



DVD Player Service Manual

Model:
DVD-2107

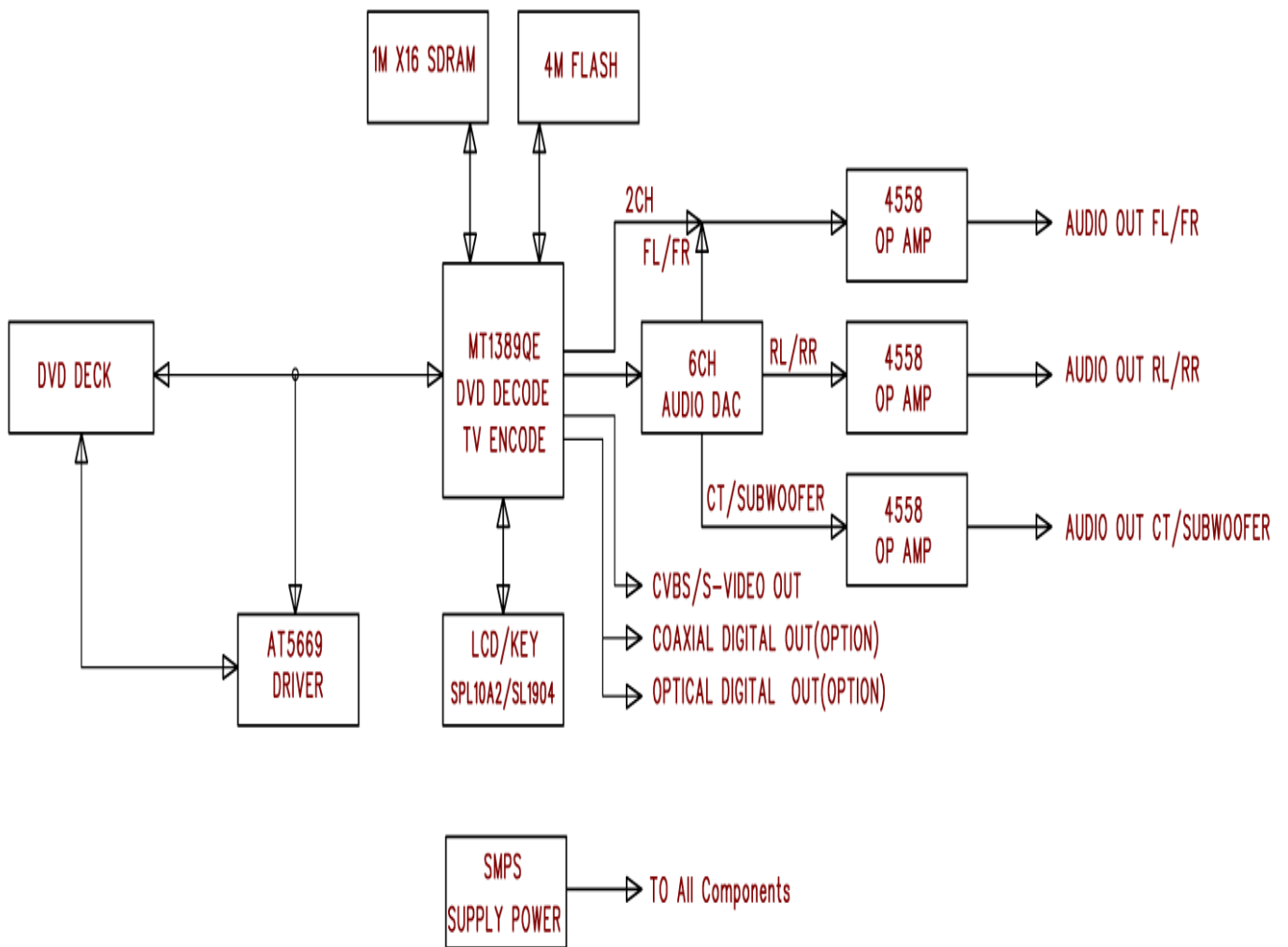
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SPECIFICATION

Mode	Description
TV mode	NTSC/PAL
Disc mode	DCD, VCD, CD, SVCD MP3、CD-R、CD-RW、DVD±R、DVD±RW.
Image resolution	≥500lines
S/N	≥65dB
Audio S/N	≥75dB
Dynamic range	≥75dB
Total Harmonic Distortion	THD + SN 70db
Video output	1Vp-p (75ohm)
S Video output	Y:1 Vp-p (75ohm) C:0.3Vp-p (75ohm)
Audio output	2 Vrms (1khz, 0db)
Digital audio output	Coaxial digital output (RCA type)
Power supplier	AC 110-240V 50/60HZ
Power consumer	≤12W
Weight	1.5Kg
Dimensions	254(L) x 234(W) x 52(H)mm
Operating temperature range	+5°C to +35°C
Operating humidity range	5 to 90% (no condensation)

BLOCK DIAGRAM

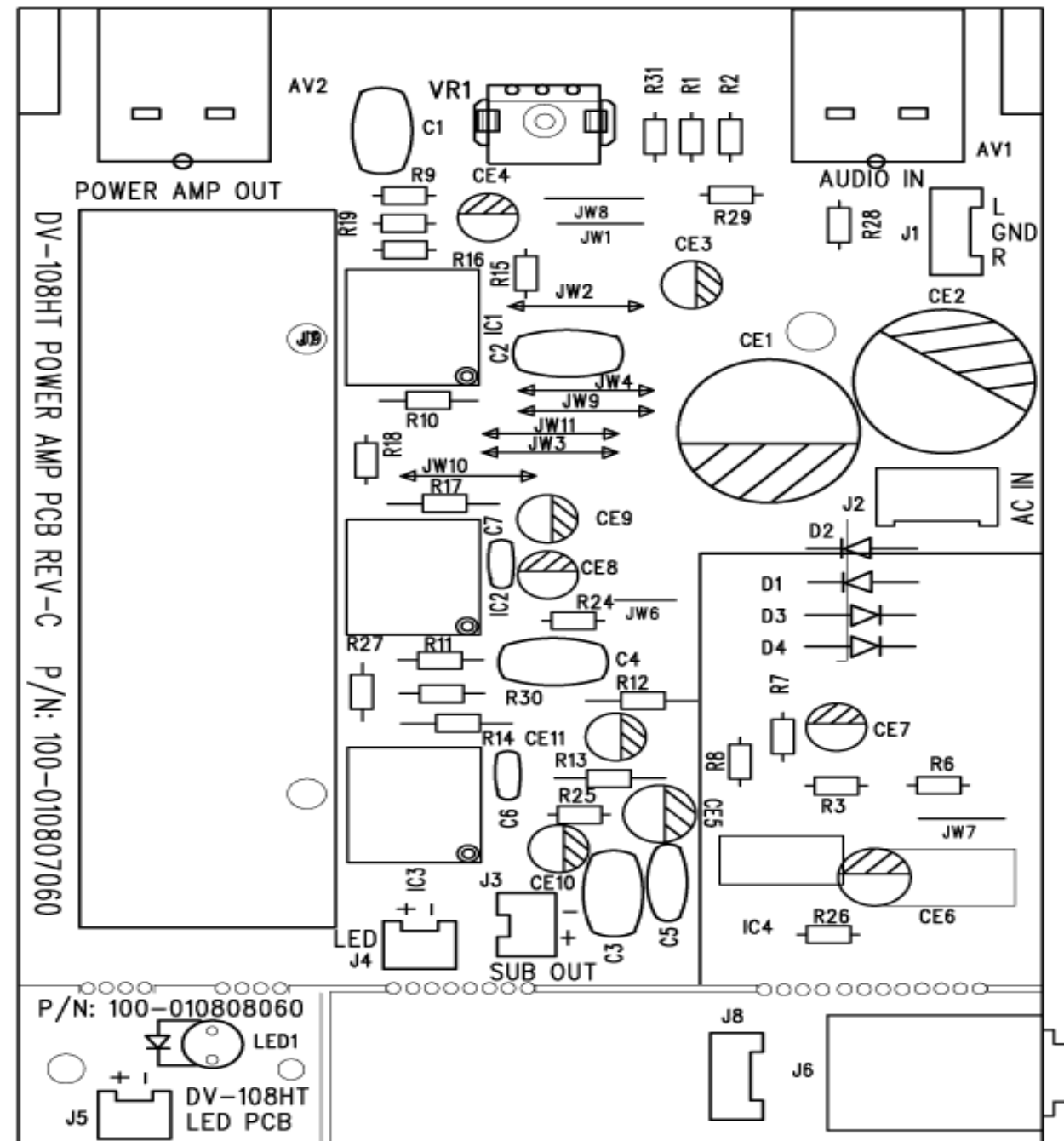


TROUBLE SHOOTING GUIDE

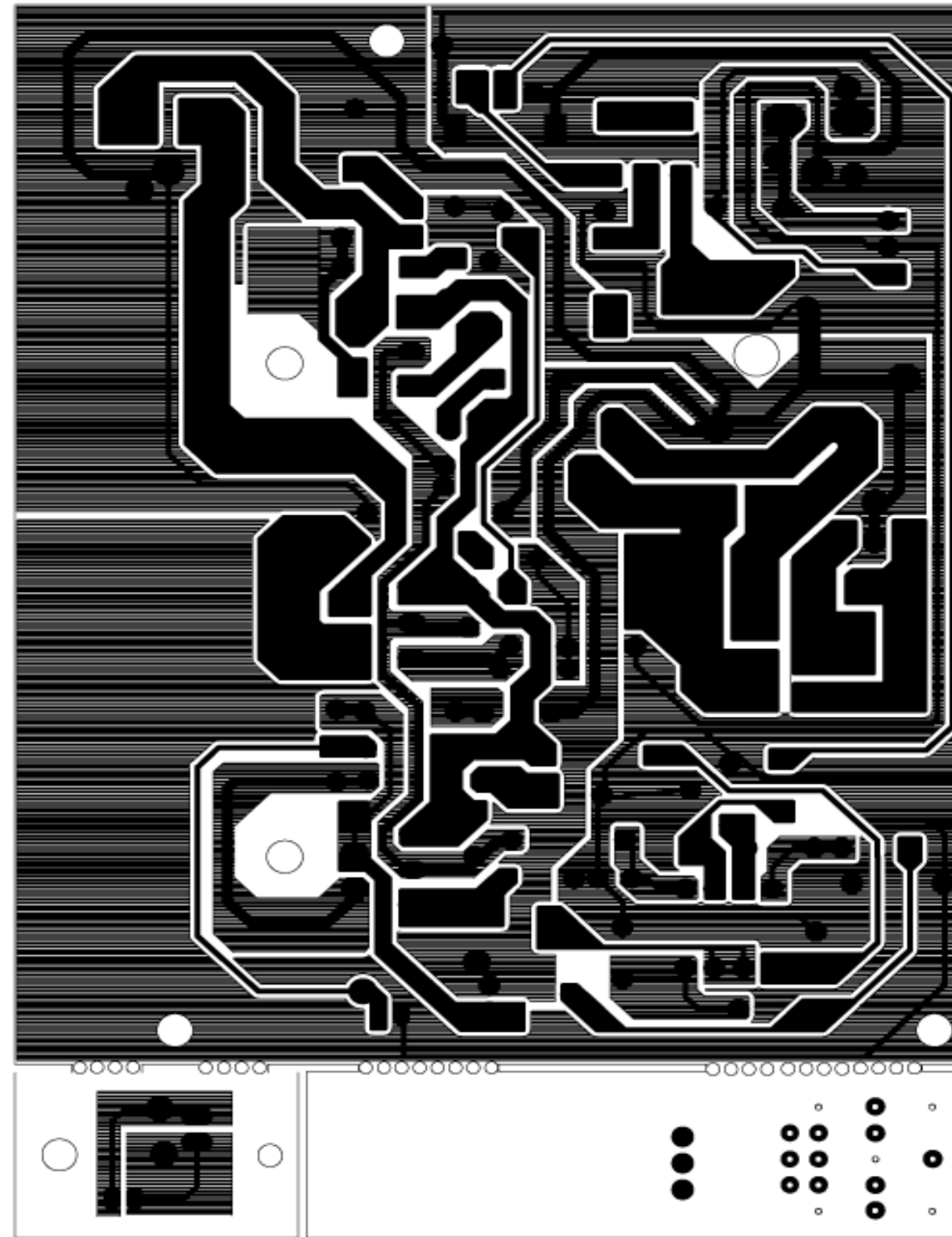
Symptom	Correction
No power	• Plug the power cord into the wall outlet securely.
No picture.	• Select the appropriate video input mode on the TV so the picture from the DVD player appears on the TV screen. • Connect the video cable into the jacks securely. • Turn on the TV.
No sound	• Check audio connections. • If you are using a HiFi amplifier, try another sound source.
The playback picture is poor	• Clean the disc. • Correct the TV / DVD player colour system.
The DVD player does not start playback.	• Insert a disc, if no disc inside the player. • Insert a playable disc. (Check the disc type, color system and Regional code.) • Place the disc with the playback side down. • Clean the disc. • Cancel the Rating function or change the rating level.
Severe hum or noise is heard.	• Wipe them with a cloth slightly moistened with alcohol. • Clean the disc. • Connect the speakers and components securely. • Move your TV away from the audio components.
The remote control does not work properly.	• Point the remote control at the remote sensor of the DVD receiver. • Operate the remote control within about 5m. • Remove the obstacle. • Replace the batteries with new ones.
Completely distorted picture or no colour	• If the picture is distorted completely or if the picture rolls vertically, make sure the NTSC/PAL setting at the DVD player matches the colour system of your television.
The  icon appears on screen	• The DVD's software restricts it. • The DVD's software doesn't support the feature (eg., angles). • The feature is not available at the moment.

CIRCUIT DIAGRAM

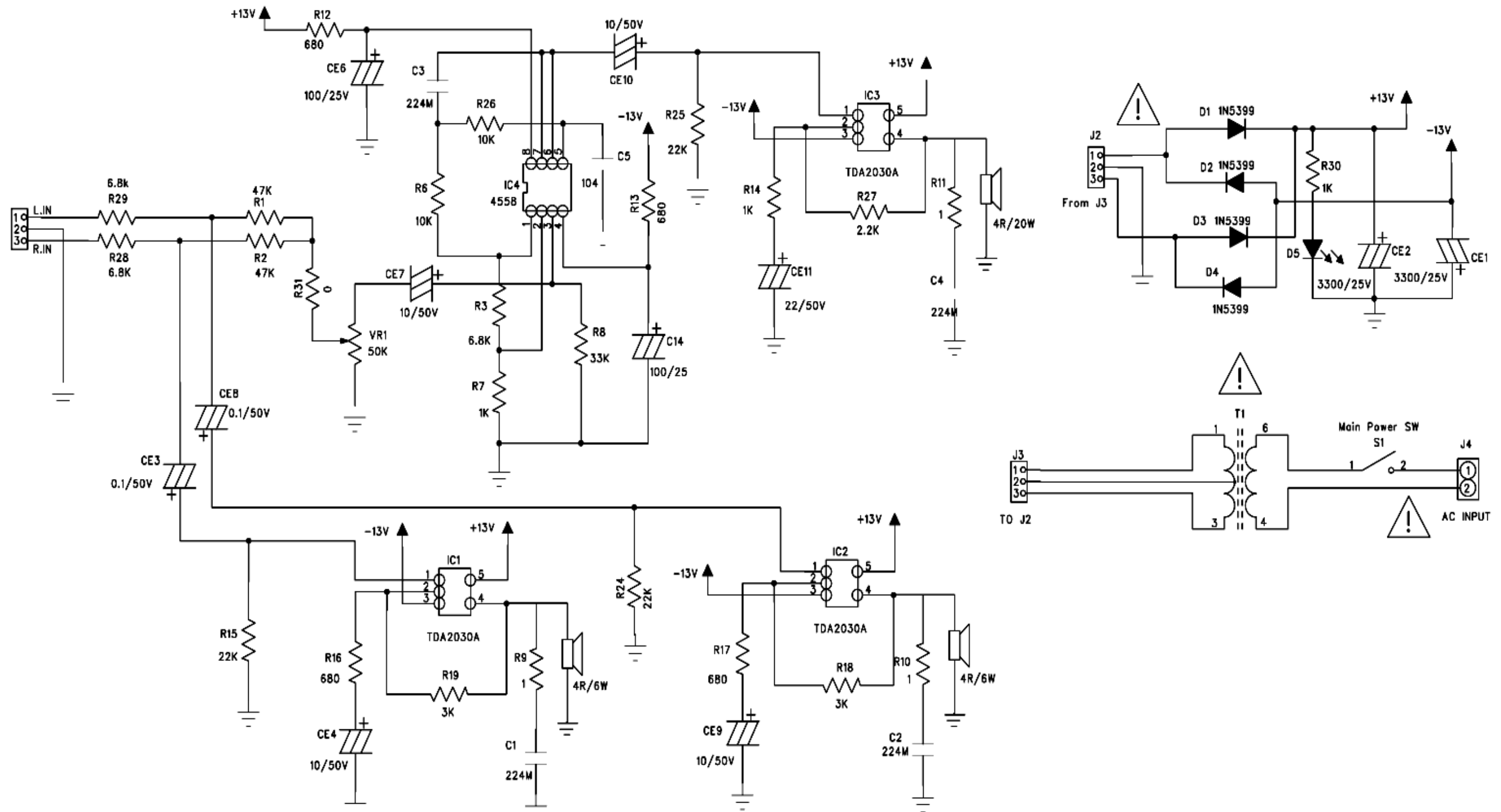
AMPLIFIER PCB



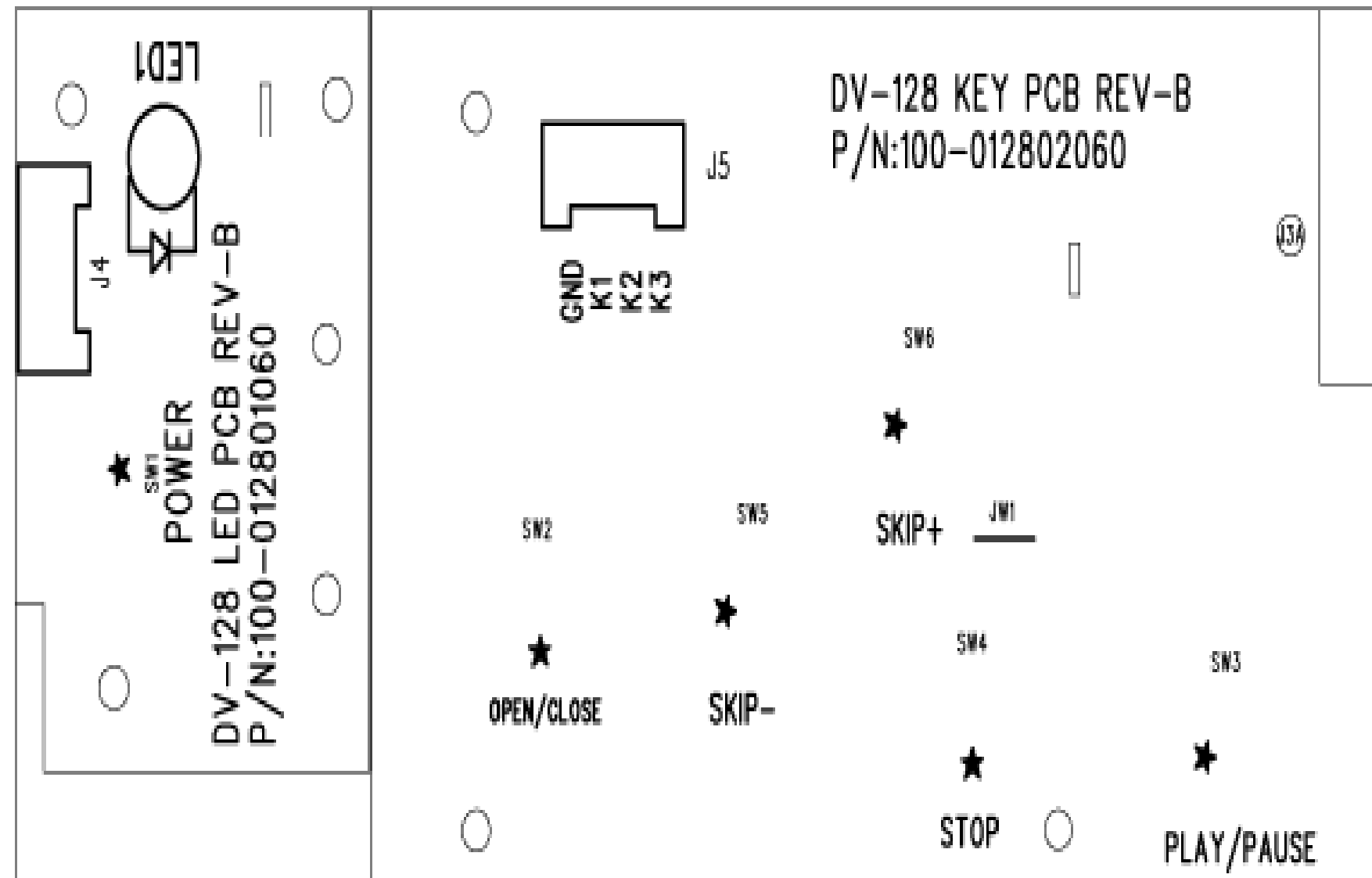
AMPLIFIER PCB



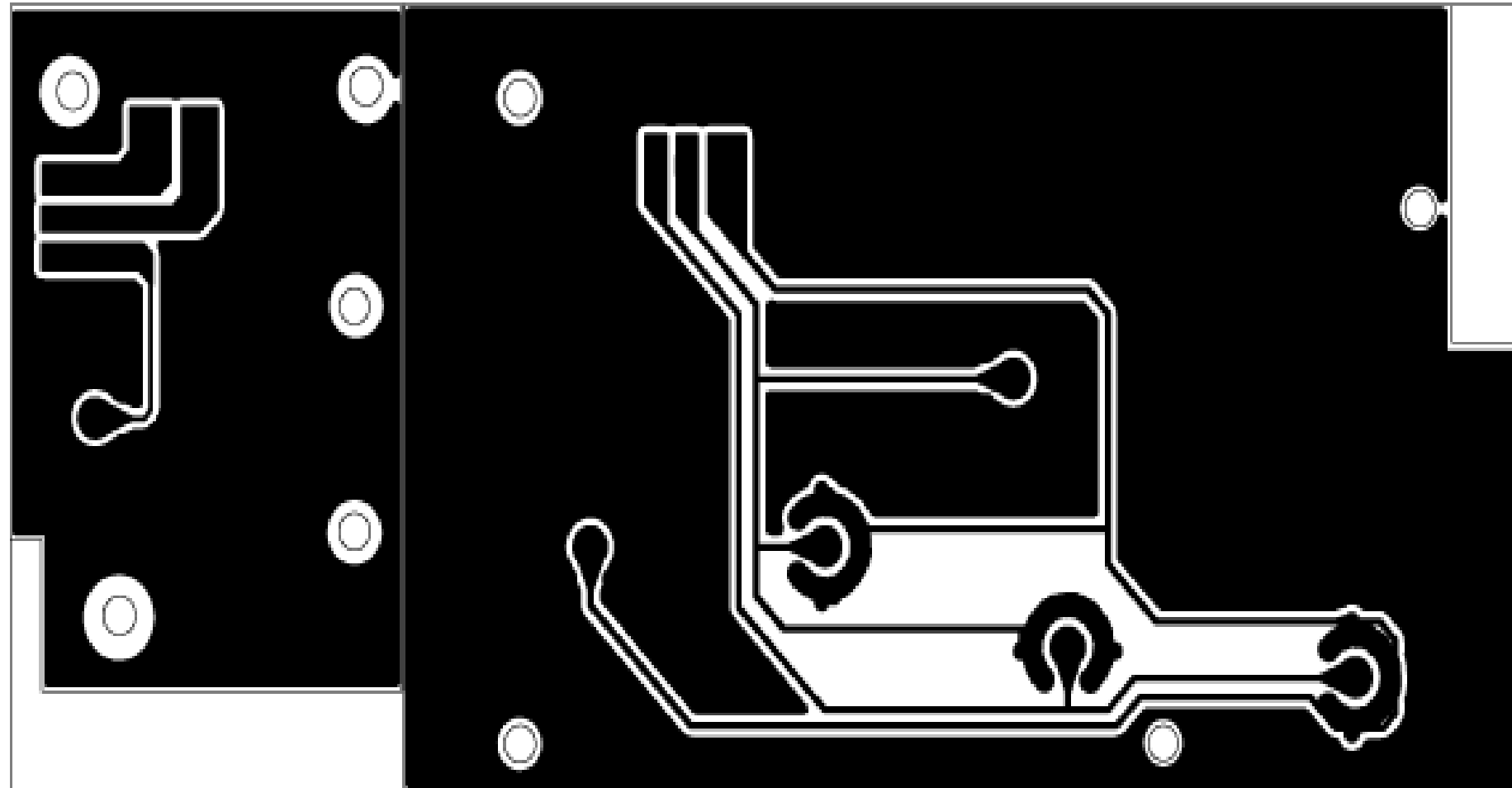
AMPLIFIER PCB



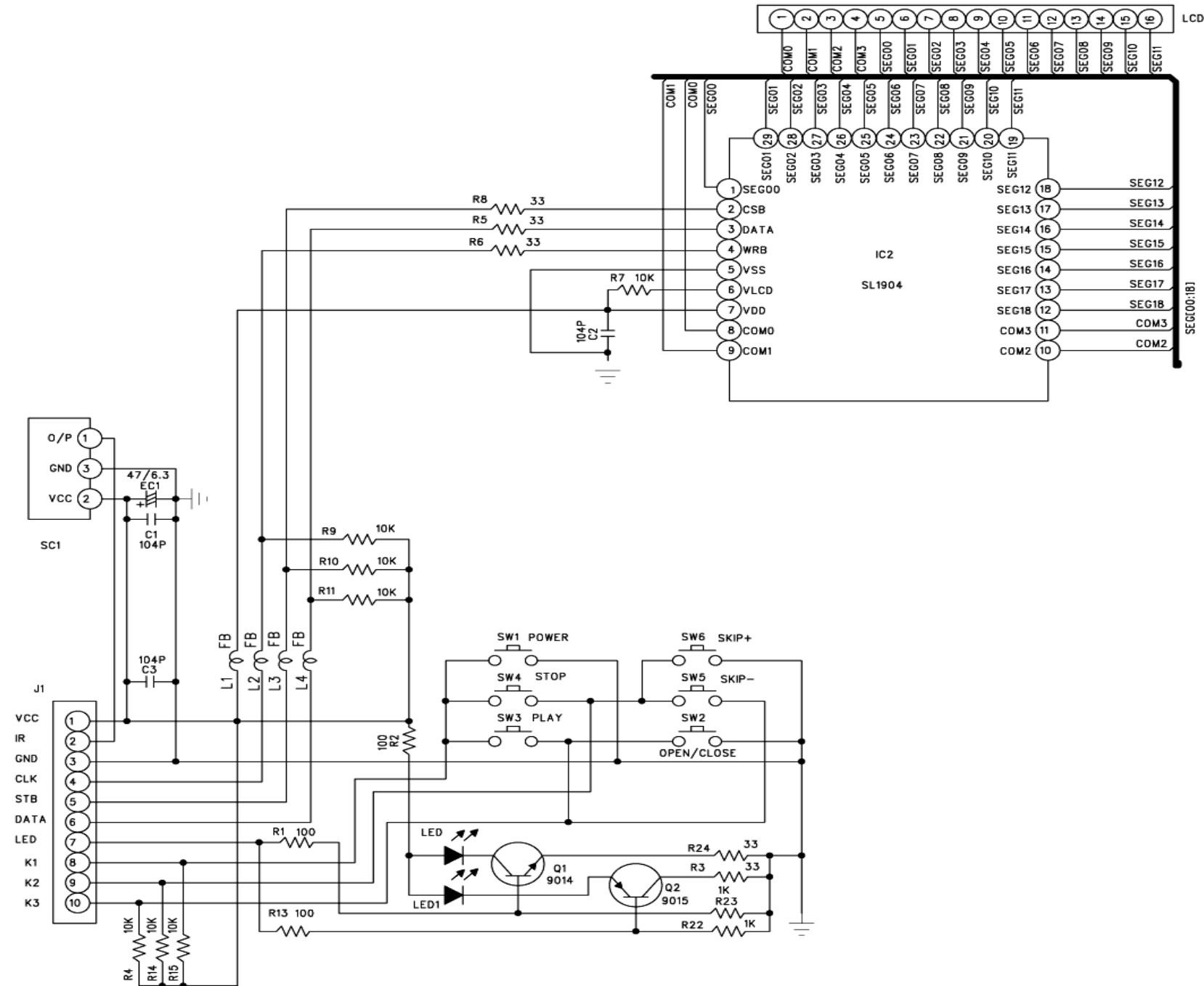
LCD KEY PCB



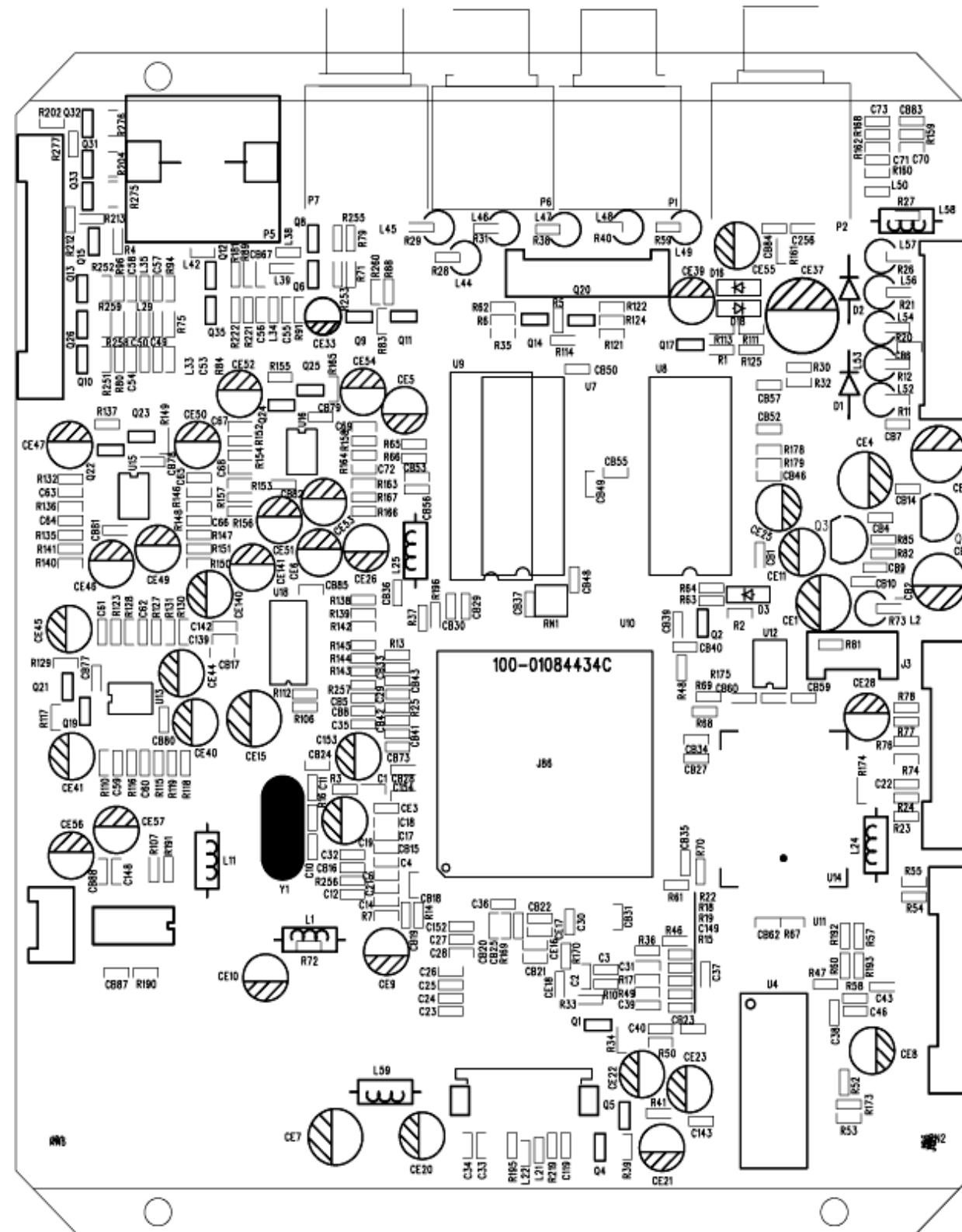
LCD KEY PCB



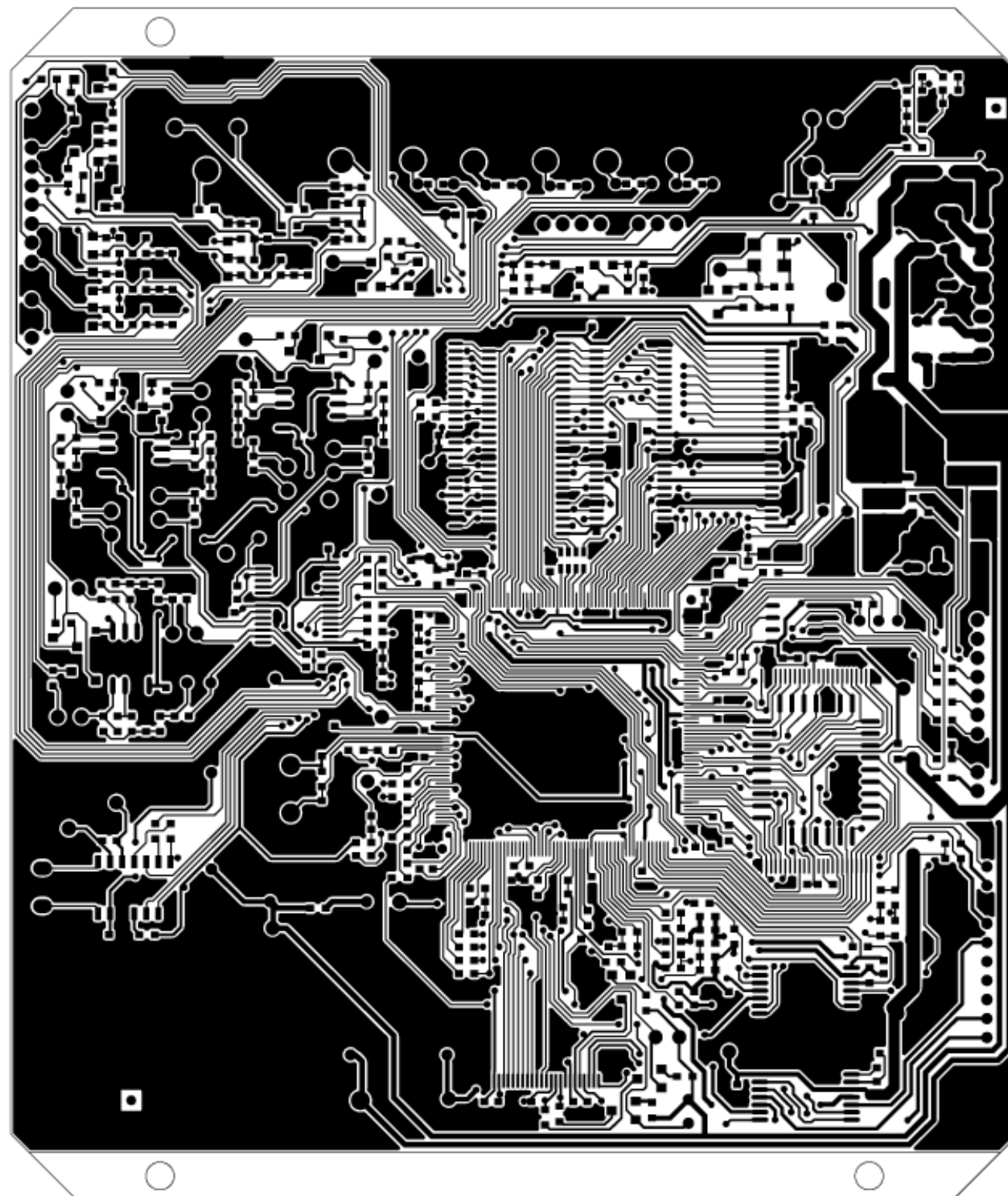
LCD KEY PCB



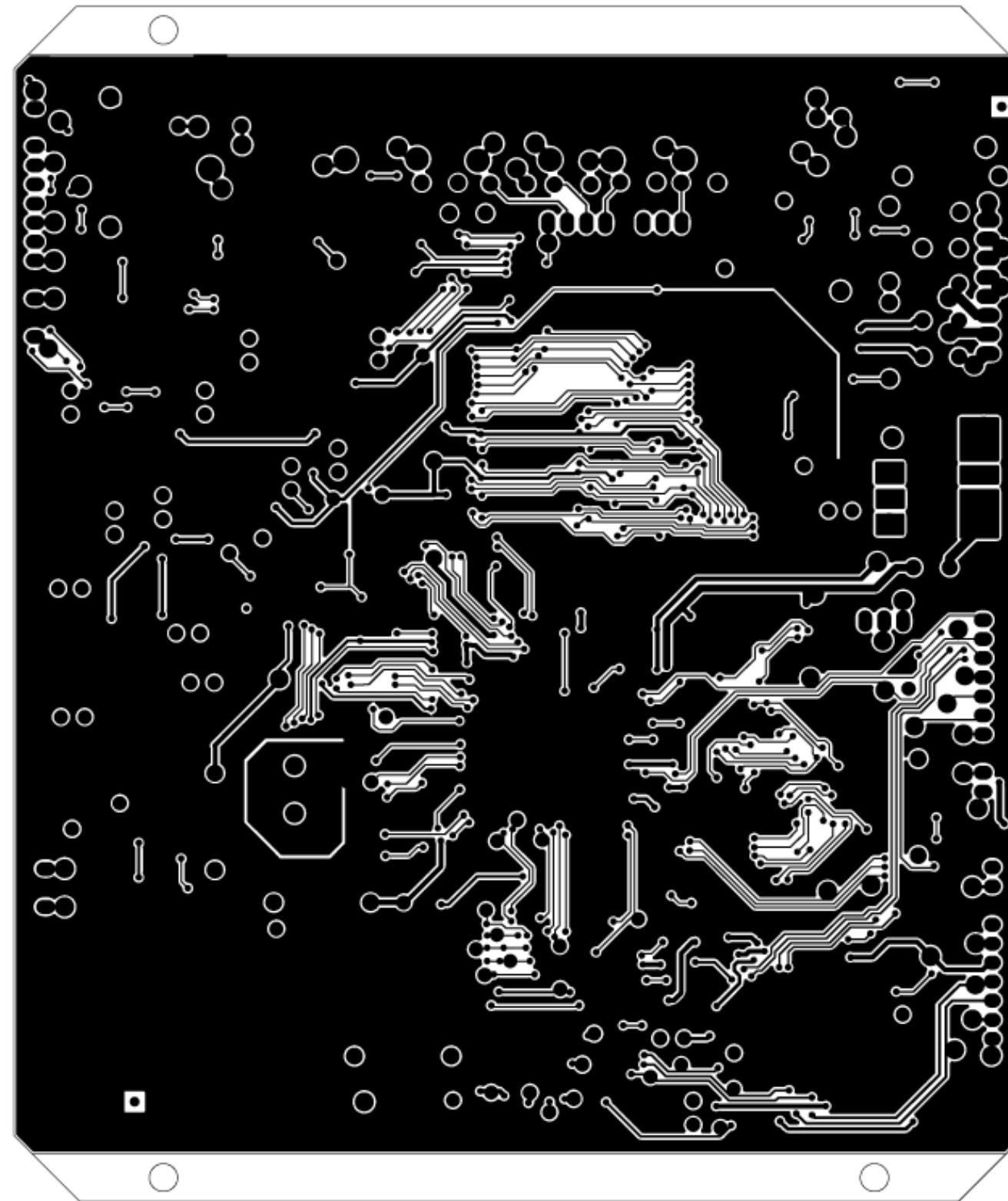
MAIN PCB



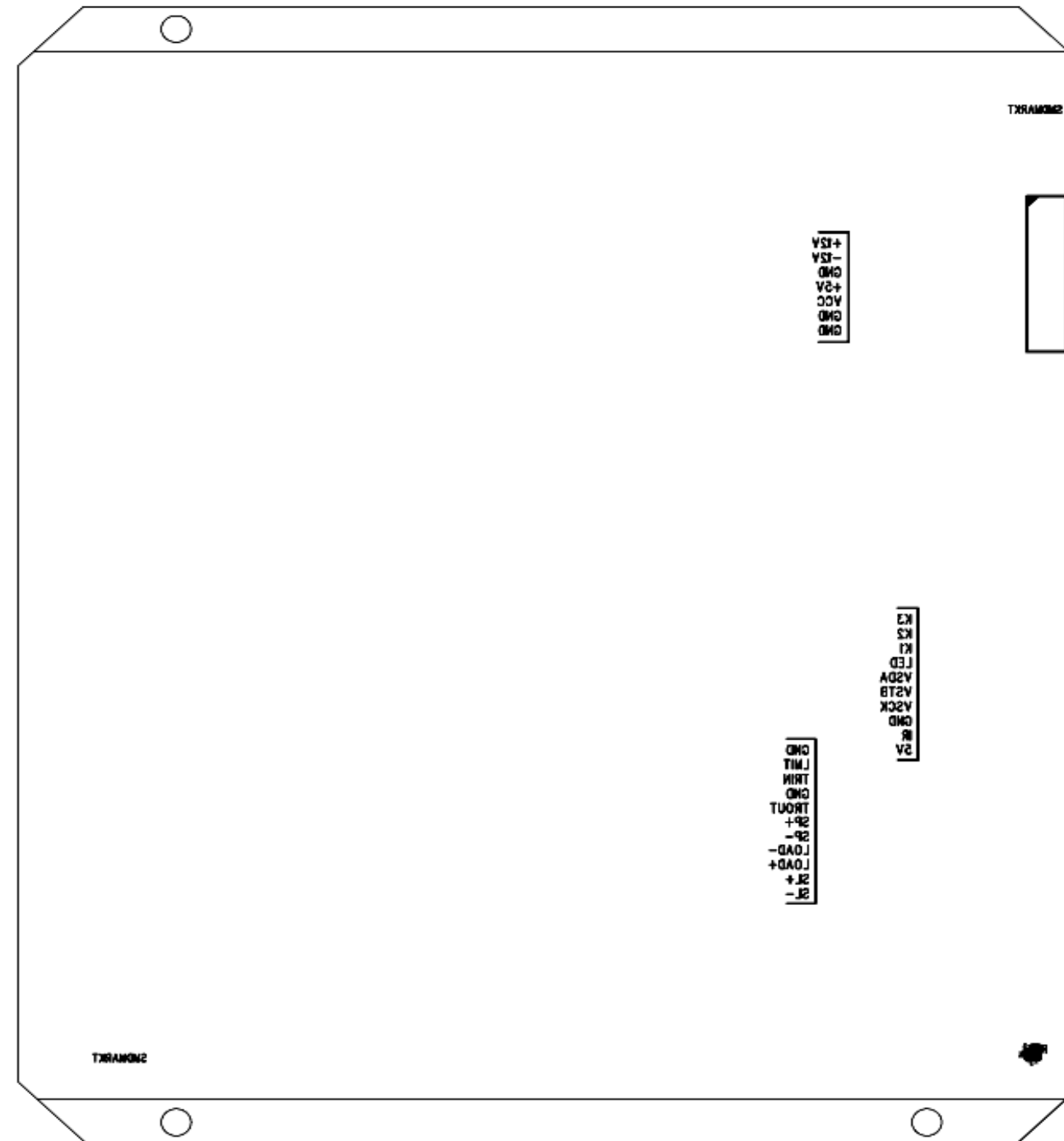
MAIN PCB



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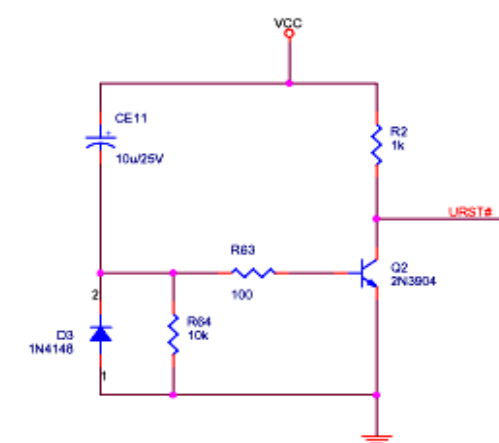
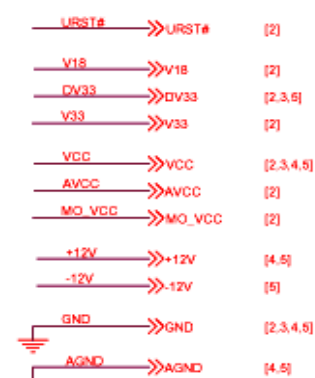
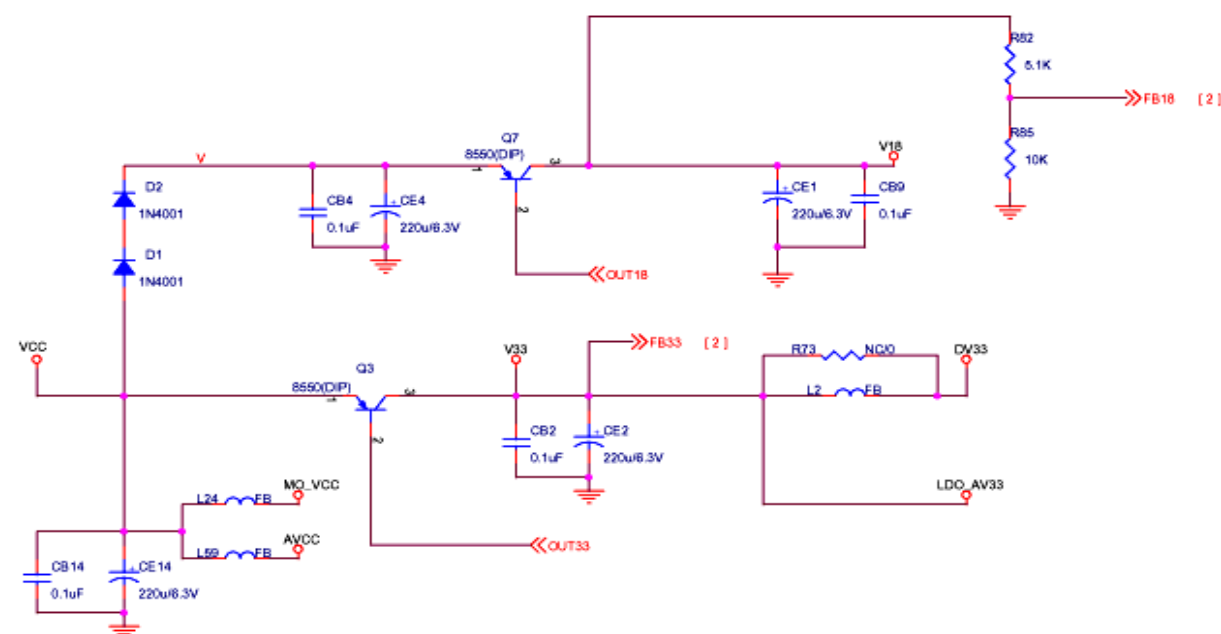
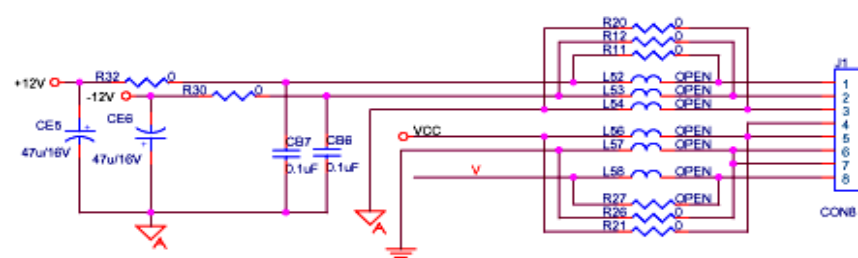
MAIN PCB

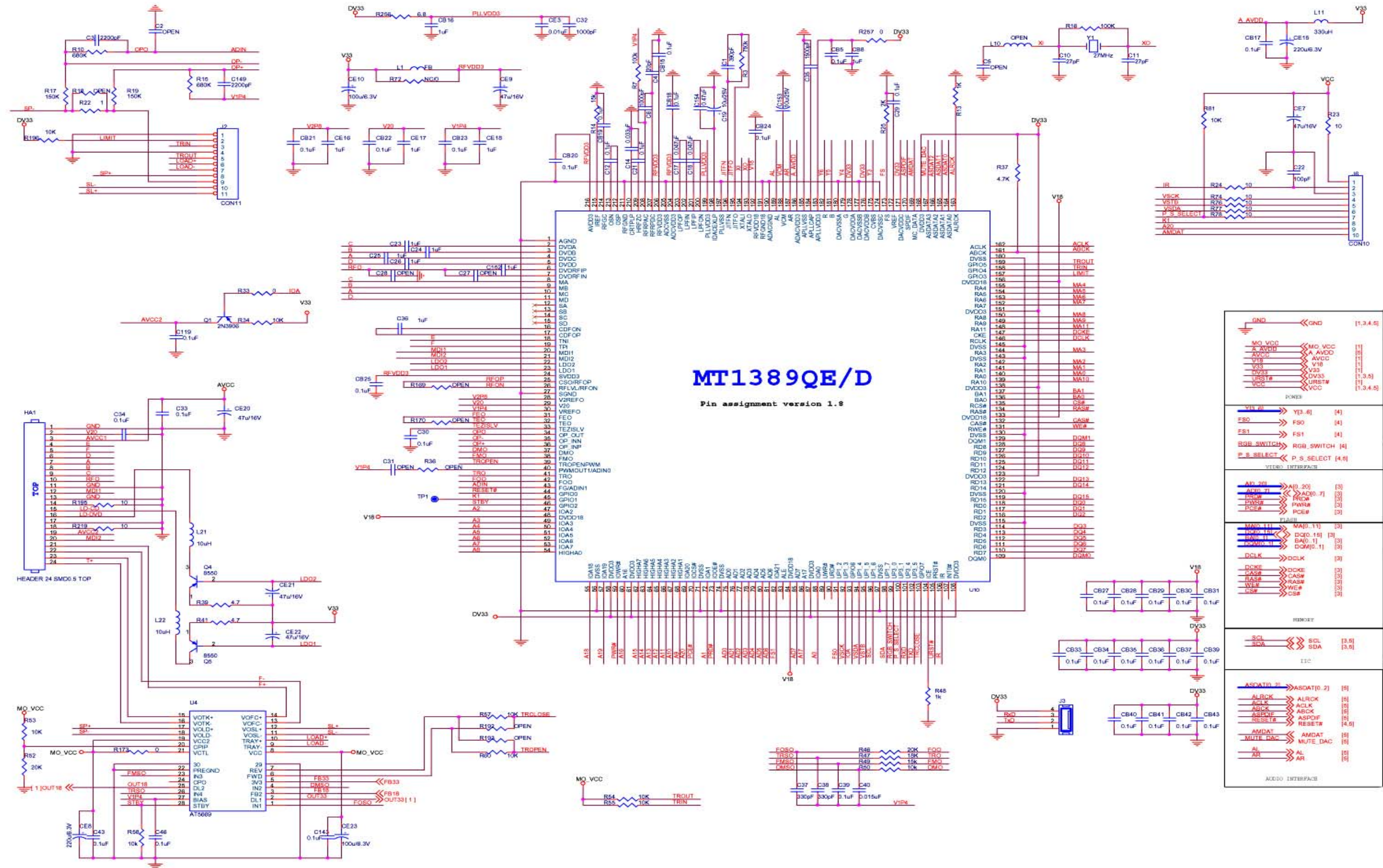


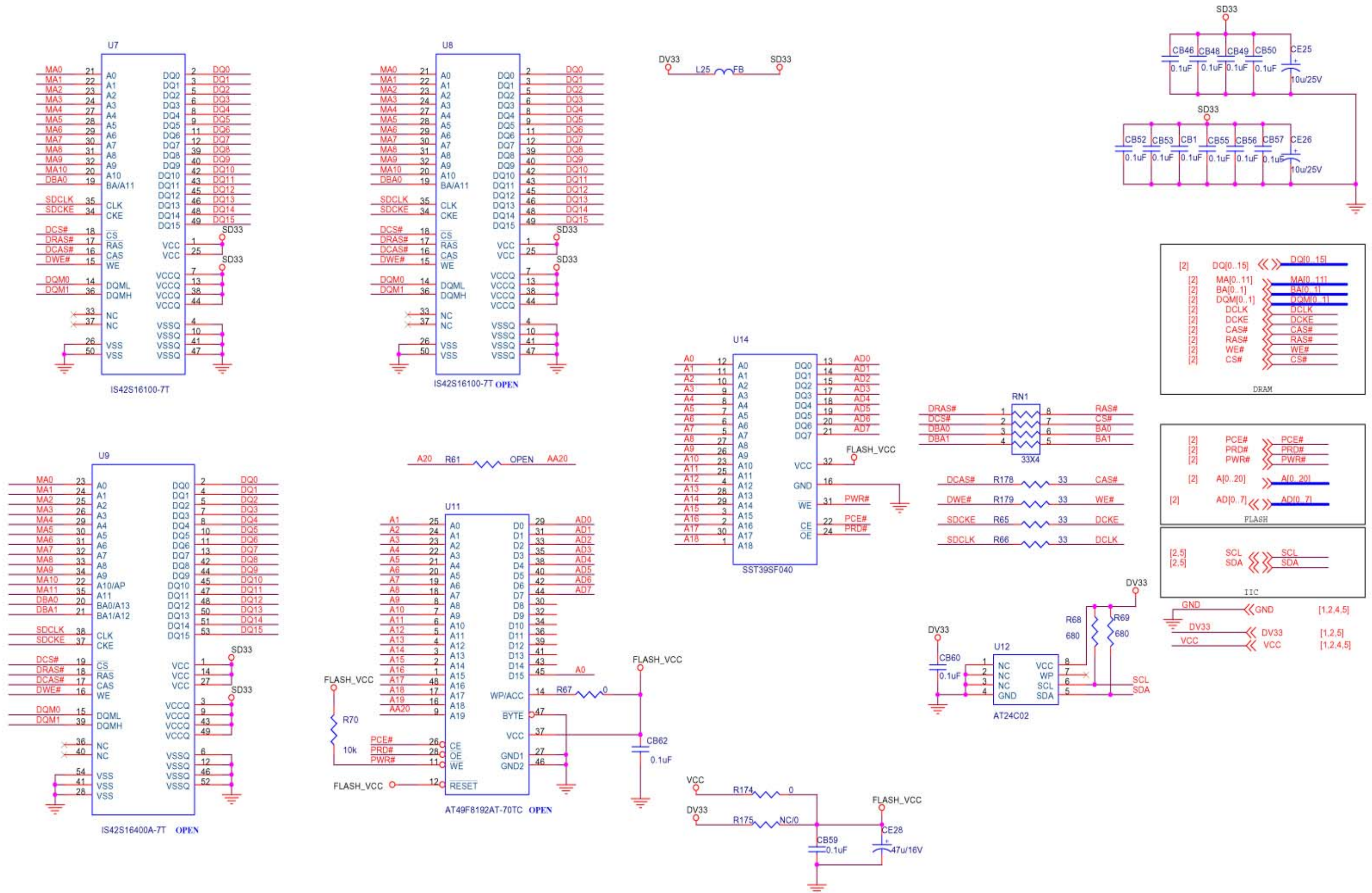
MT1389QE/D (LQFP216) DVD Demo Board for HOP1200
PUH

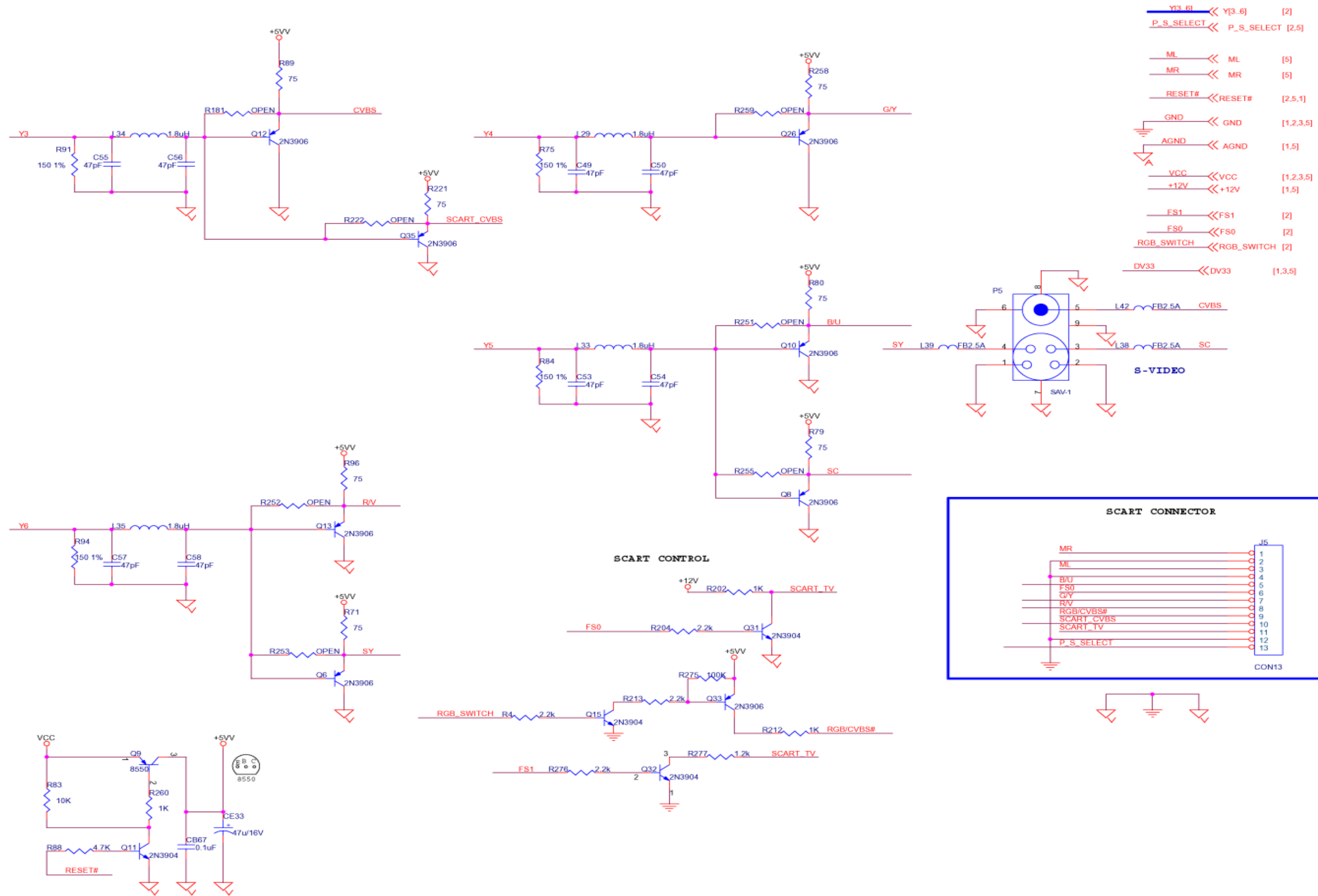
- | Rev | History | P# | Date |
|-----|------------------------|----|------|
| V1 | The original released. | | |
| | | | |

NAME	TYPE	DEVICE
VCC	Digital 5V	SUPPLY
DV33	Digital 3.3V	MT1389D
RFVDD3	Servo 3.3V	MT1389D
AVCC	RF 5V	PICKUP HEADER
MO_VCC	Motor 5V	Motor Driver
V18	Digital 1.8V	MT1389D
SD33	Digital 3.3V	SDRAM
+12V	Audio +12V	OP AMP.
-12V	Audio -12V	OP AMP.
A_AVDD	Audio 5V	Audio DAC
+5VV	Video 5V	Video Driver

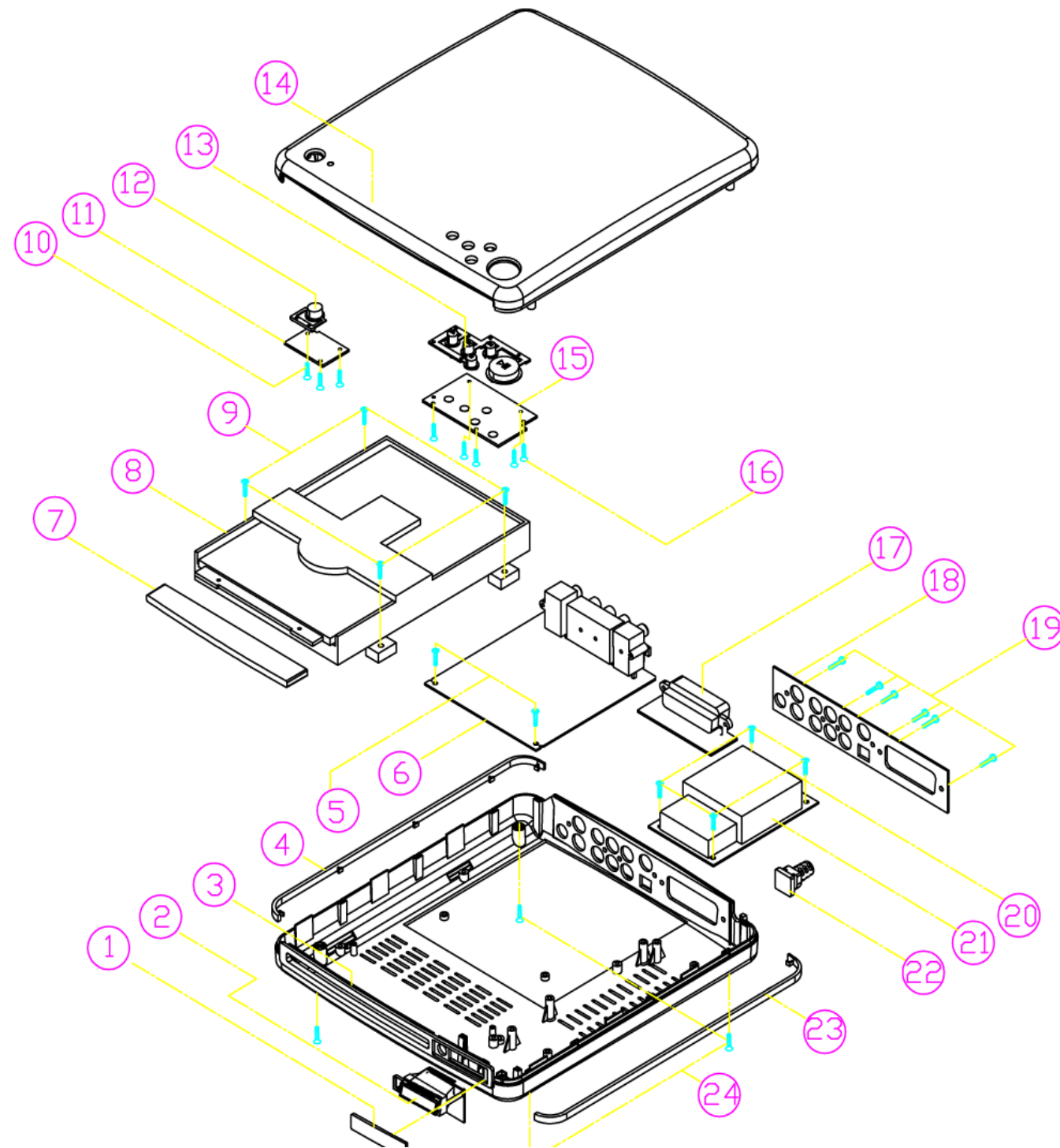








EXPLODED VIEW



PART LIST

NO	DESCRIPTIONS	QTY
1	Display lens	1
2	LCD Display PCB Ass'y	1
3	Bottom cabinet	1
4	Left decorative	1
5	Screw T3.0 X 6BT slf-tapping	2
6	MPEG board Ass'y	1
7	CD Door	1
8	DVD mechanism	1
9	Screw M3.0 X 8BT self-tapping	4
10	Screw M2 X 5PT self-tapping	3
11	Power LED board Ass'y	1
12	Power knob	1
13	Function knob	1
14	Top cabinet	1
15	Key board Ass'y	1
16	Screw M2 X5PT self-tapping	5
17	21 Scart Ass'y	1
18	Jack plate inlay	1
19	Screw M3.0 X 8BT self-tapping	6
20	Screw M3.0 X 8BT self-tapping	4
21	Power supply PCB Ass'y	1
22	Power cord VDE	1
23	Right decorative	1
24	Screw M3.0 X 8BT self-tapping	4

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