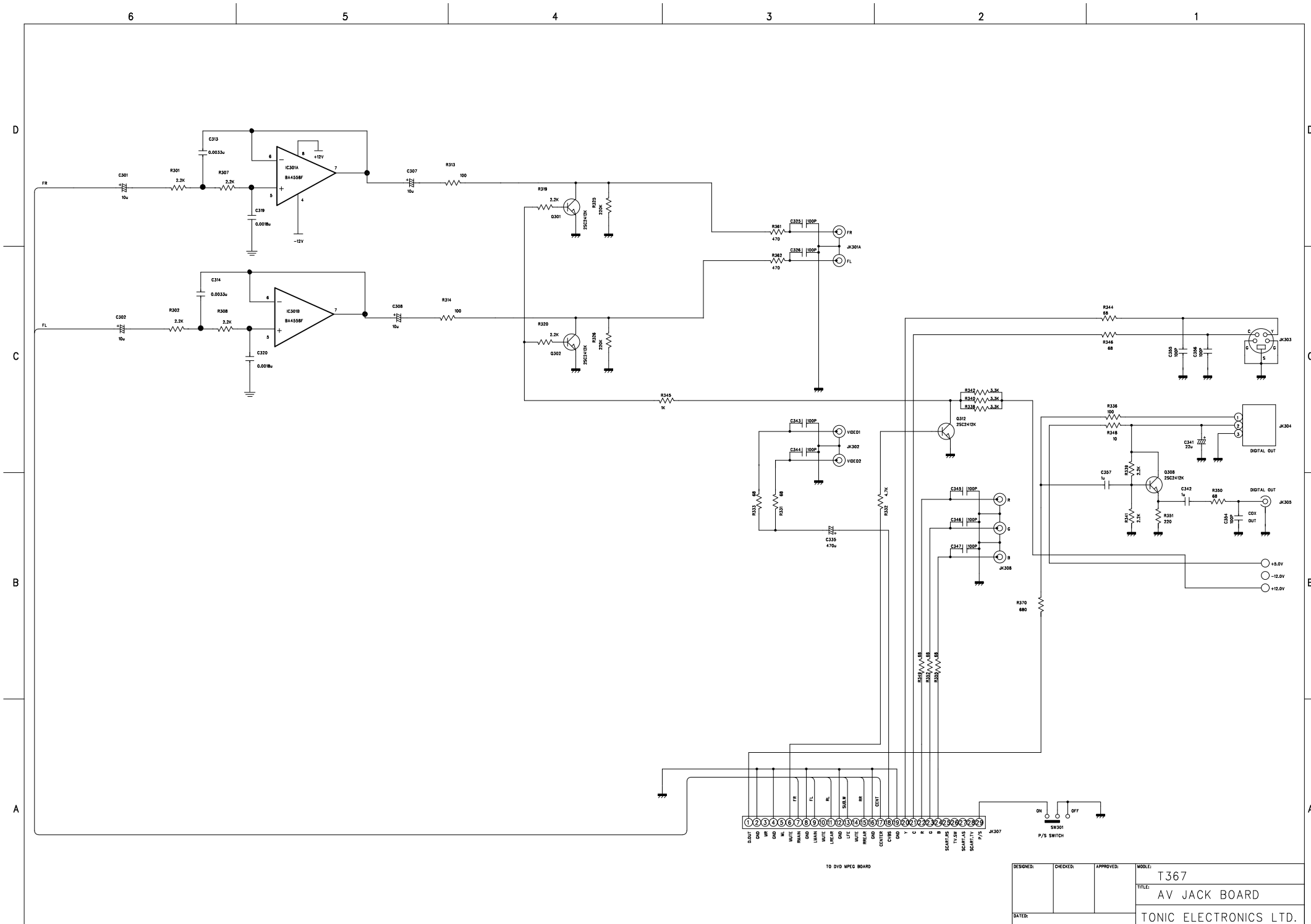
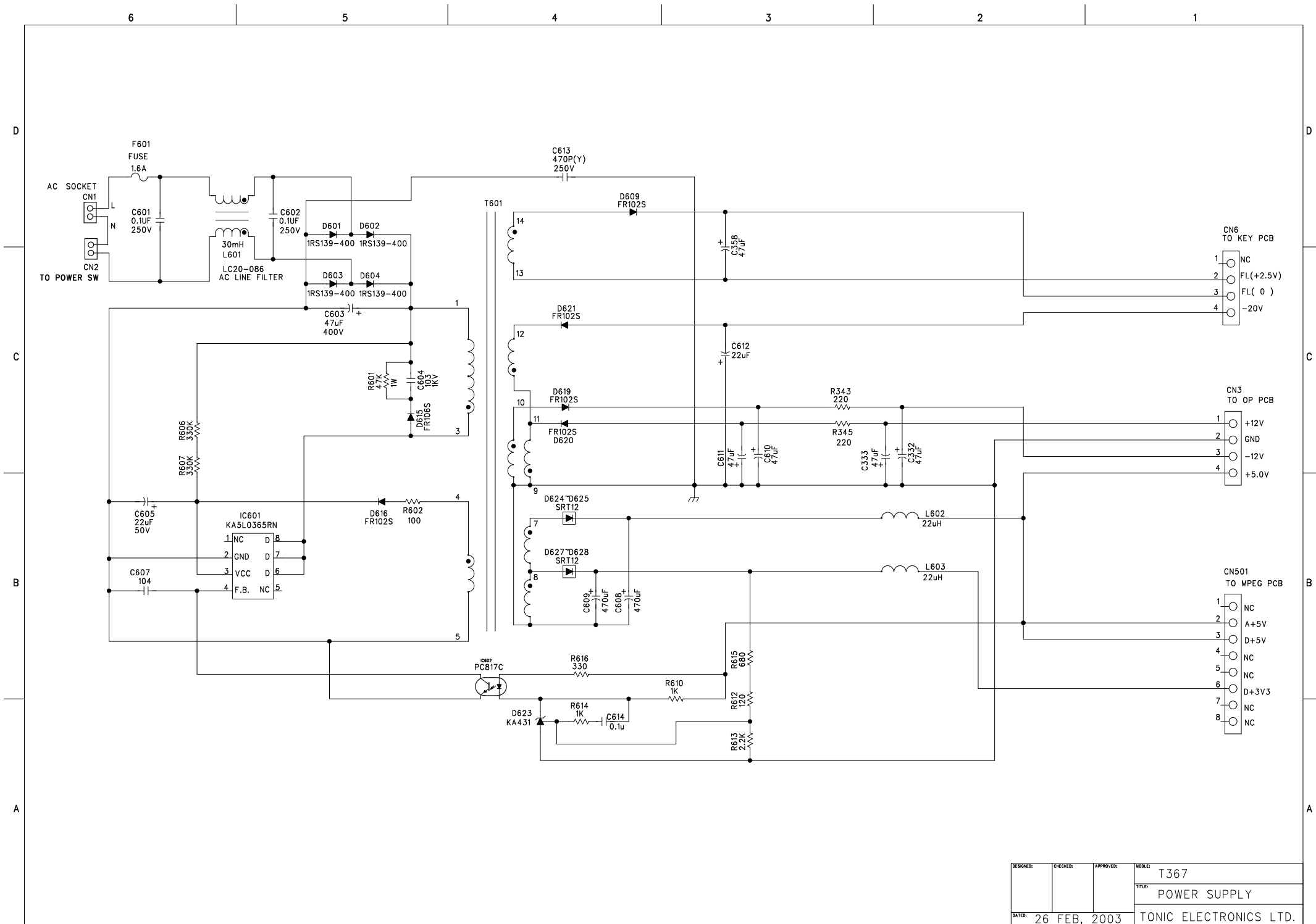


DESIGNED:	CHECKED:	APPROVED:	MODEL: T367
			TITLE: DISPLAY
DATE:			TONIC ELECTRONICS LTD.





# MT1379E (LQFP216-0.4) DVD MP Board for Sanyo PUH

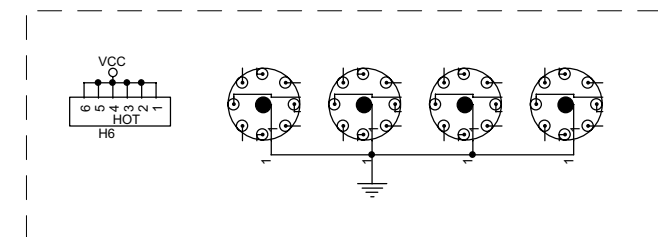
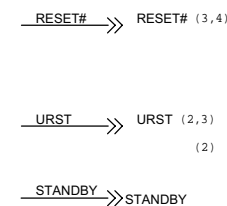
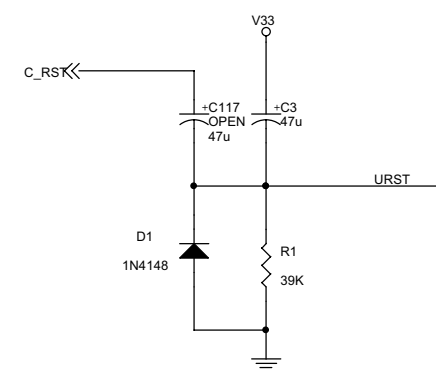
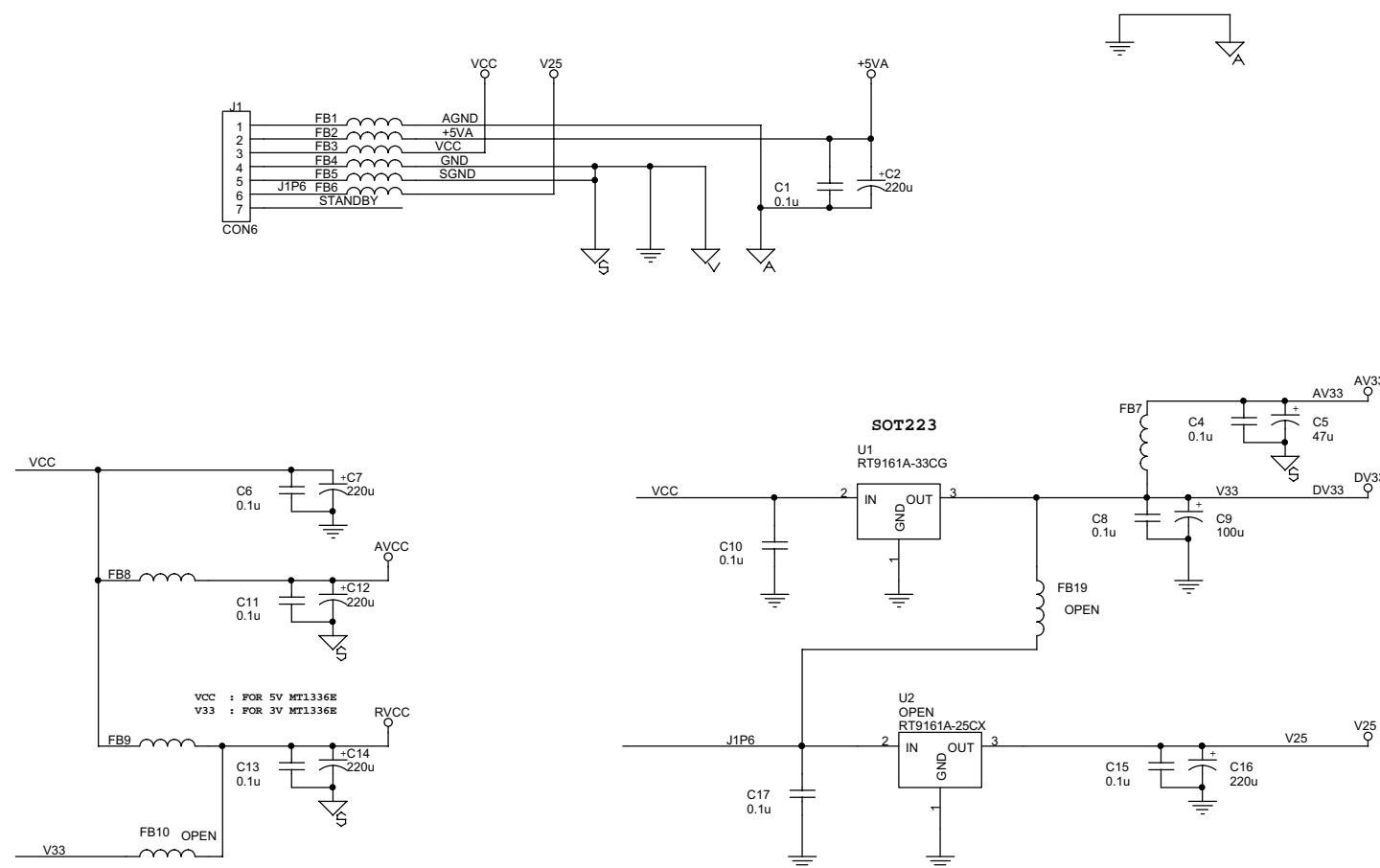
- 1 INDEX & POWER, RESET
- 2 RF / SERVO & MPEG - MT1336E / MT1379E
- 3 MEMORY - SDRAM, FLASH/EEPROM
- 4 AUDIO DAC CS4340 OR CS4360

## Layout consideration

1. Audio ground & digital ground should be connected at one point, either at power connector or underneath Audio DAC.
2. For EMC consideration, all power supply lines should have serial ferrite beads, laid as close to the chip as possible.
3. All the clock signals should have contain 33 ohm serial resistors, as close to the source as possible.
4. Digital ground should be connected the chassis ground at one point.
5. Make sure digital signals do not cross the analog boundaries.

NAME	TYPE	DEVICE
VCC	Digital 5V	SUPPLY
RVCC	Servo 5V	MT1336E
AVCC	RF 5V	PICKUP HEADER
V33	Digital 3.3V	SDRAM, Flash, VideoDAC
DV33	Digital 3.3V	MT1379E
AV33	Servo 3.3V	MT1379E
V25	Digital 2.5V	MT1379E
+5VA	Audio 5V	Audio DAC

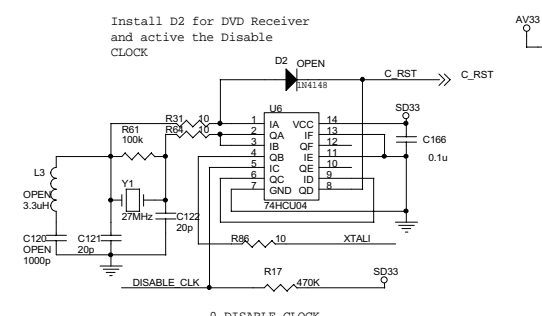
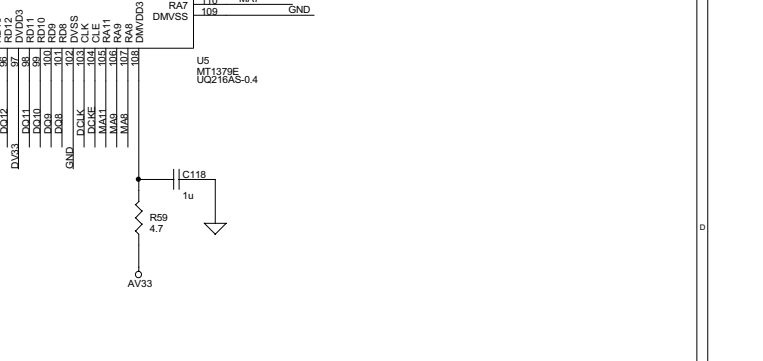
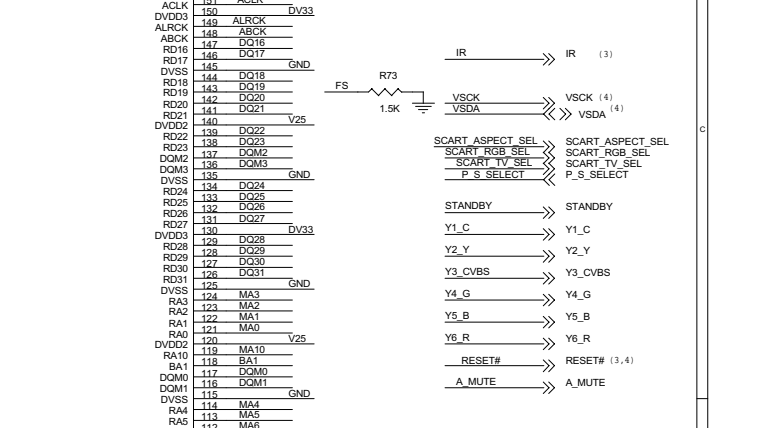
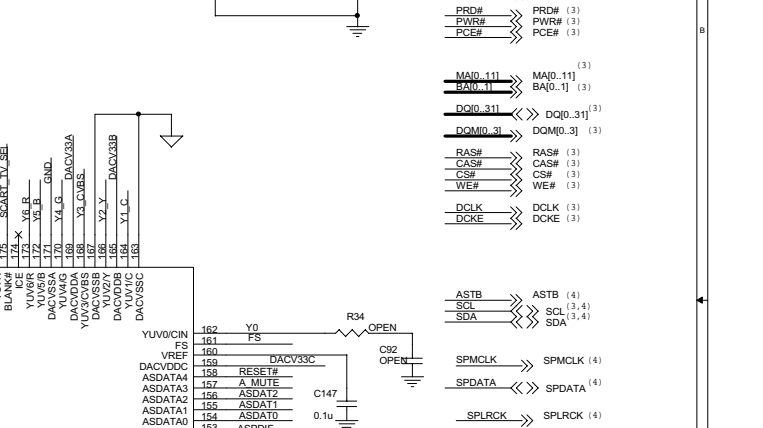
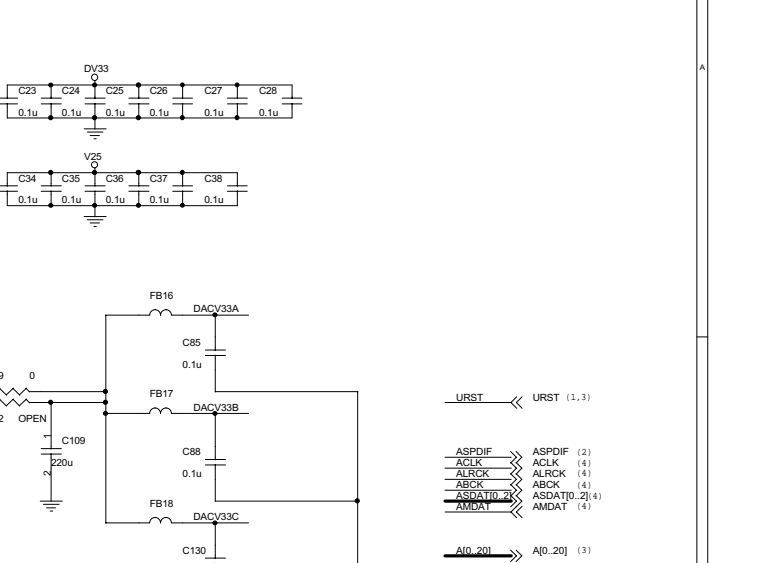
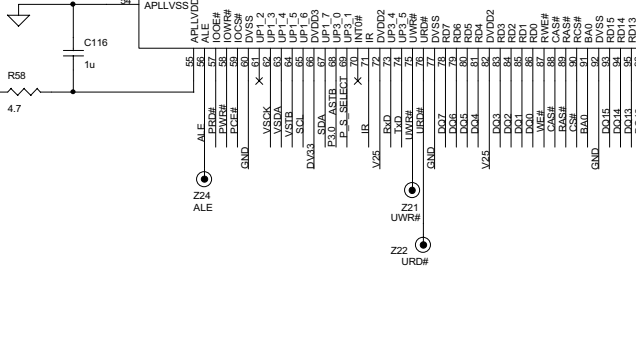
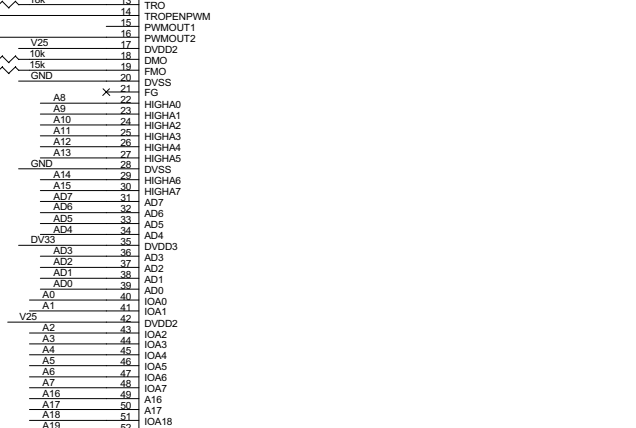
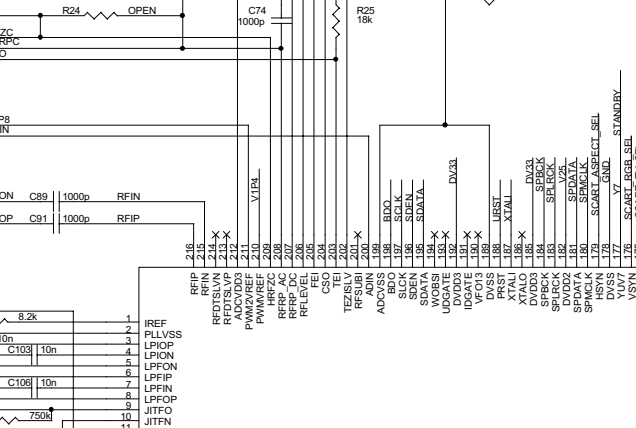
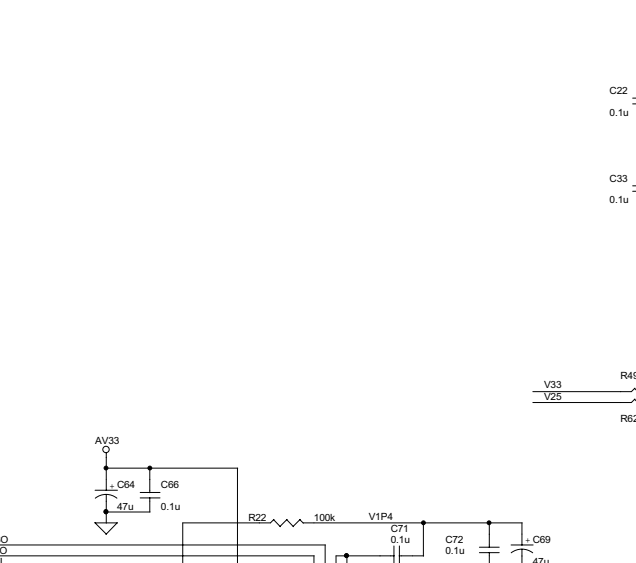
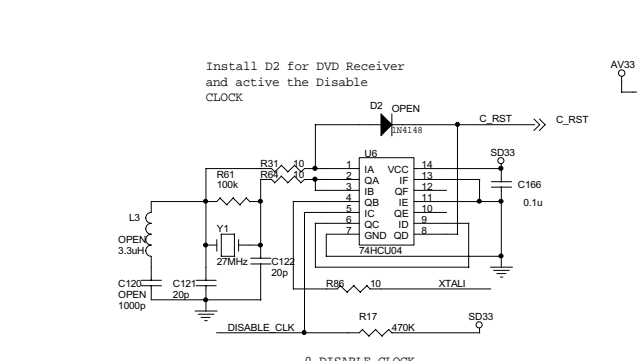
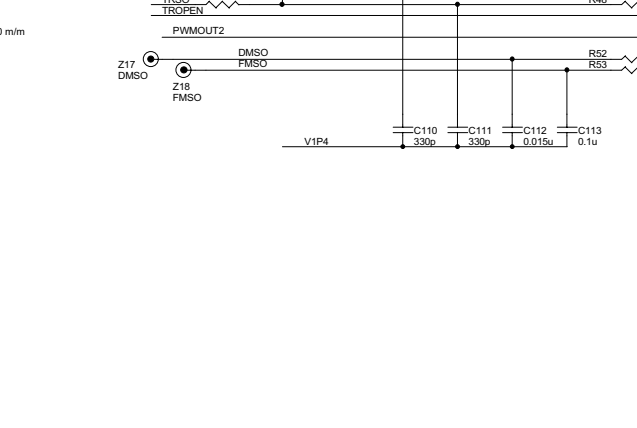
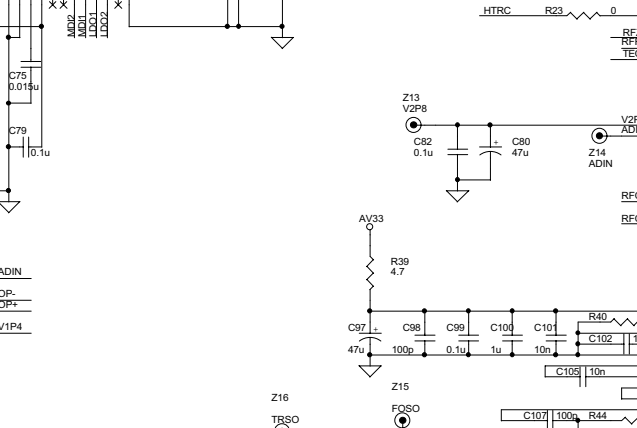
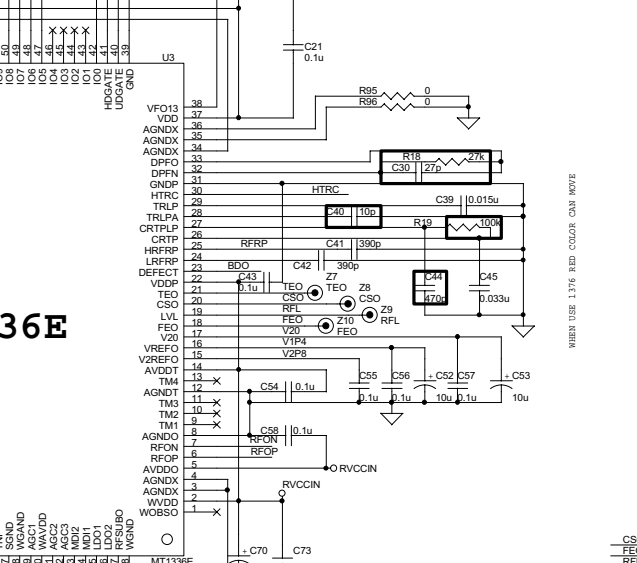
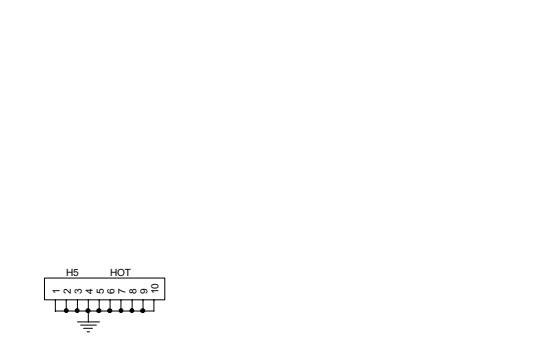
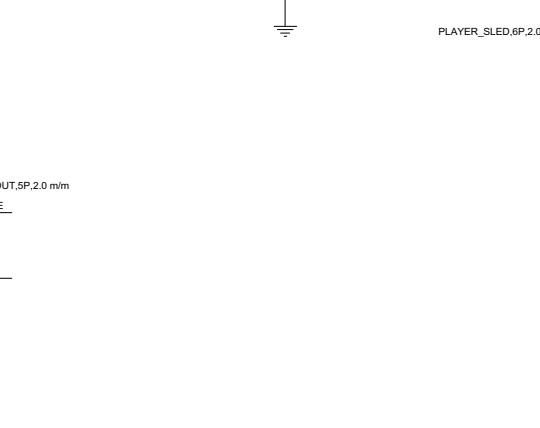
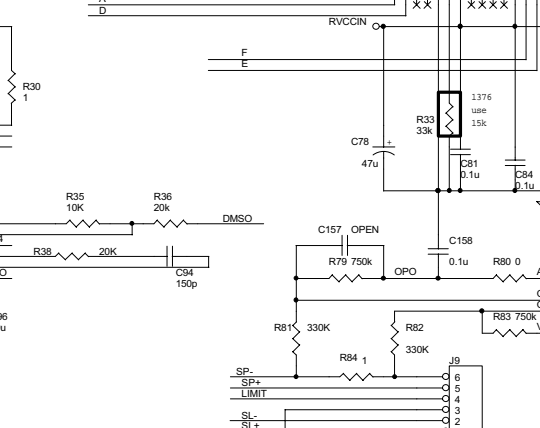
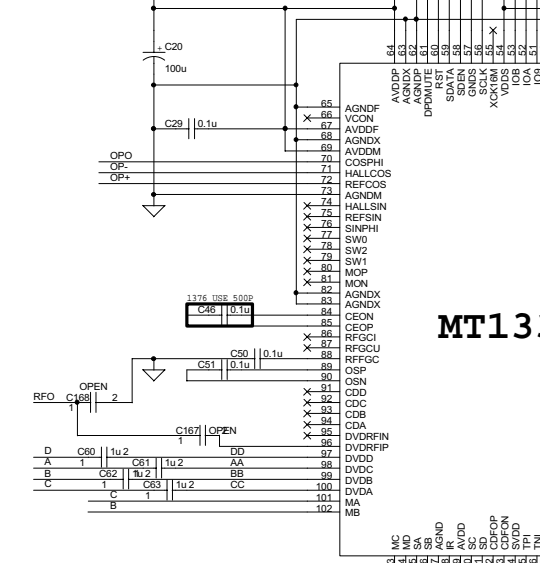
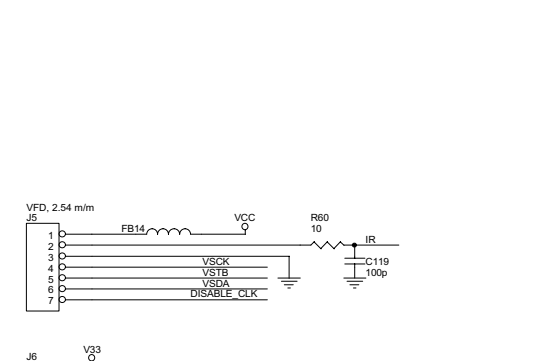
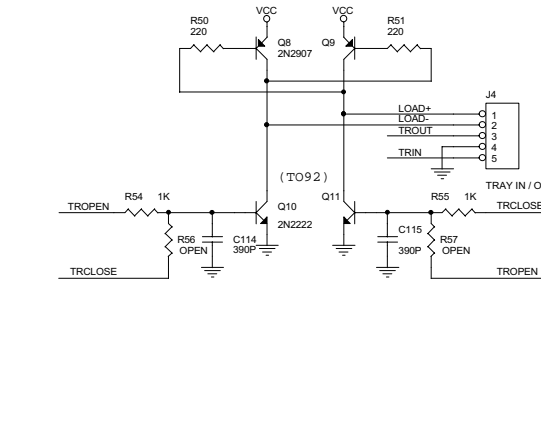
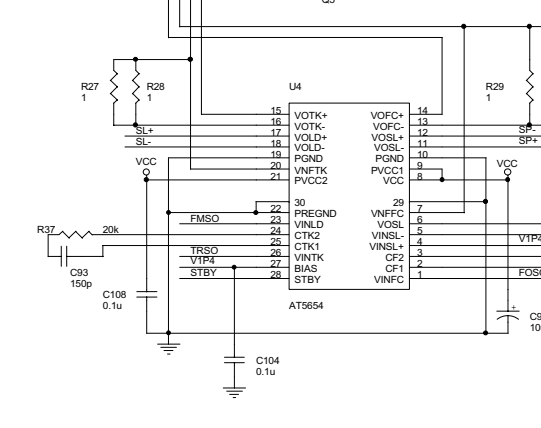
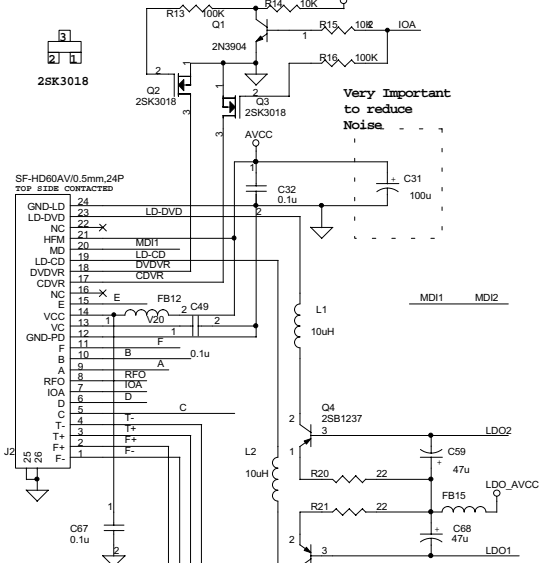
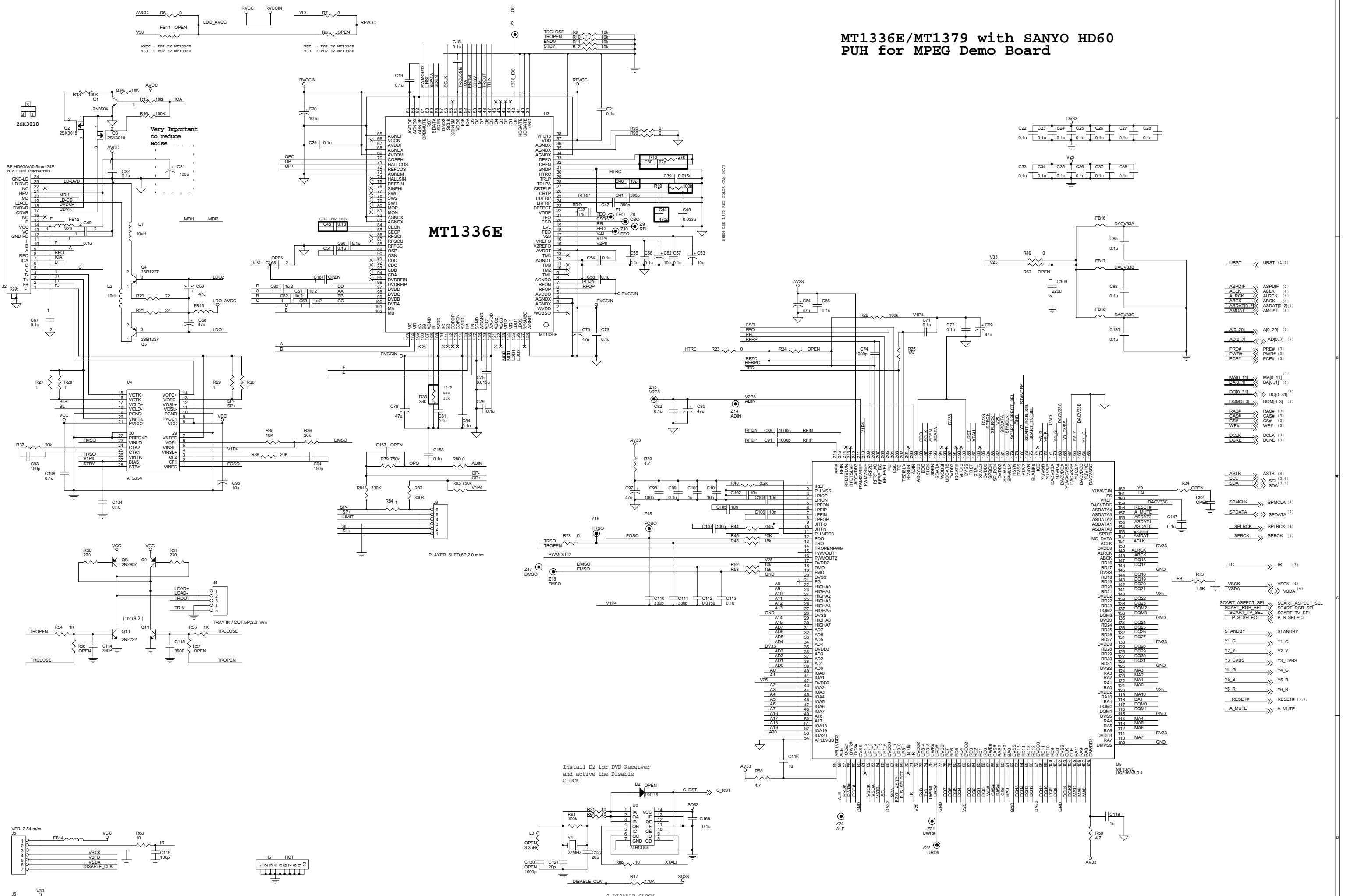
NAME	TYPE
GND	Digital Ground
SGND	Servo Analog Ground
AGND	Audio Ground
VGND	Video Ground

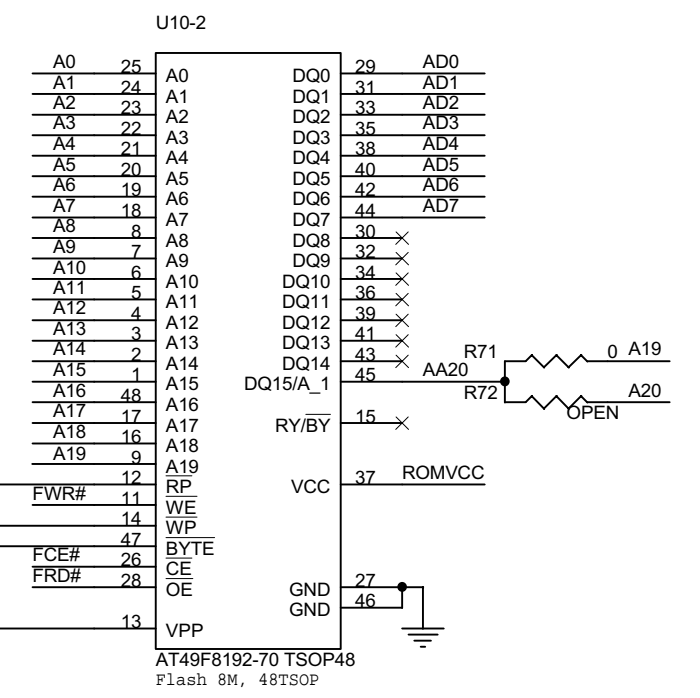
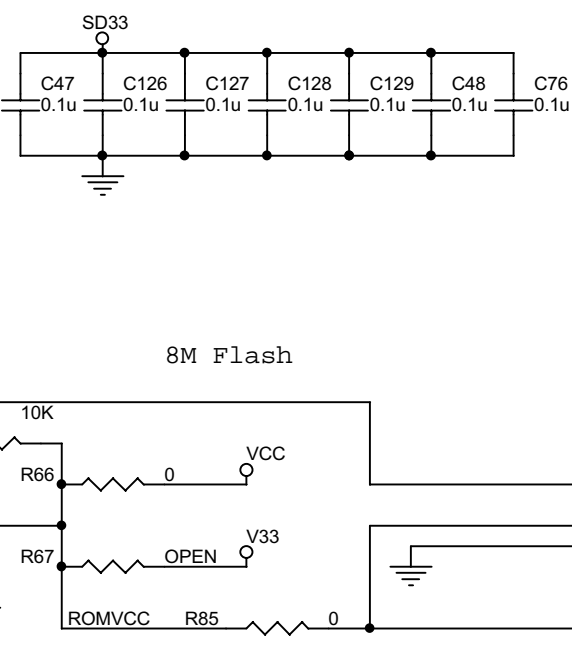
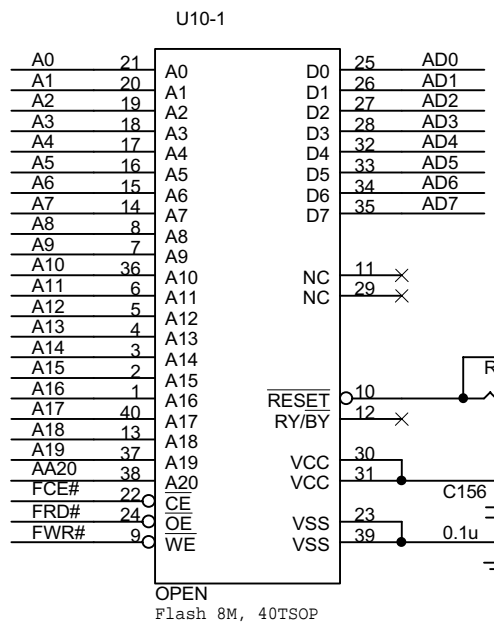
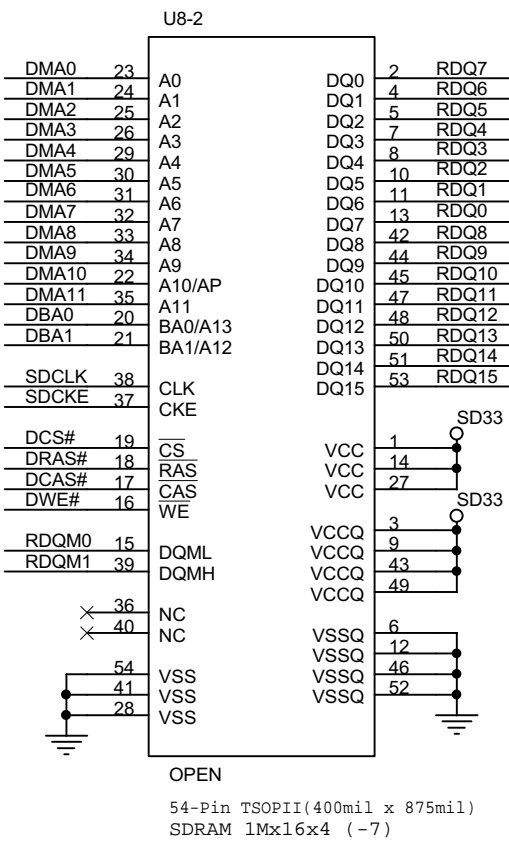
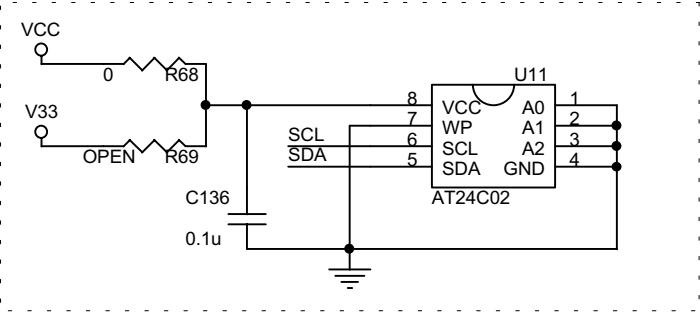
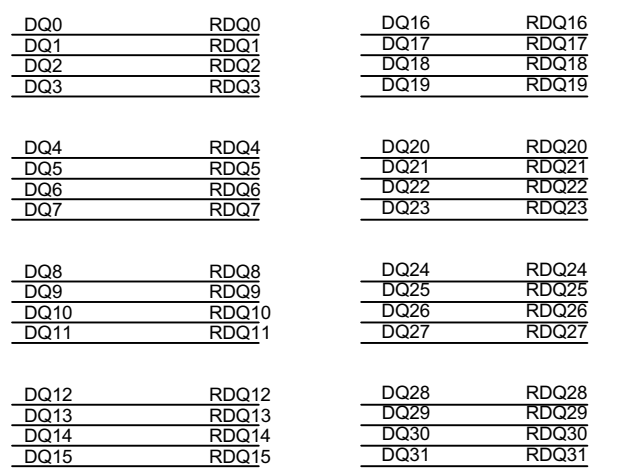
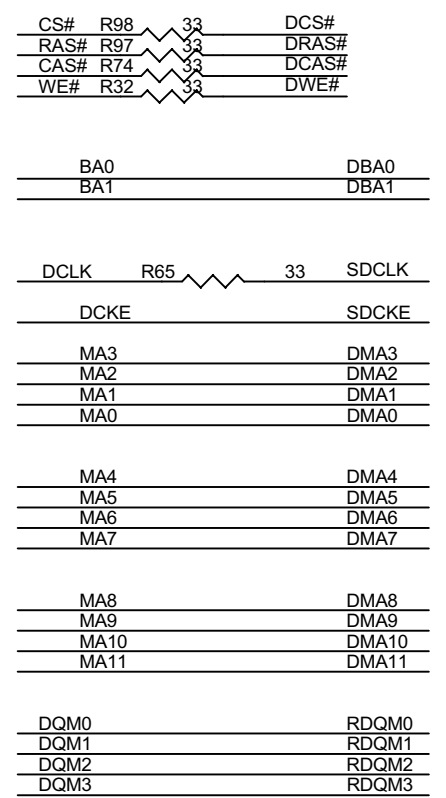
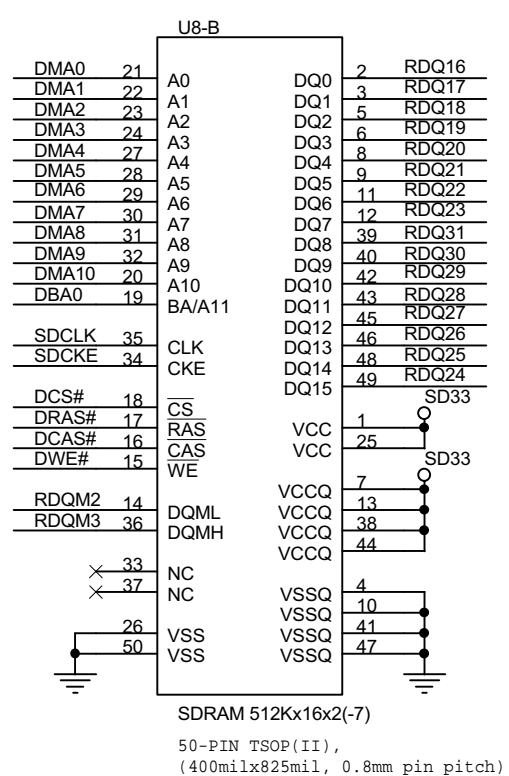
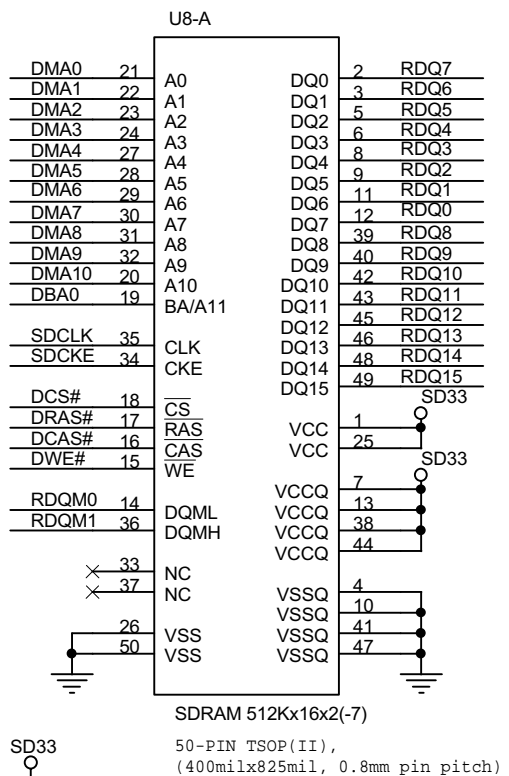
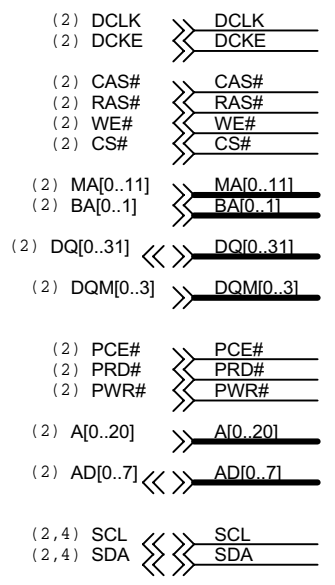
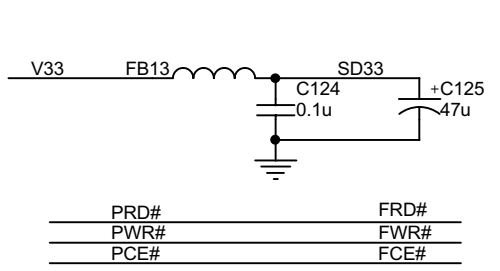


MediaTek Inc. / E-Smart

Title		Index
Size	Document Number	Rev
	MT1379E_216 MP Board (MT1379_HD60_E1T3.DSN)	E1T3
Date:	Saturday, September 28, 2002	Sheet 1 of 4

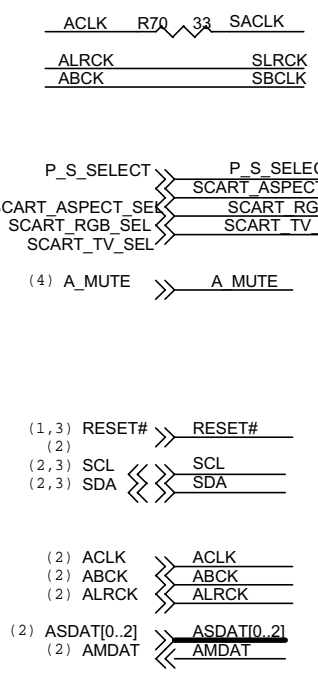
# MT1336E/MT1379 with SANYO HD60 PUH for MPEG Demo Board



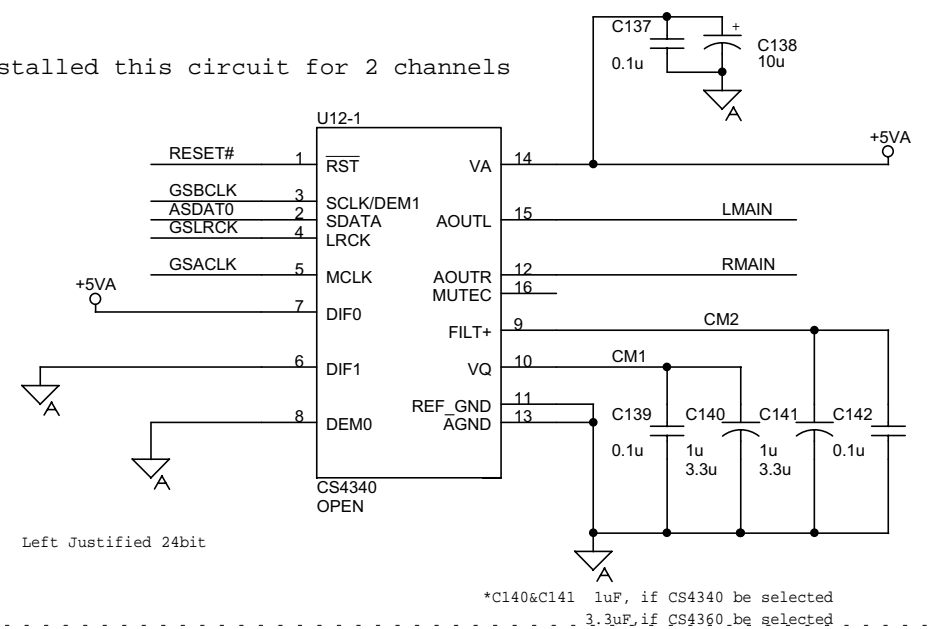


**MediaTek Inc. / E-Smart**

Title		
Memory		
Size	Document Number	Rev
	MT1379E_216 MP Board (MT1379_HD60_E1T3.DSN)	E1T3
Date:	Saturday, September 28, 2002	Sheet 3 of 4

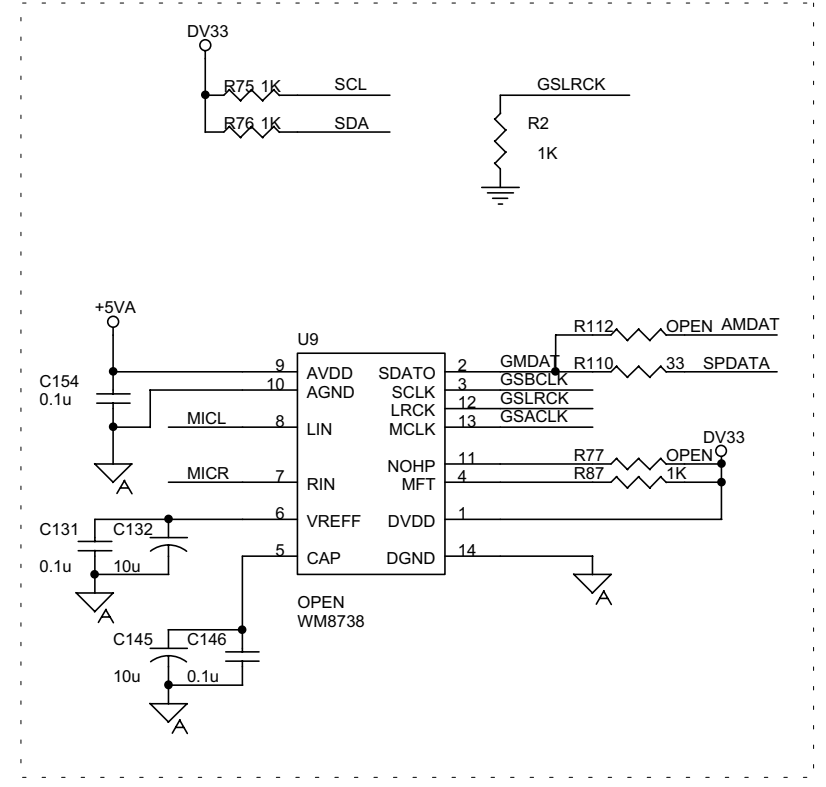
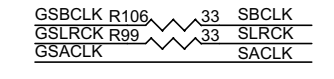
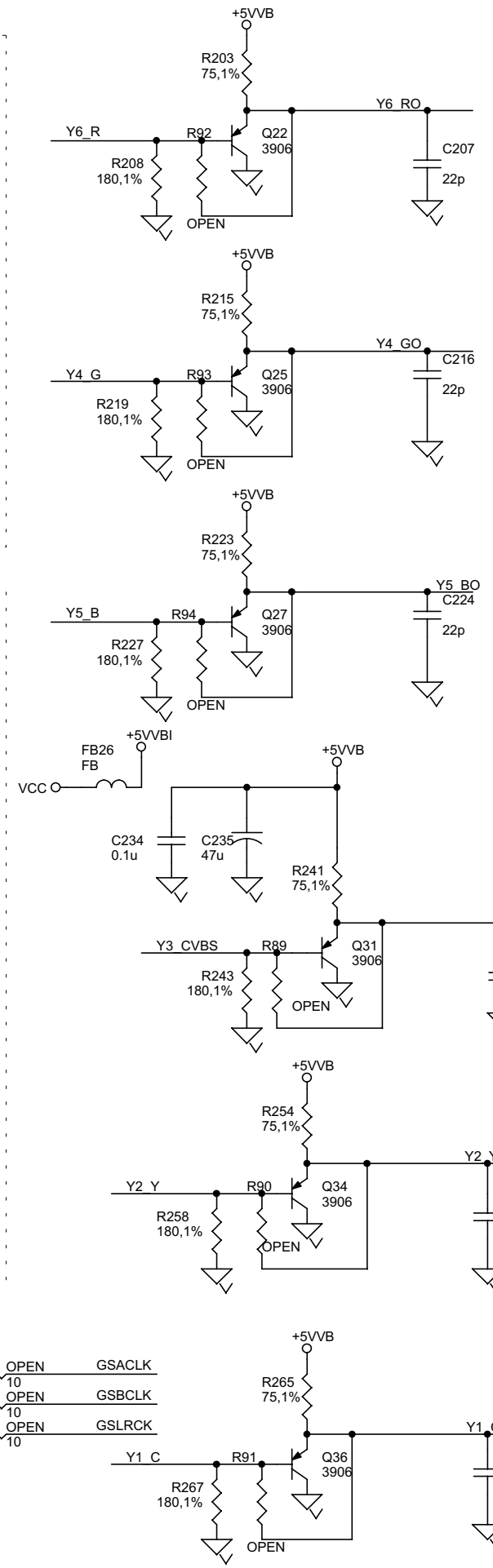
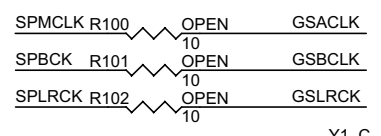
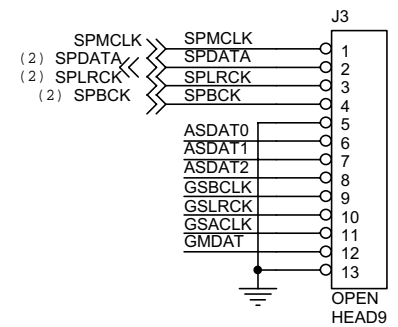
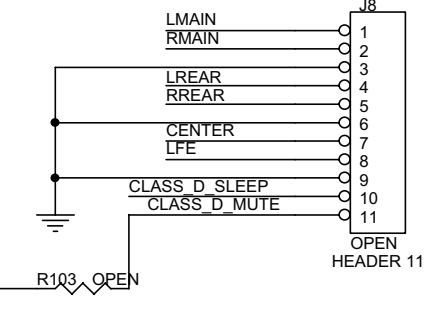
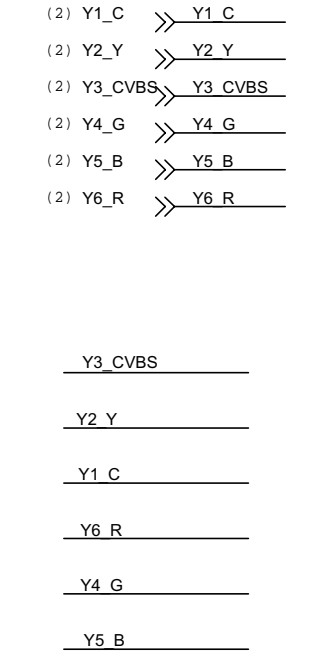
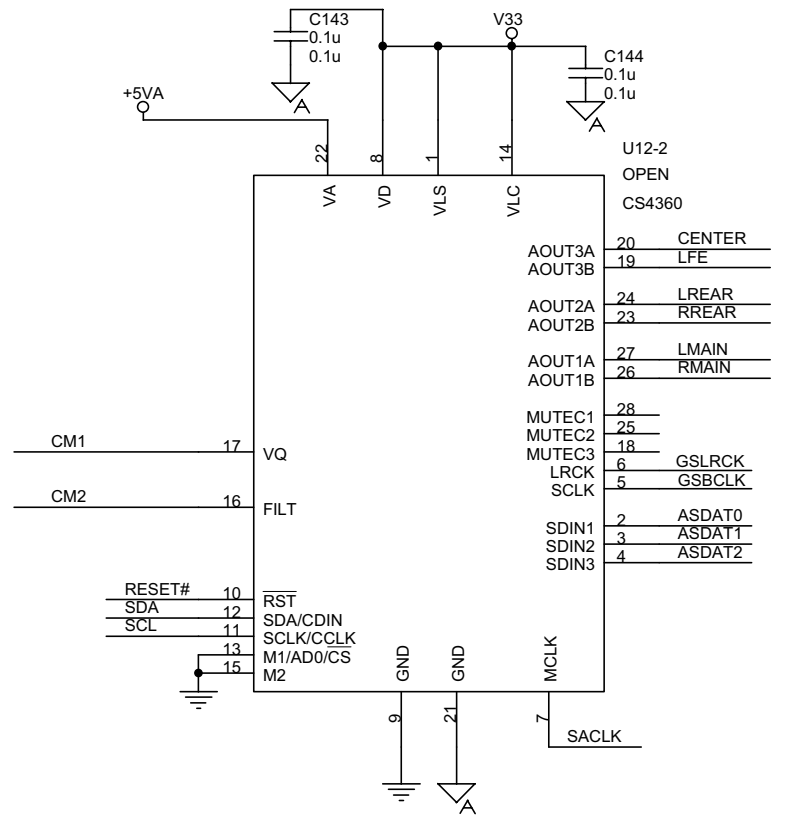


Installed this circuit for 2 channels

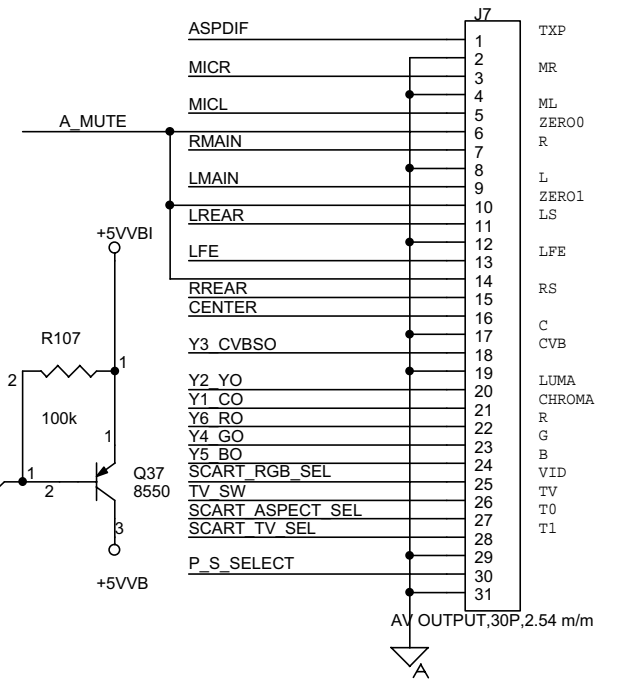


Left Justified 24bit

Installed this circuit for 5.1 channels

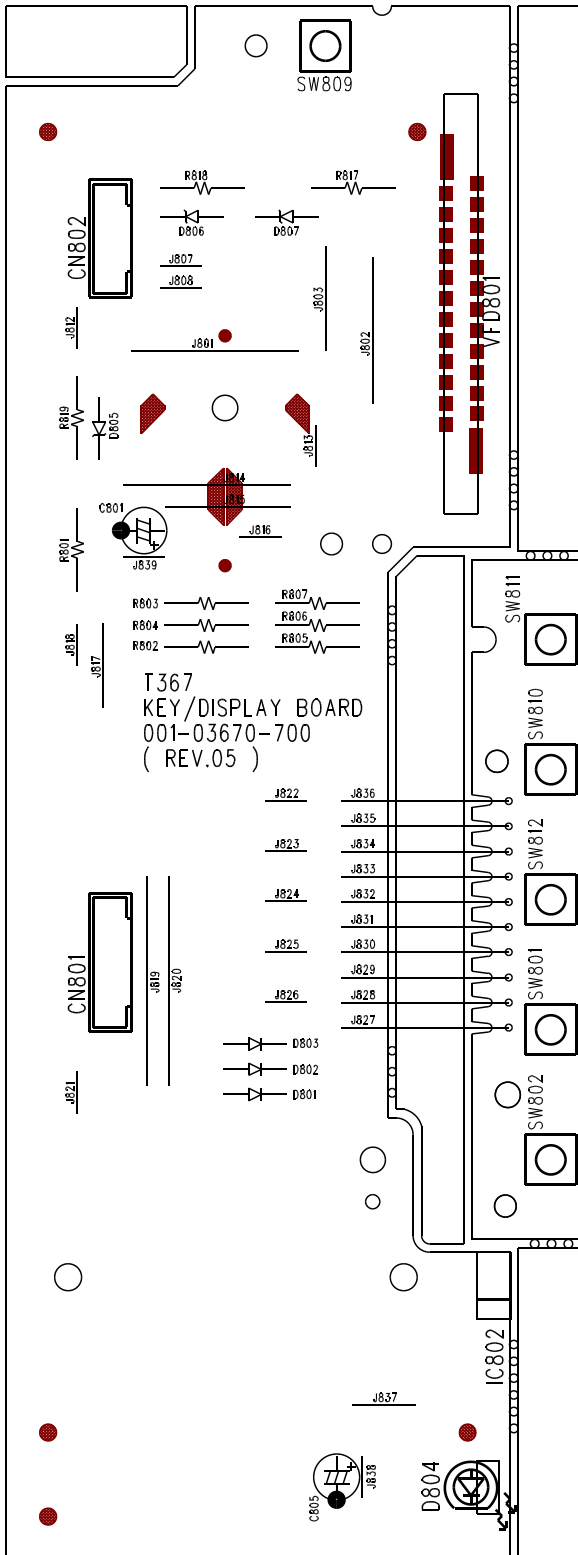


Installed this circuit for Audio AUX/MIC input

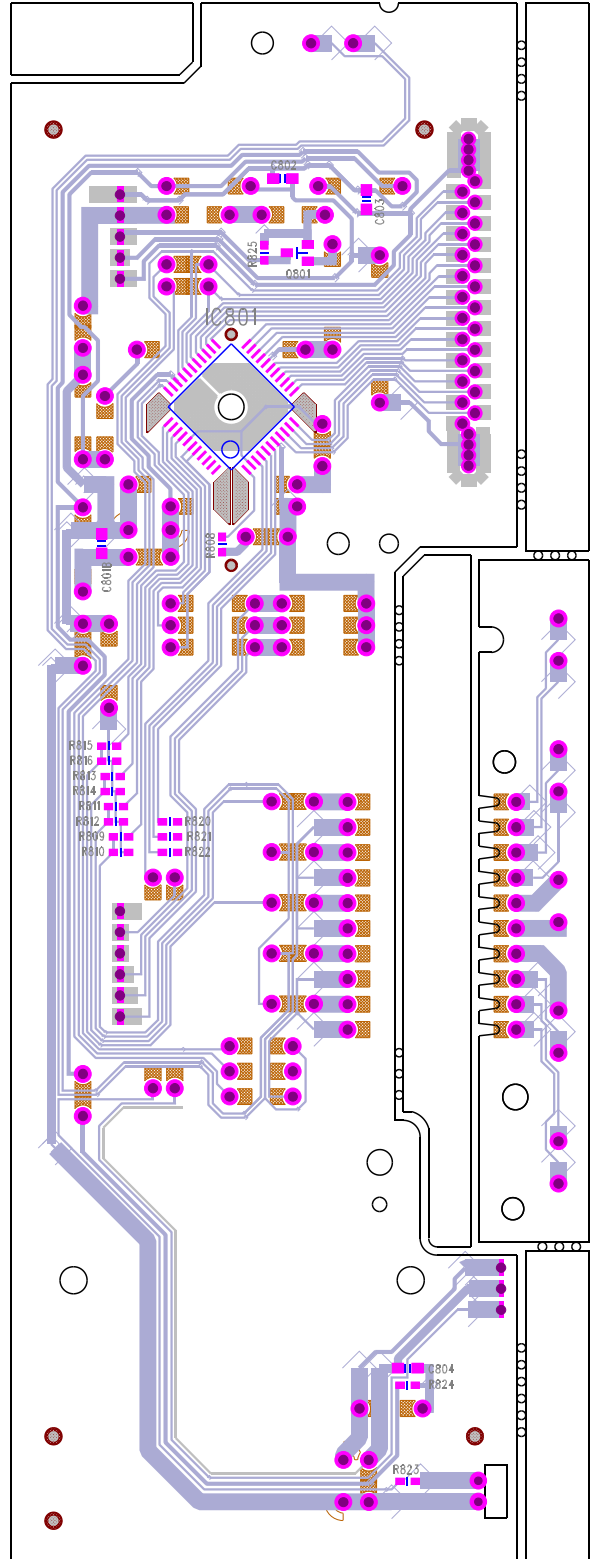


<b>MediaTek Inc. / E-Smart</b>		
Title	AV DAC	
Size	Document Number	Rev
	<b>MT1379E_216 MP Board (MT1379_HD60_E1T3.DSN)</b>	E1T3
Date:	Saturday, September 28, 2002	Sheet 4 of 4

# PRINTED CIRCUIT BOARDS



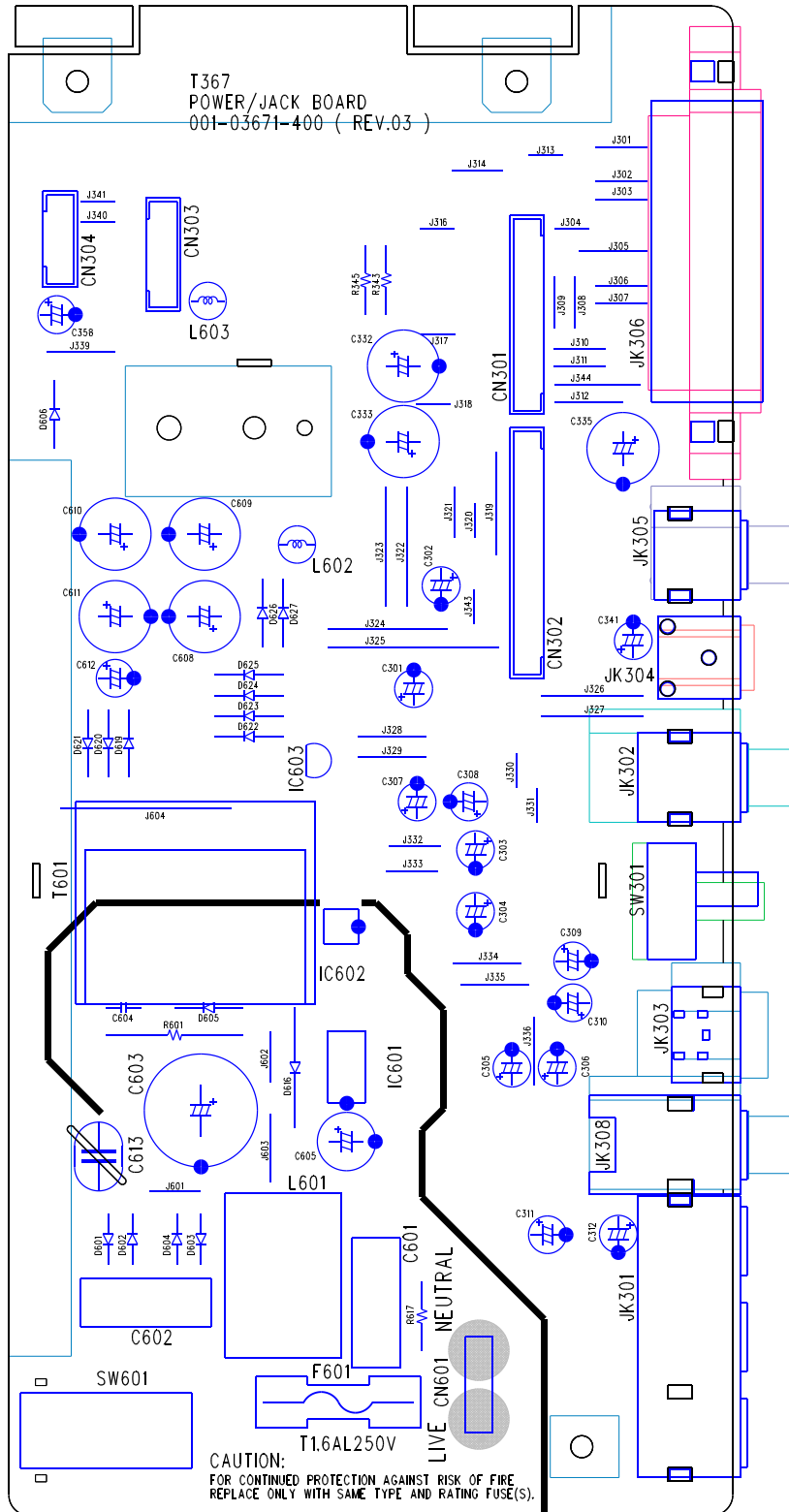
KEY/DISPLAY BOARD(TOP)



KEY/DISPLAY BOARD(BOTTOM)

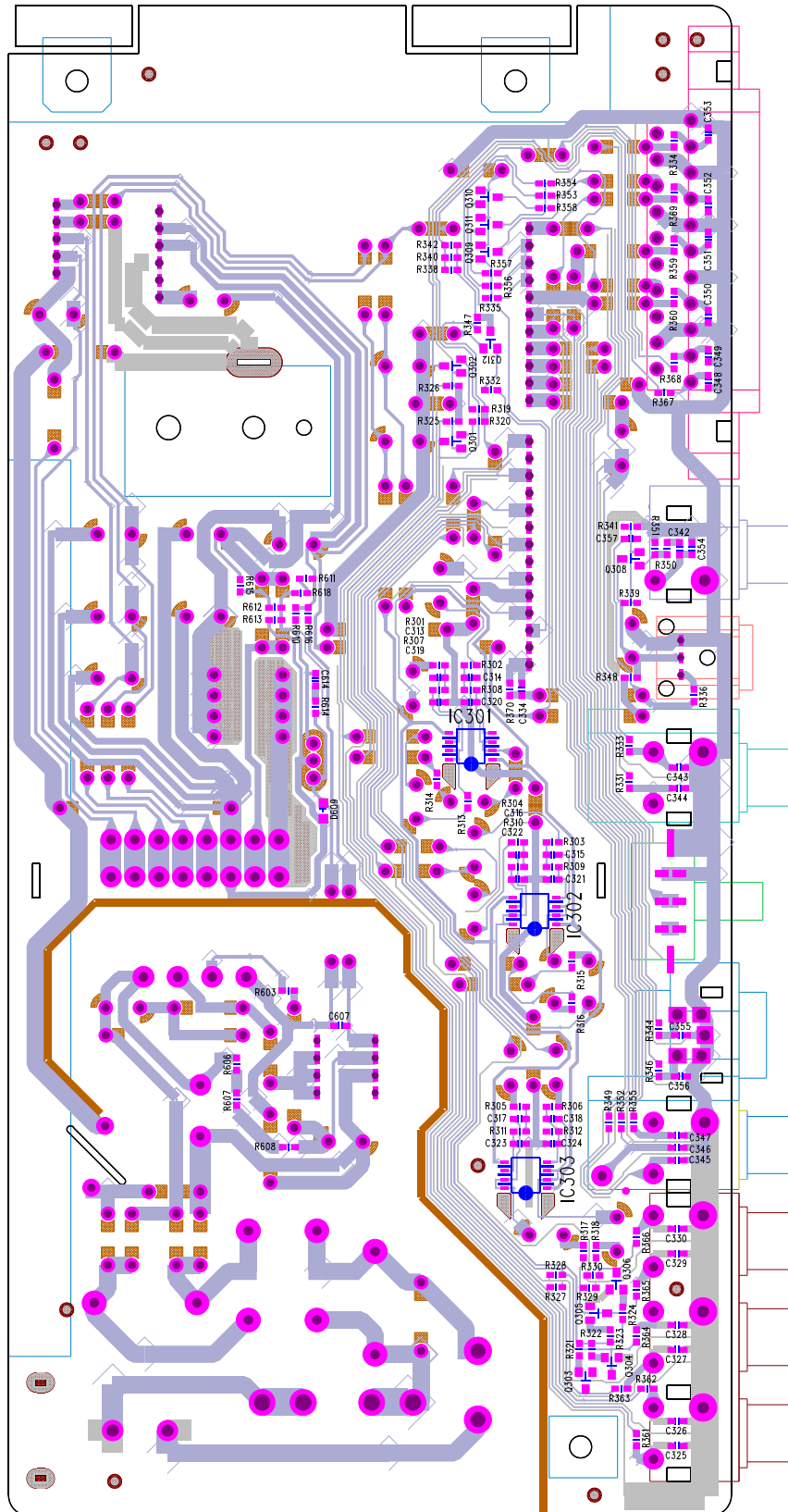


# PRINTED CIRCUIT BOARDS



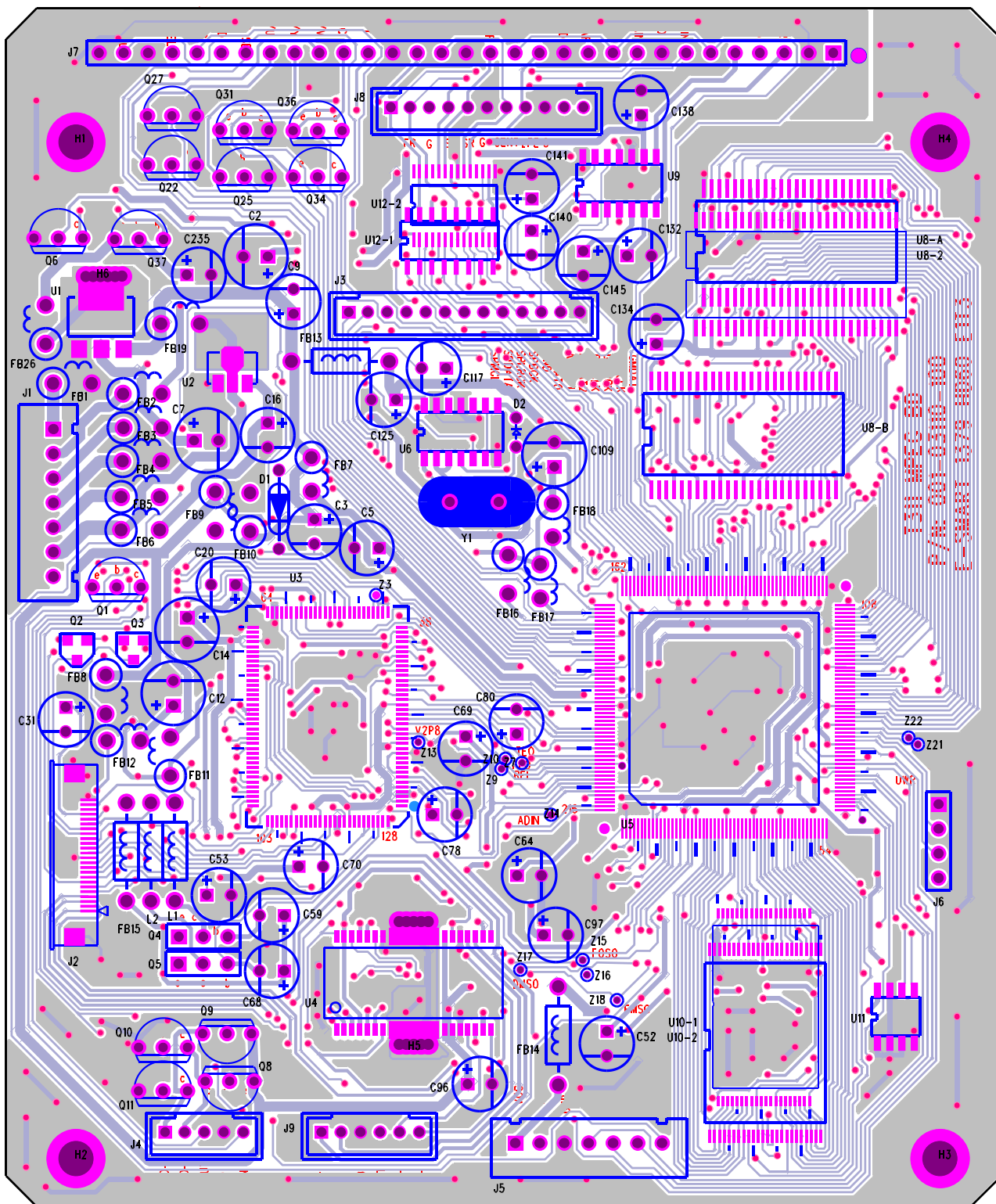
POWER/JACK BOARD(TOP)

# PRINTED CIRCUIT BOARDS



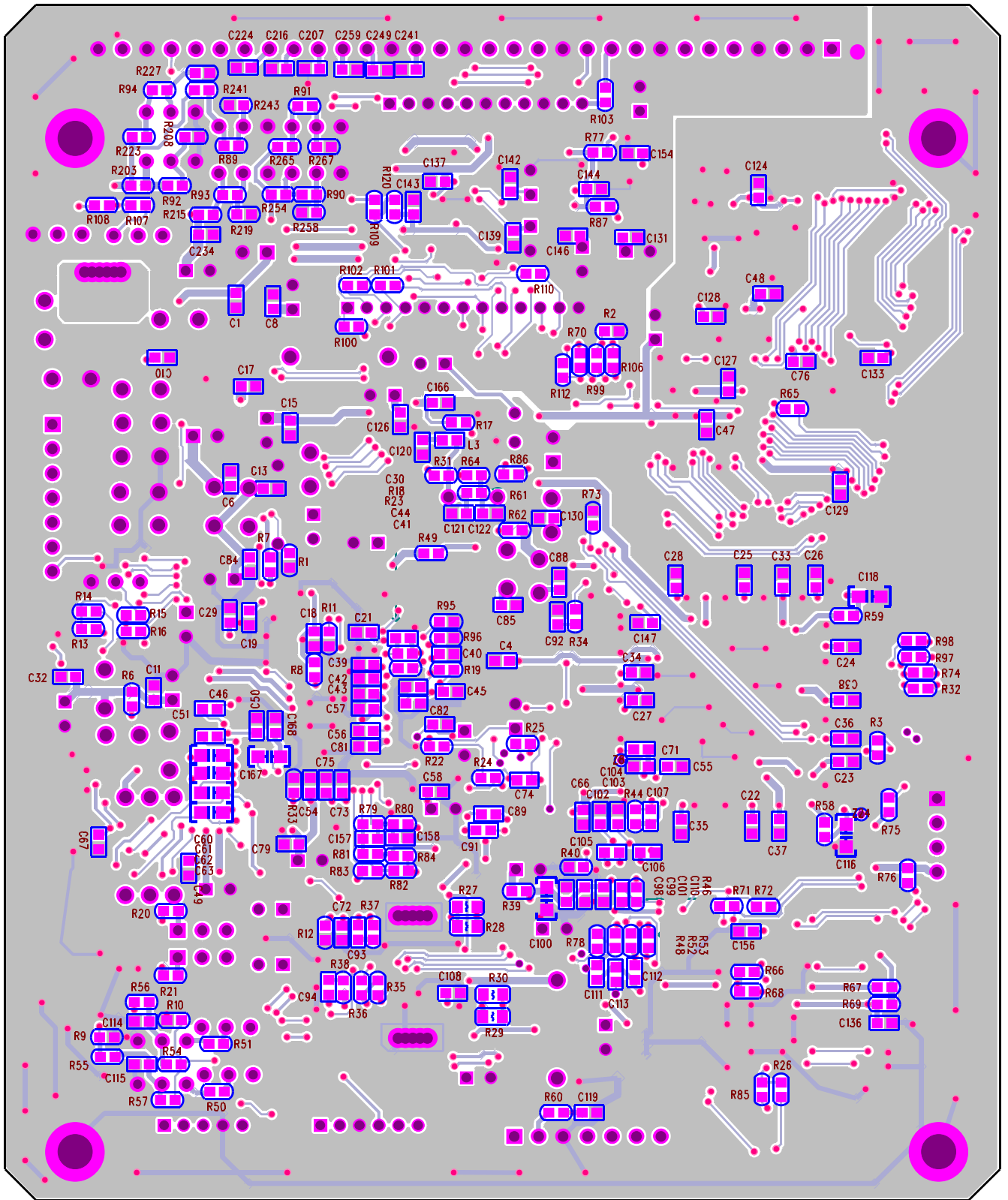
POWER/JACK BOARD(BOTTOM)

# PRINTED CIRCUIT BOARDS



MPEG. BOARD(TOP)

# PRINTED CIRCUIT BOARDS



MPEG. BOARD(BOTTOM)