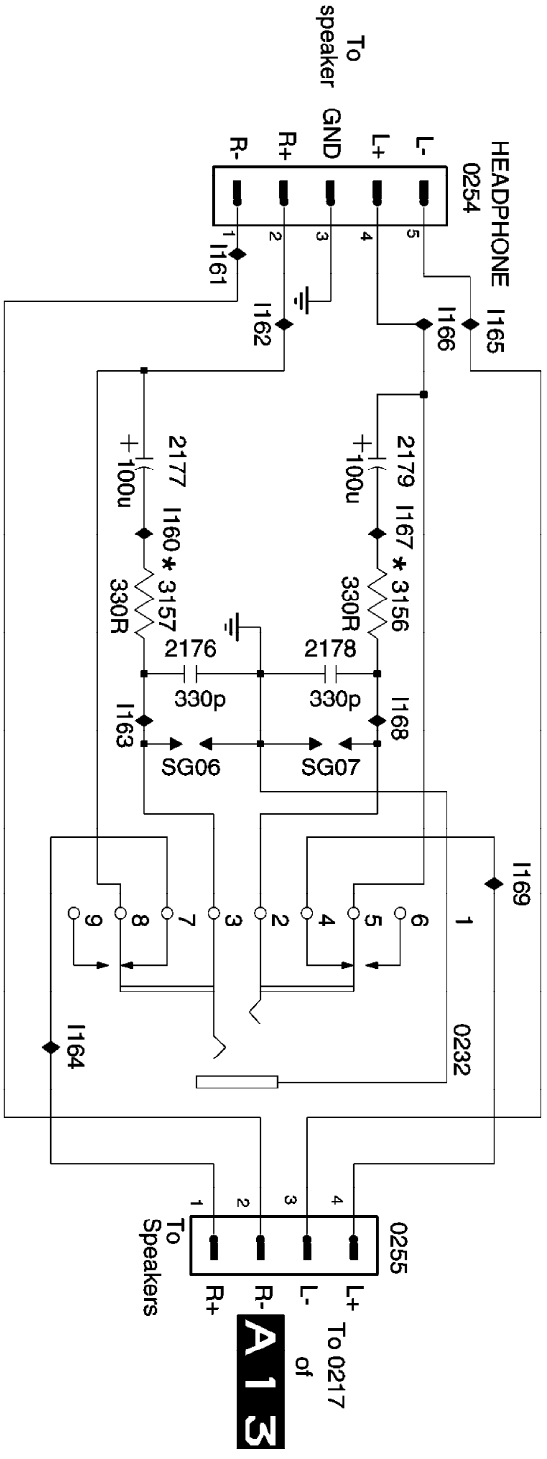
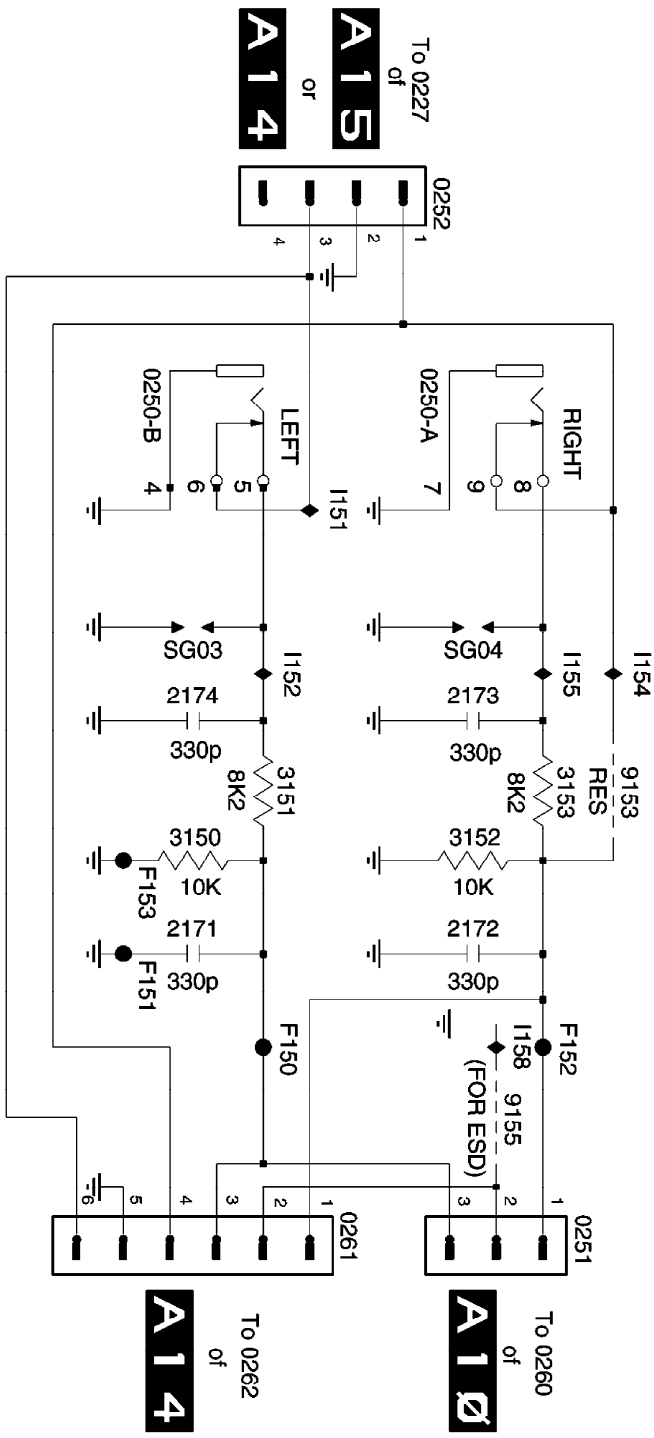
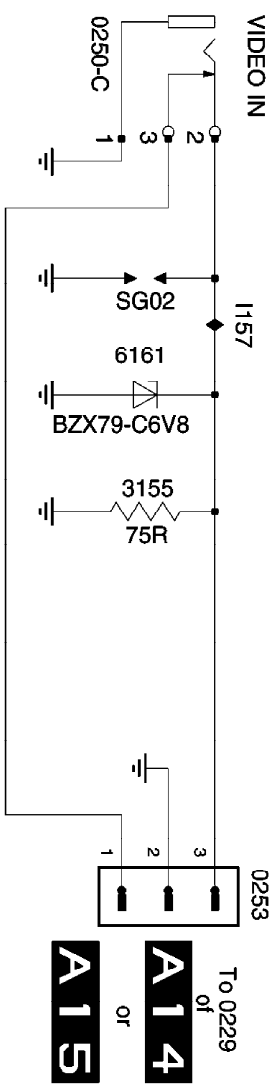


B1 CRT PANEL

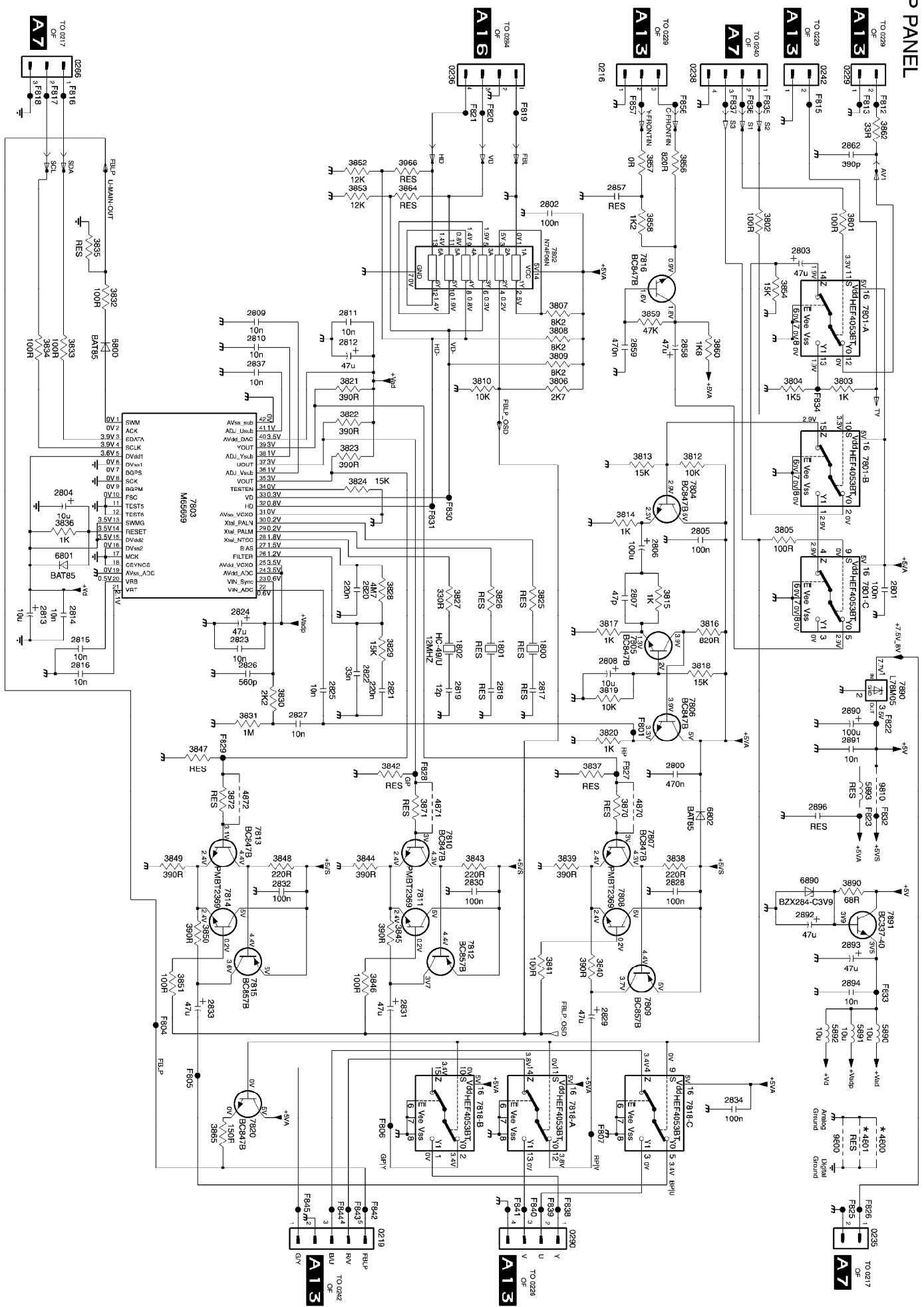
SIDE AV PANEL + HP PANEL



SIDE AV

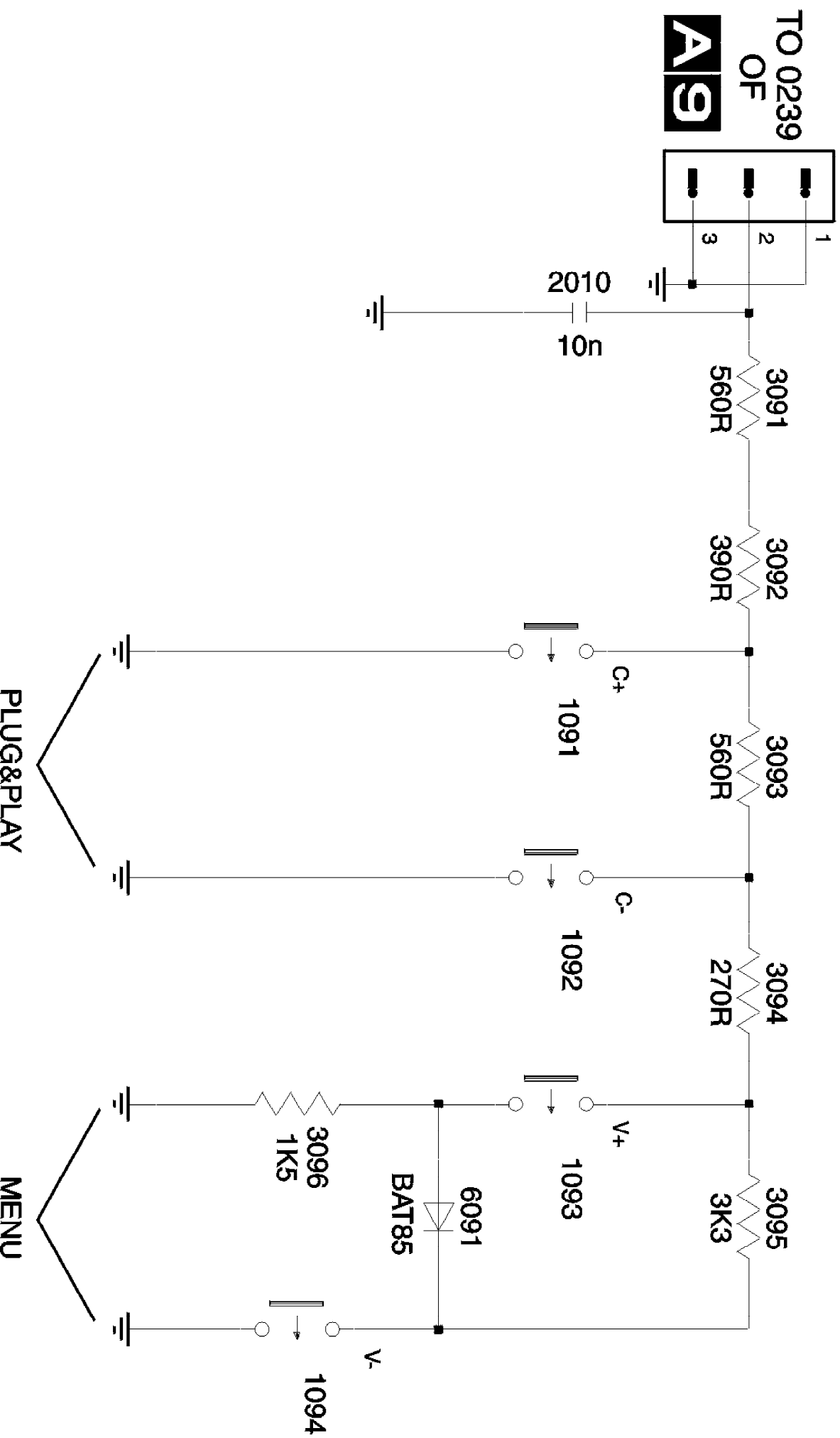


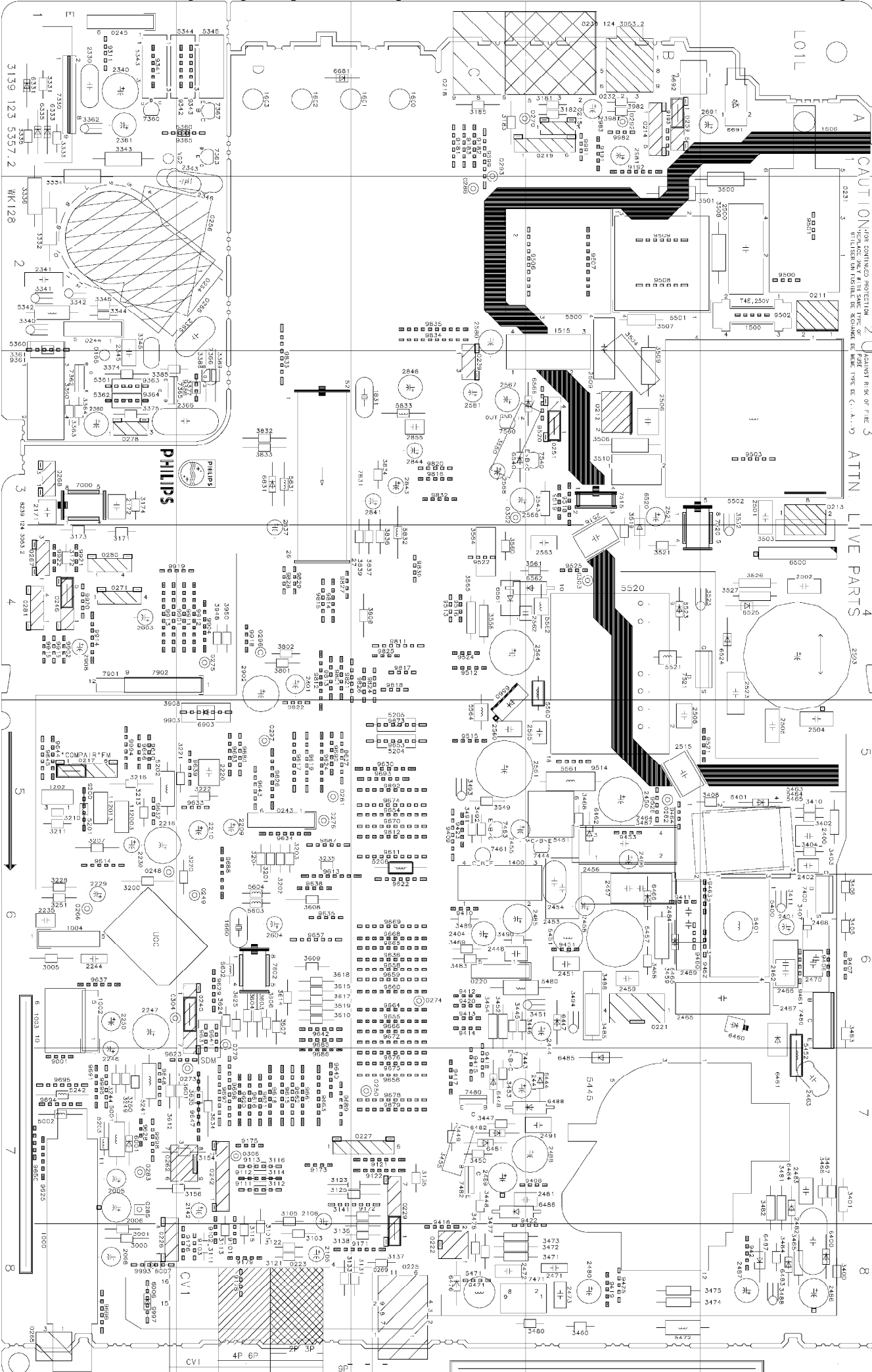
PIP PANEL

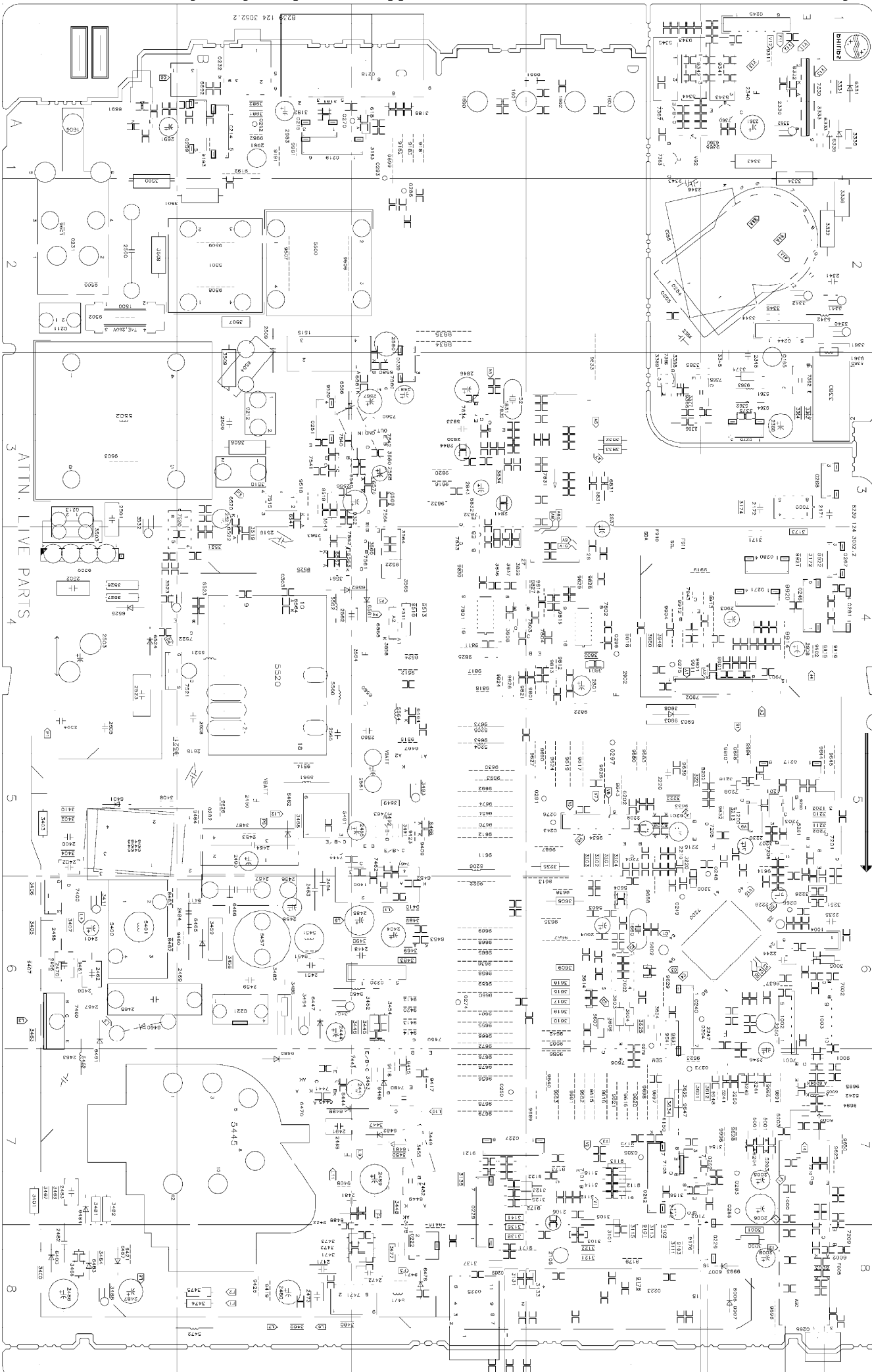


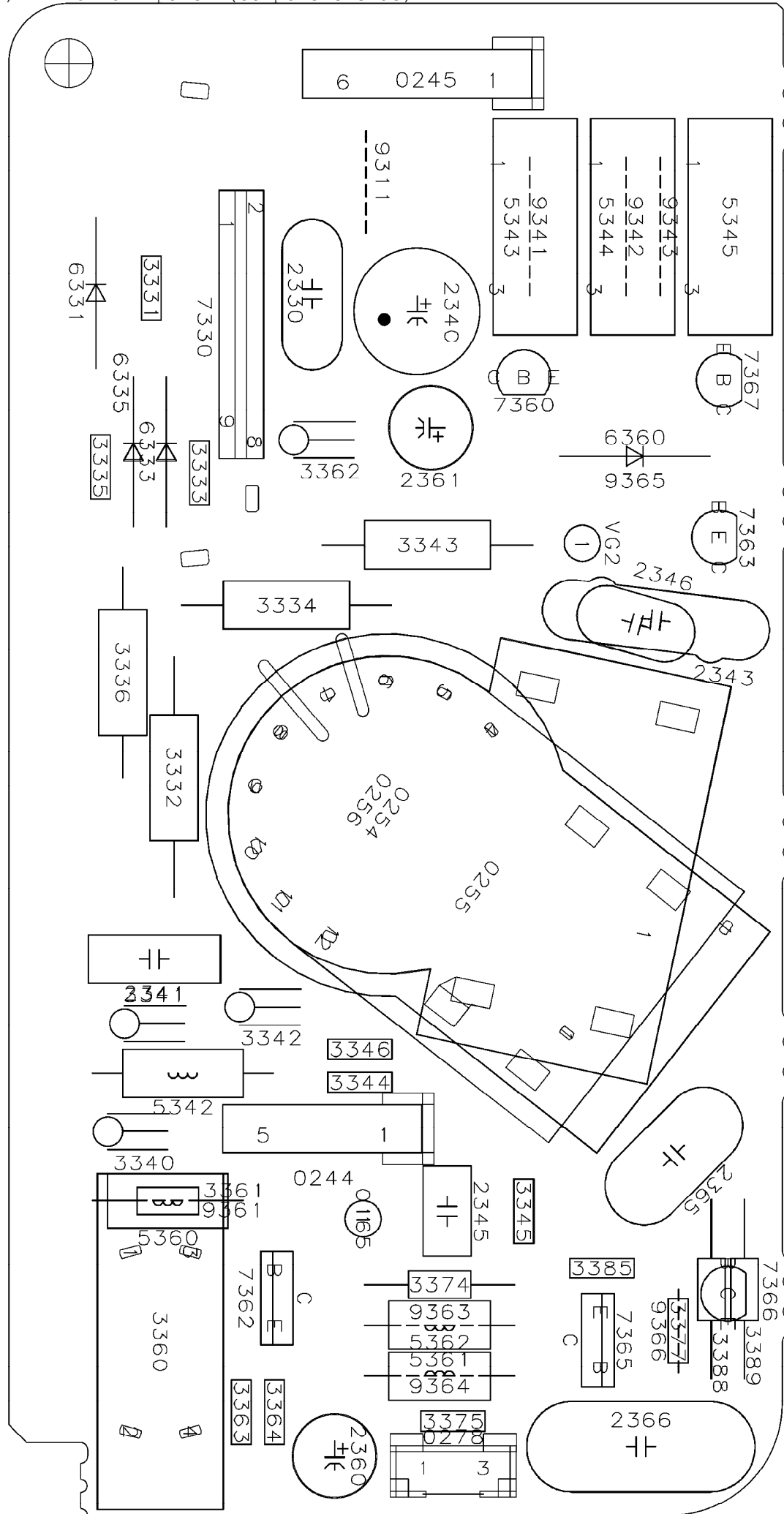
T TOP CONTROL PANEL (RF)

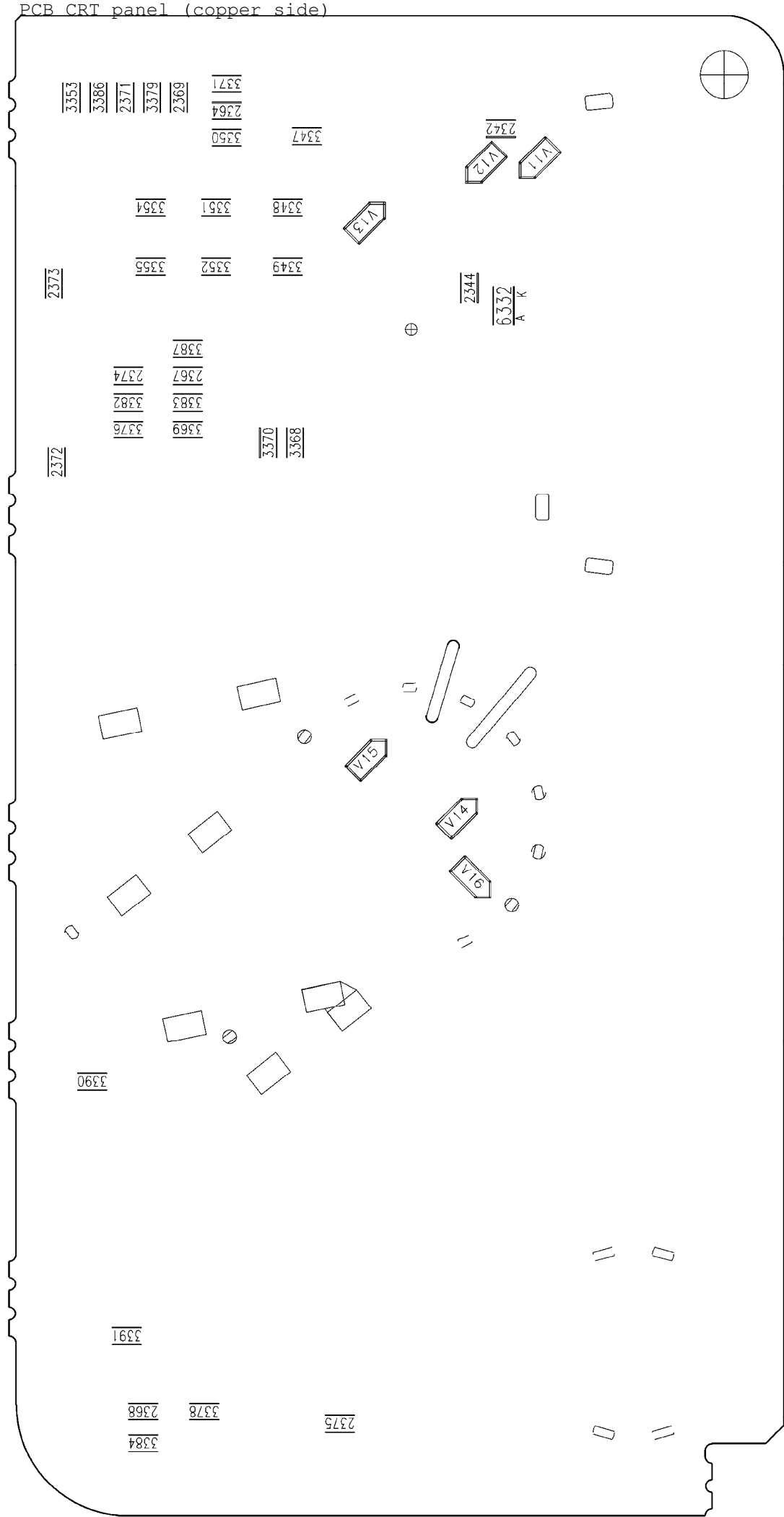
0215

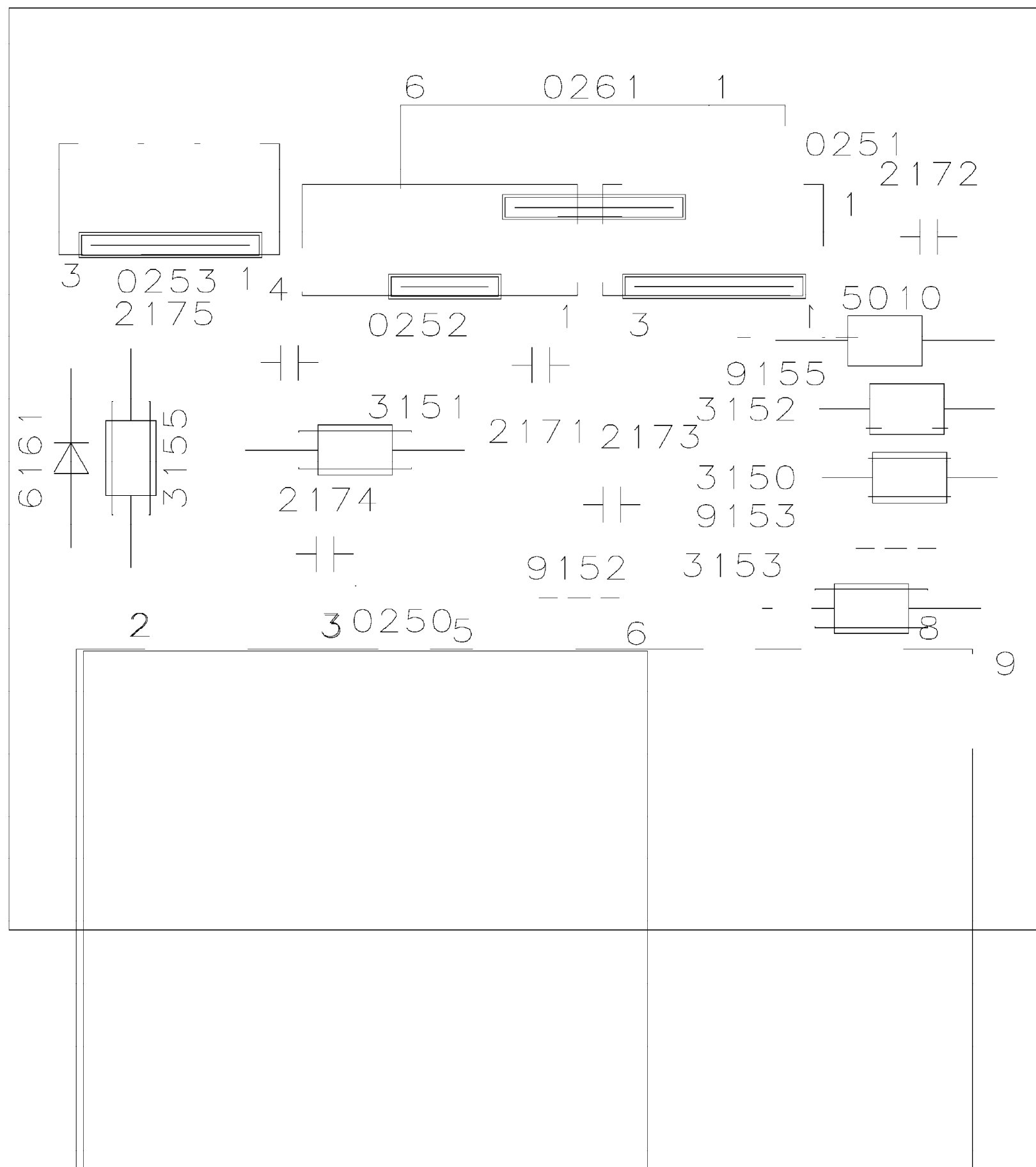


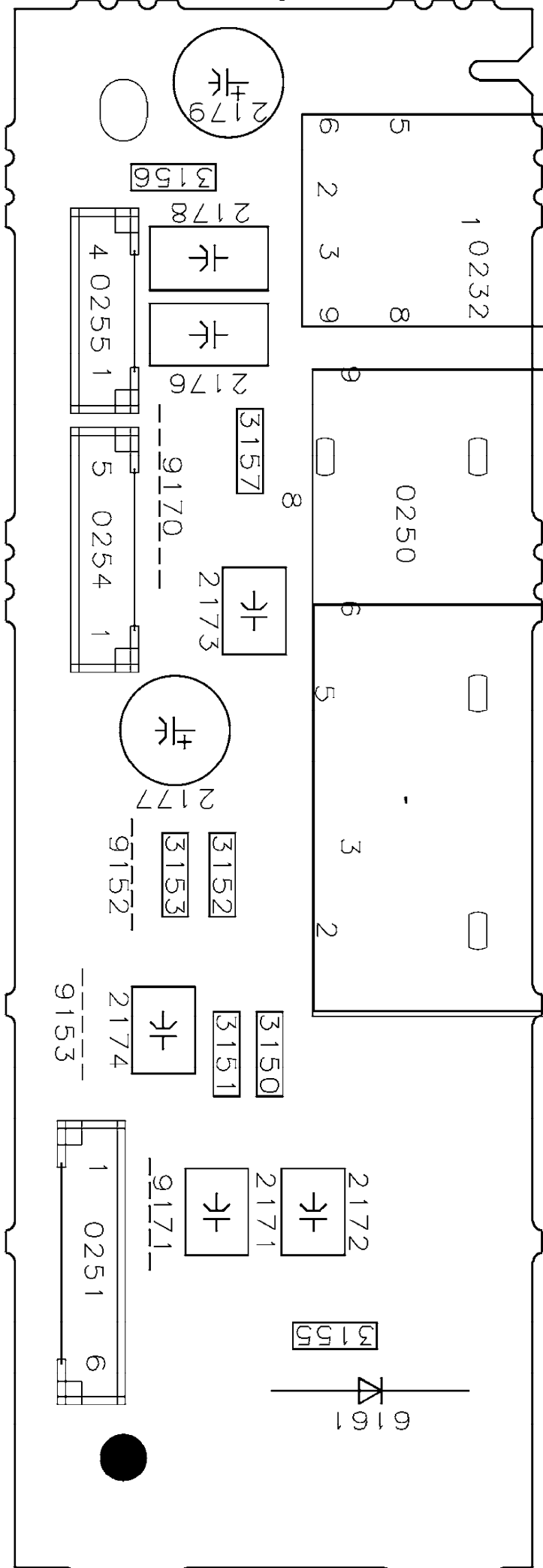


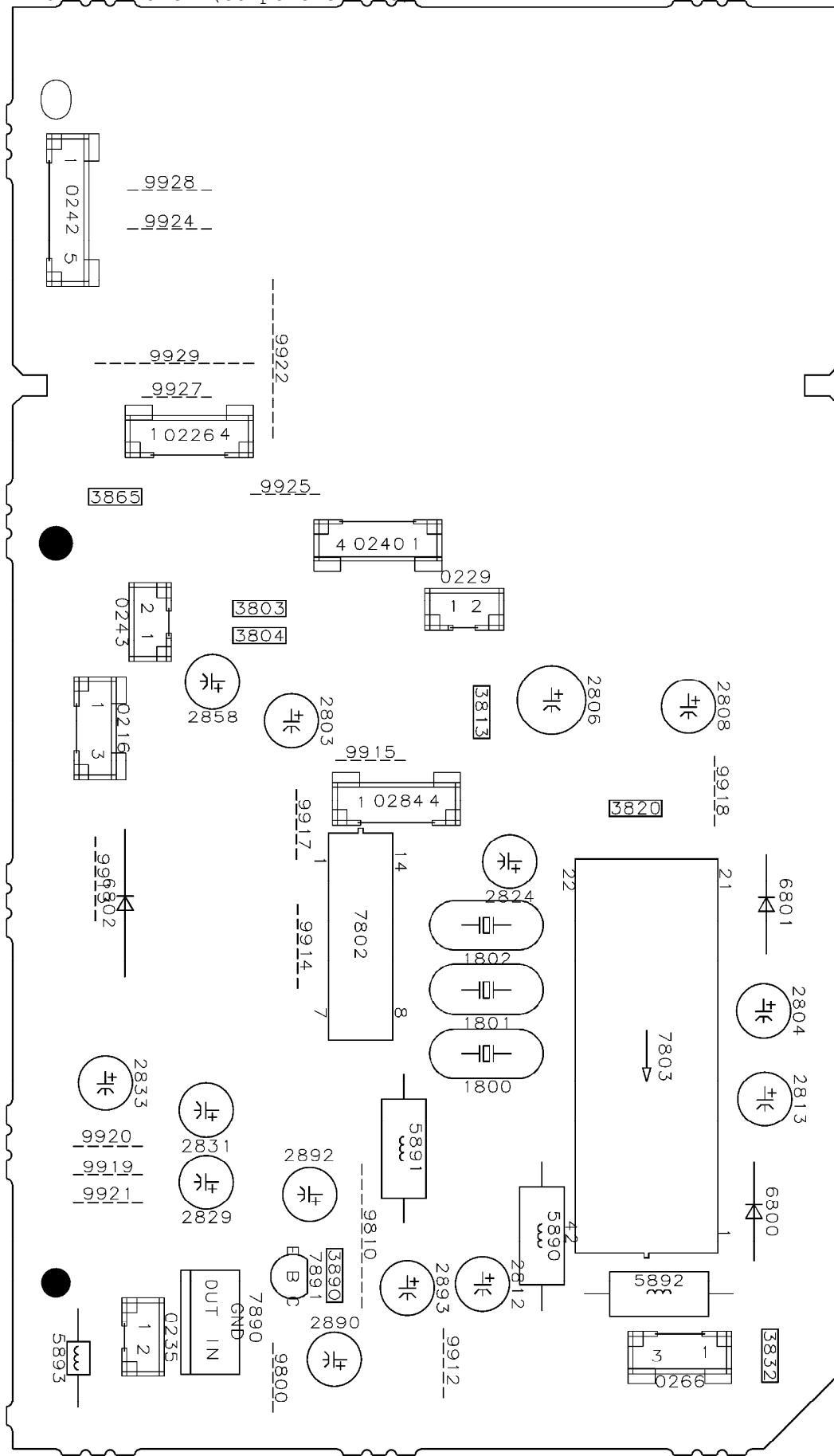


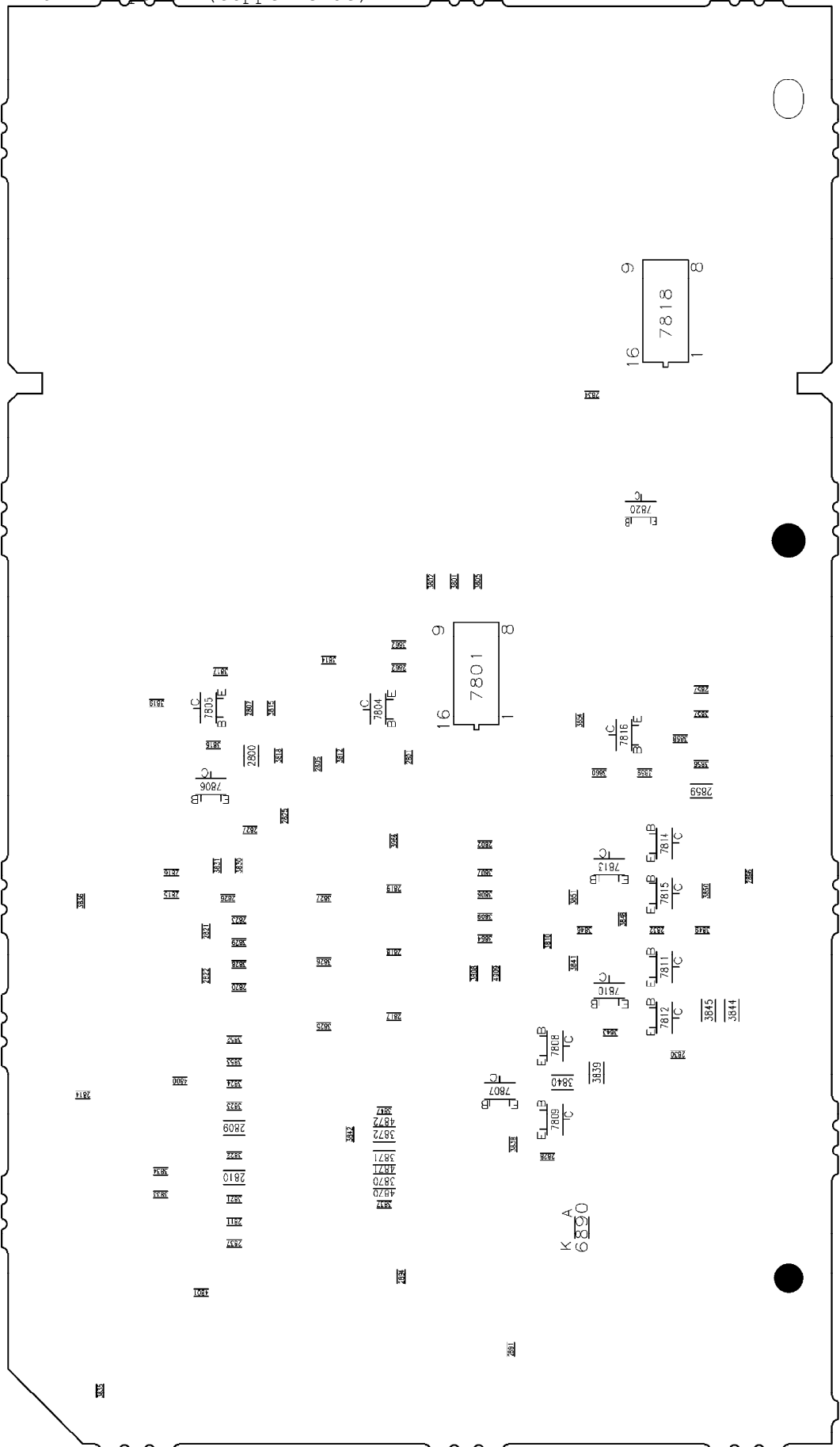


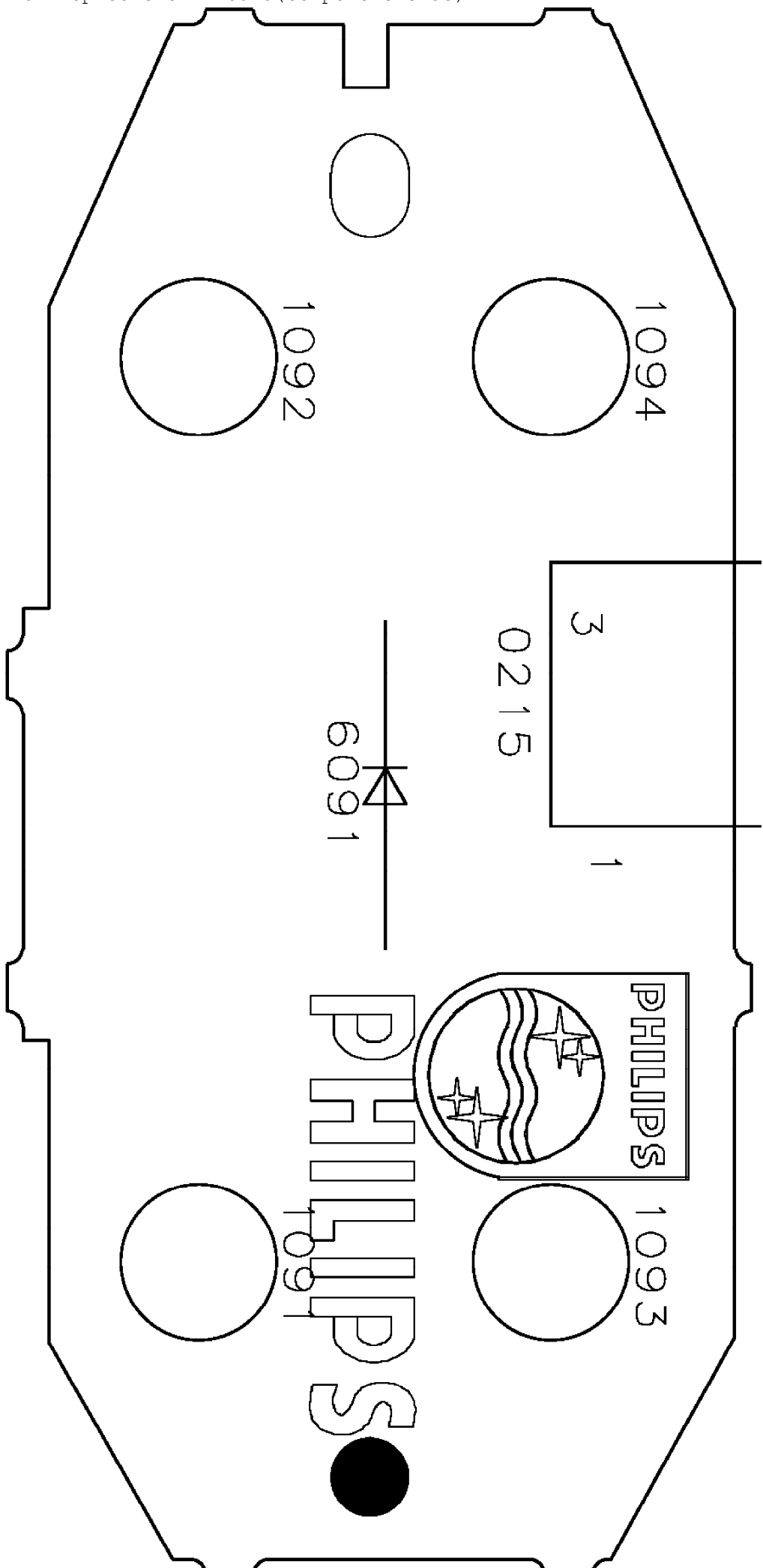


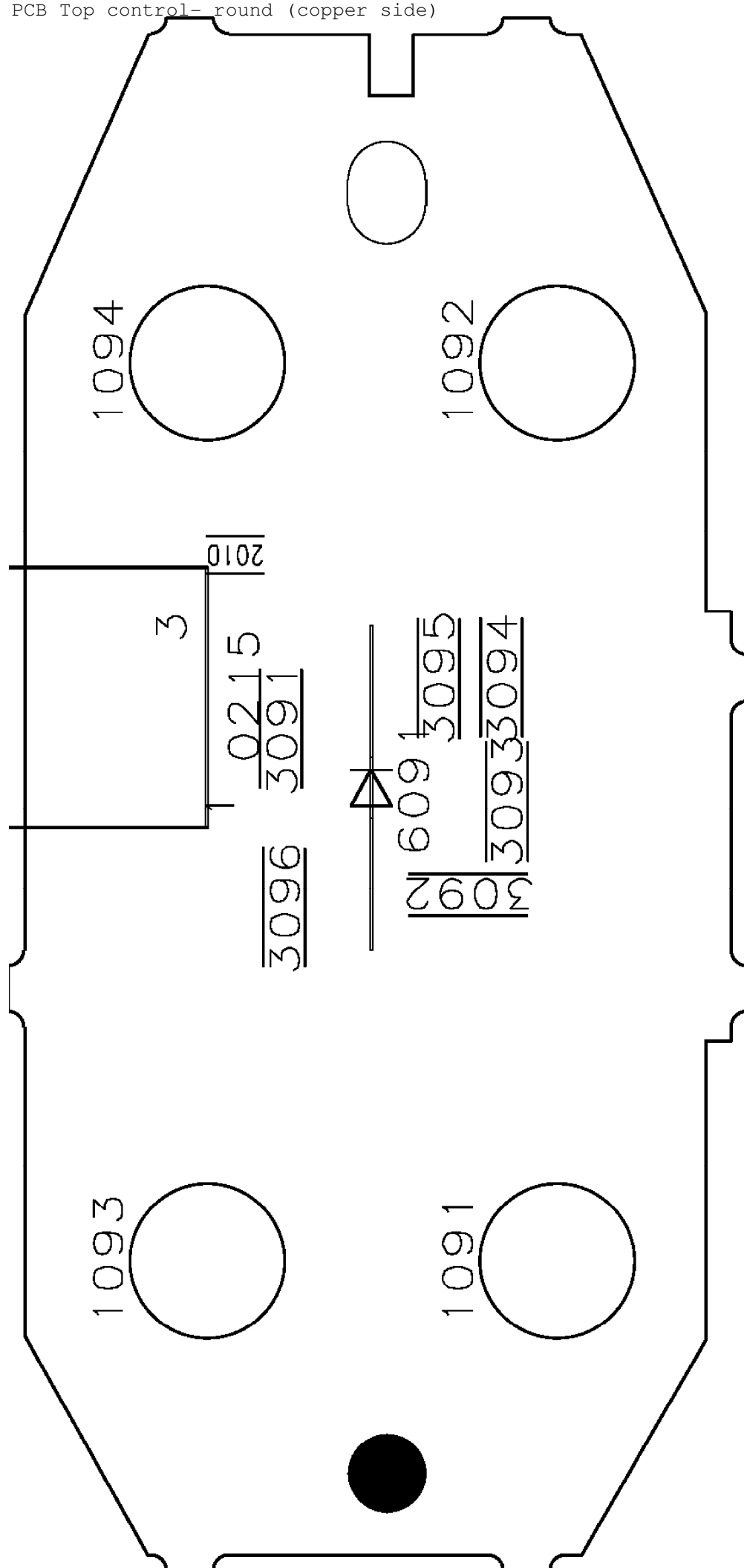






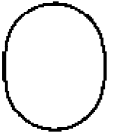




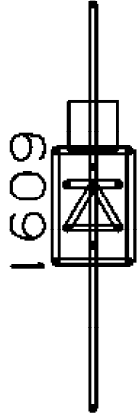
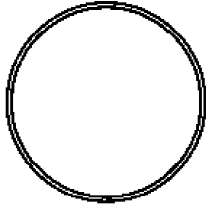


TOP CONTROL PANEL

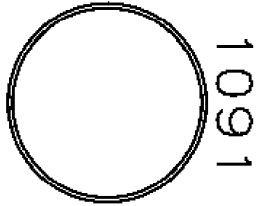
3139 123 5287.4 WK017.5



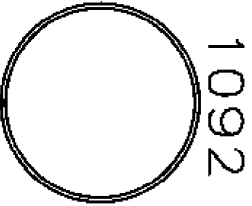
1094



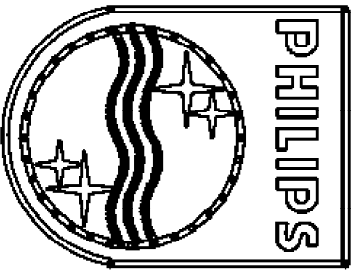
6091



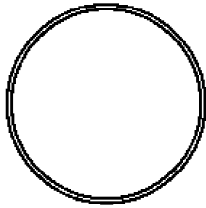
1091



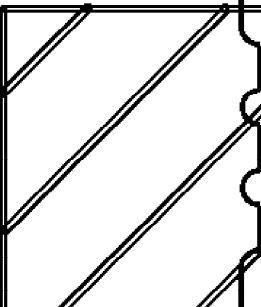
1092



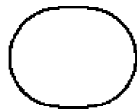
PHILIPS



1093



0215



3

1

PHILIPS

