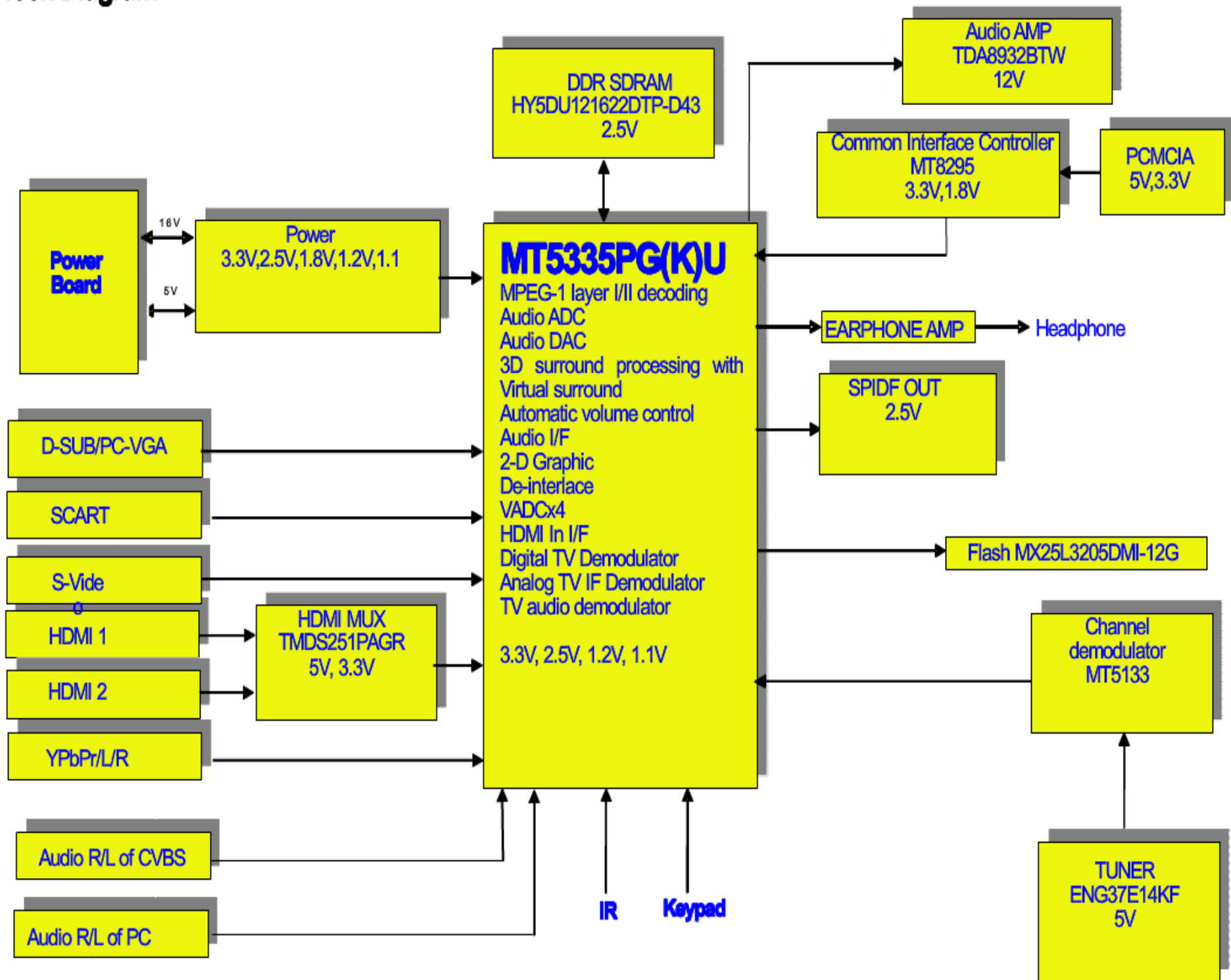
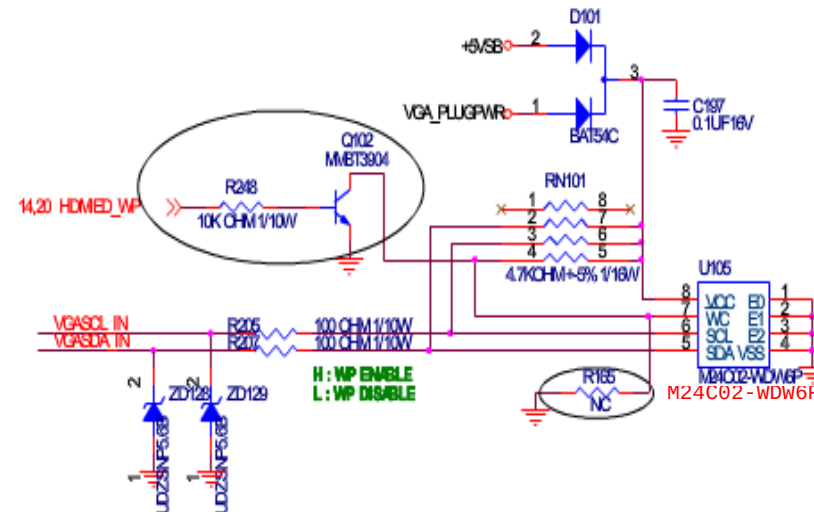
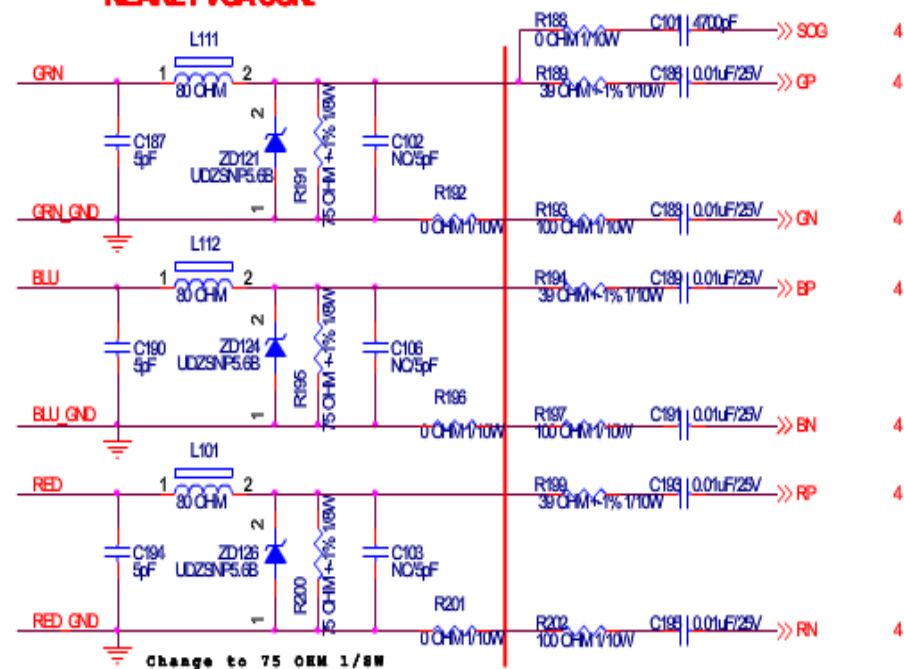


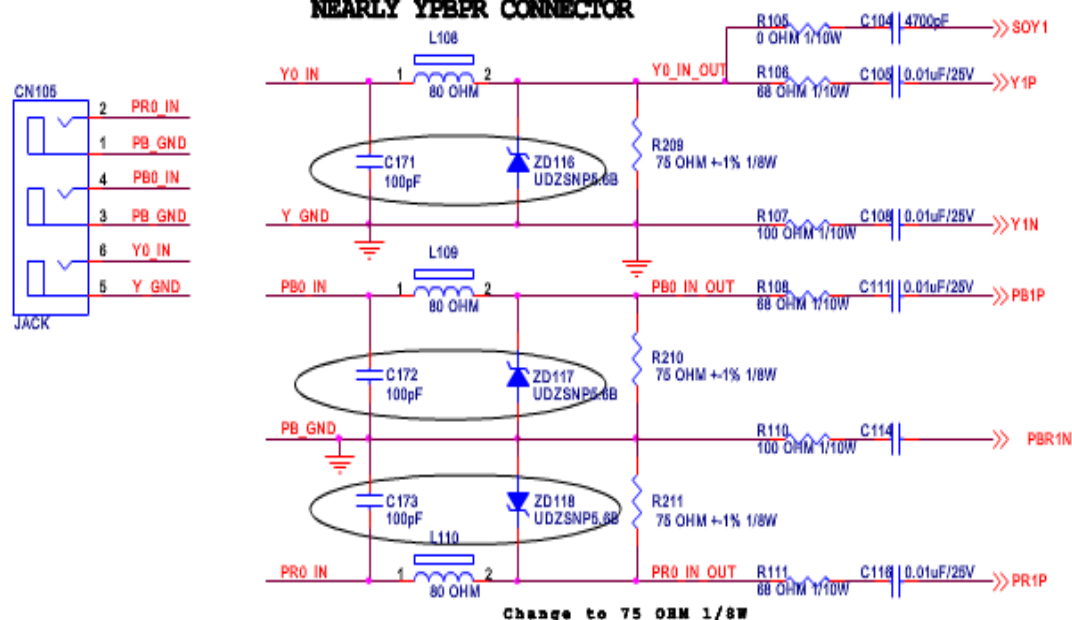
8. Block Diagram



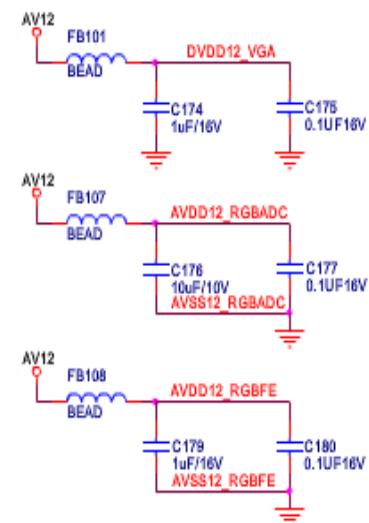
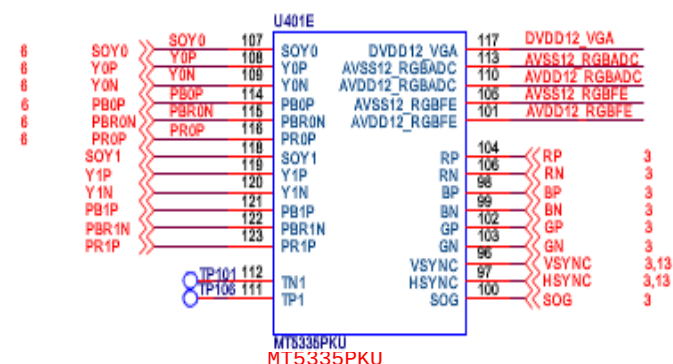
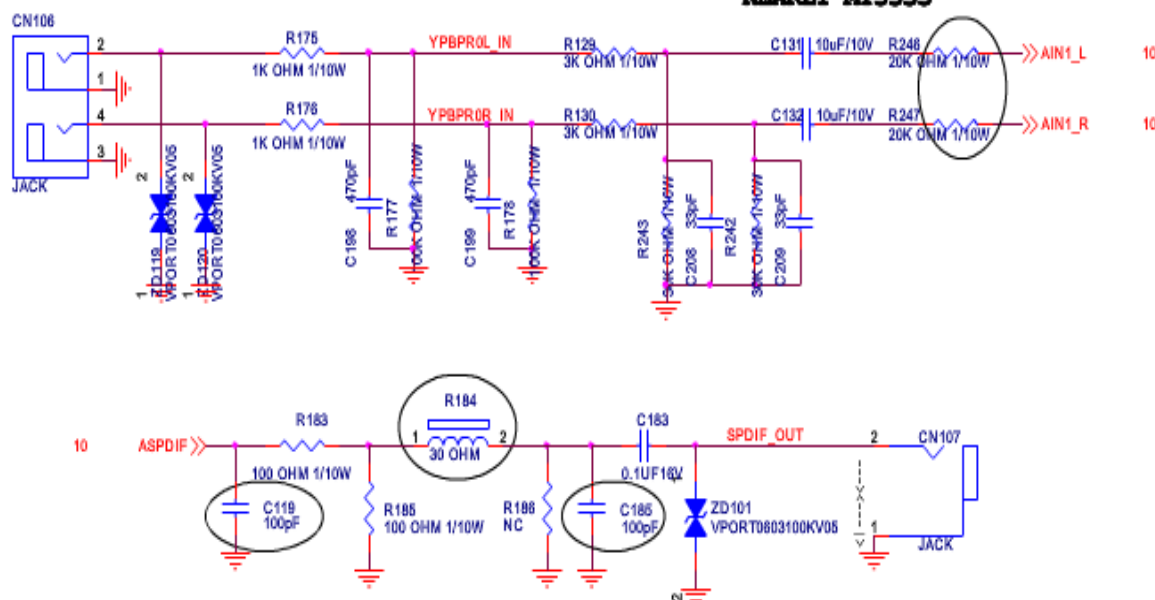
9.1 Main Board 715T2848 H



NEARLY YPBPR CONNECTOR

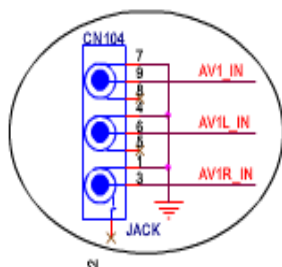
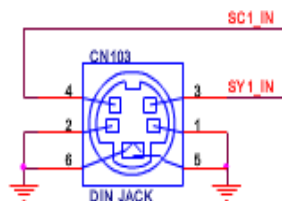


NEARLY MT5335

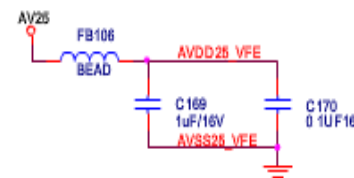
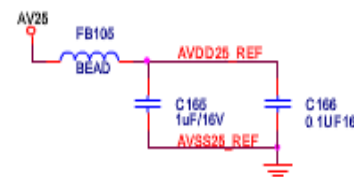
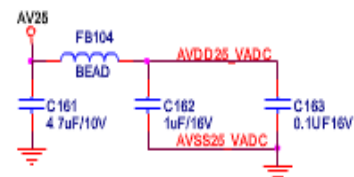
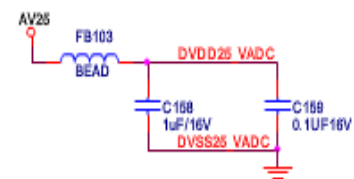
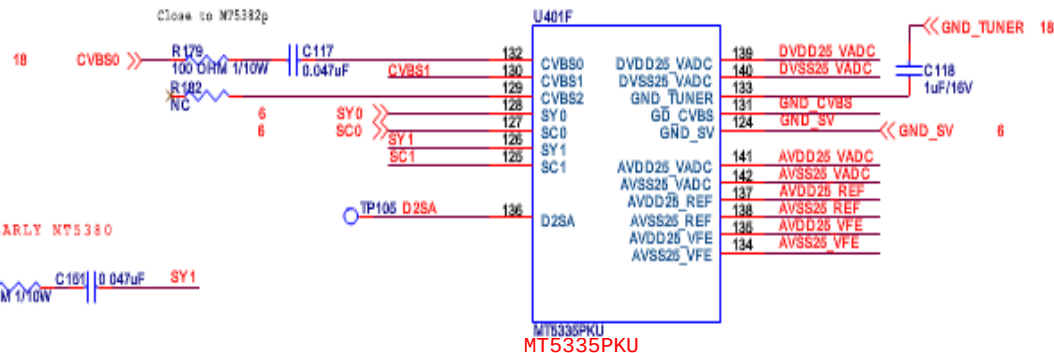
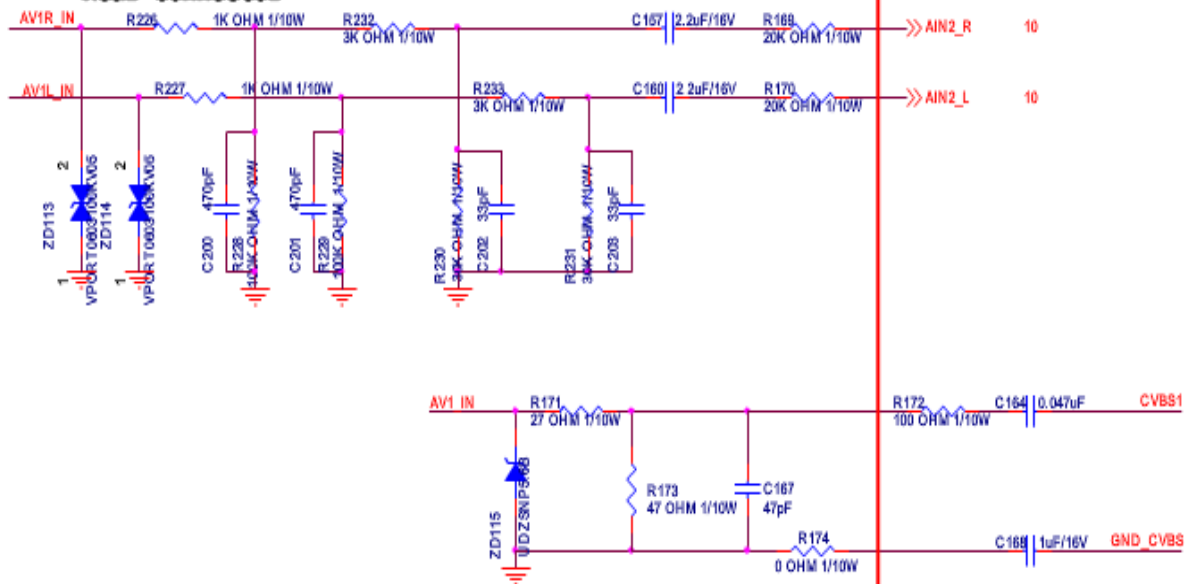


19" & 22" & 26" LCD TV

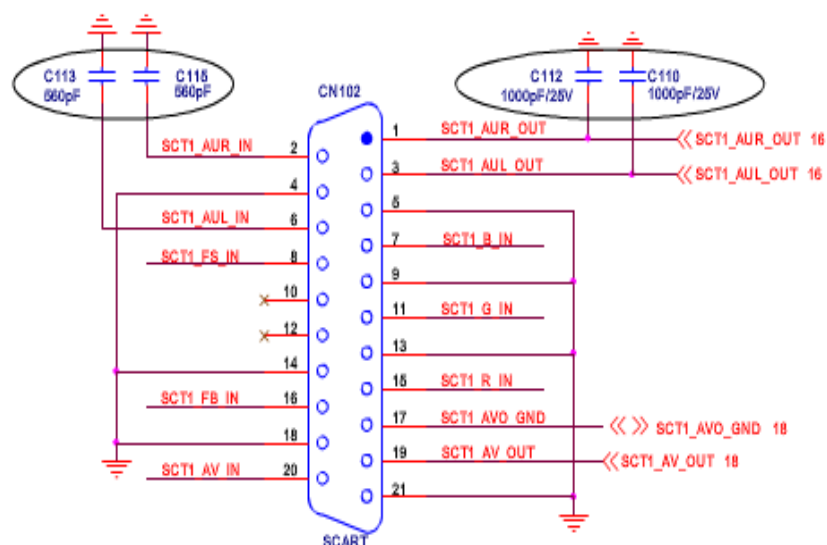
AOC L19W981 & L22W981 & L26W981



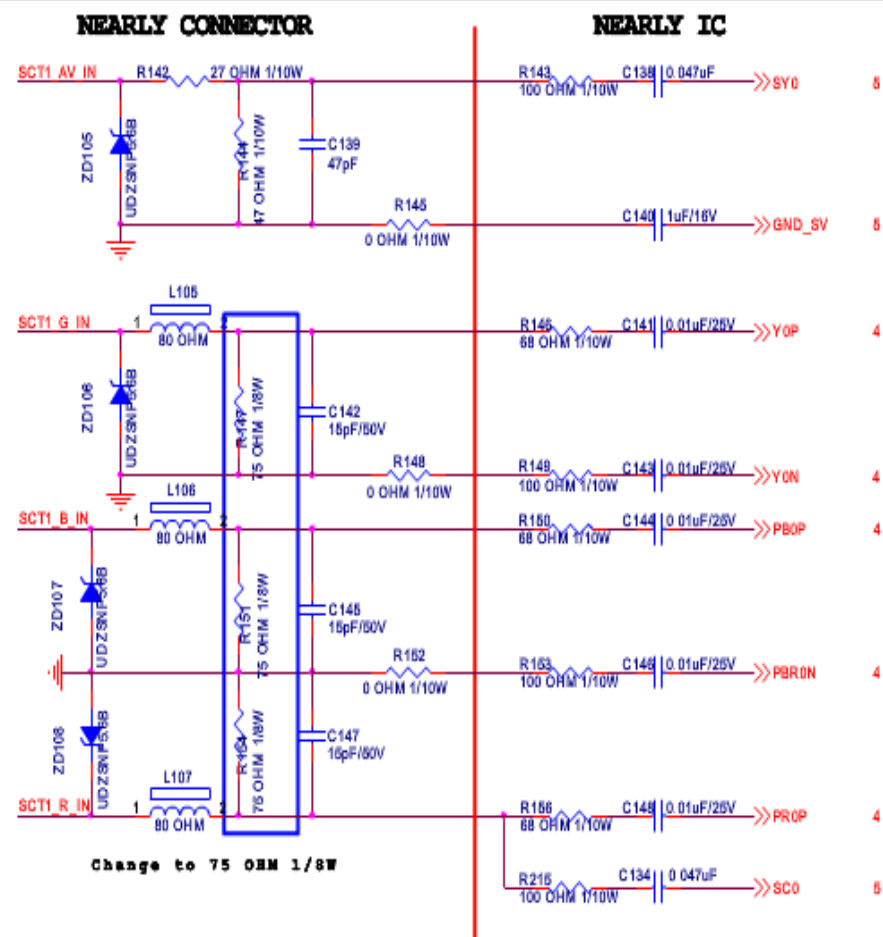
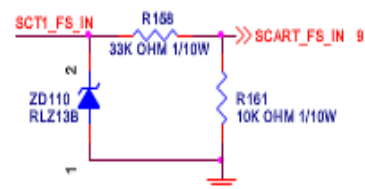
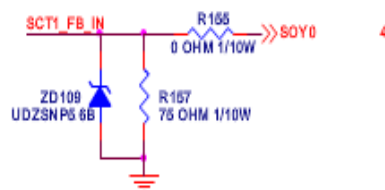
Near Connector



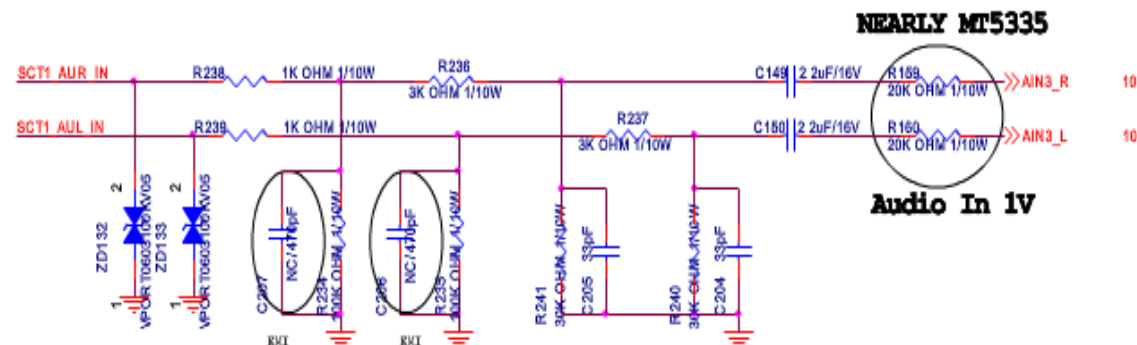
AOC L19W981&L22W981&L26W981



Full SCART

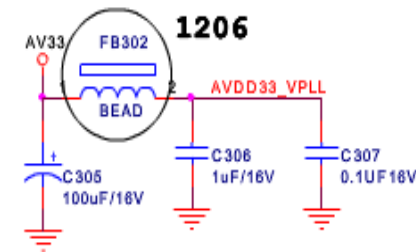
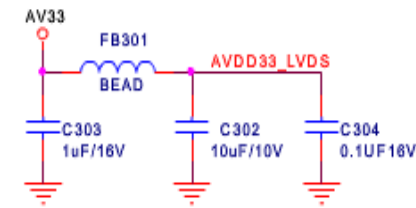
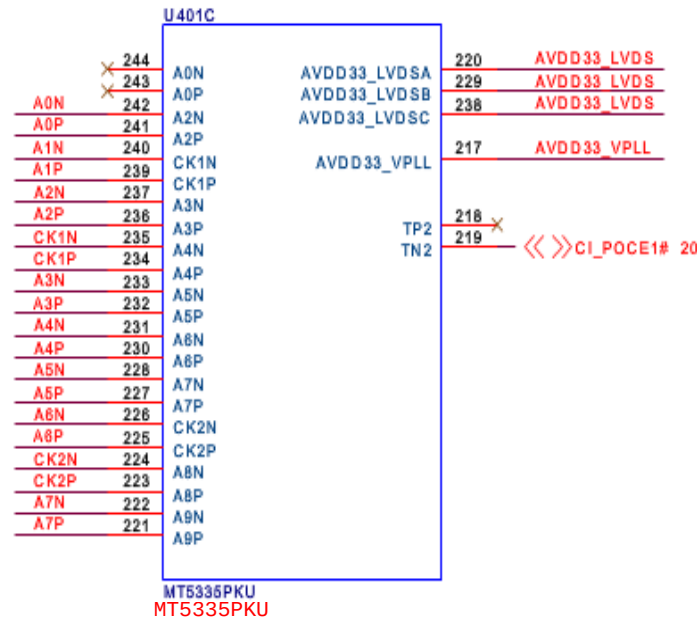


Change to 75 OHM 1/8W



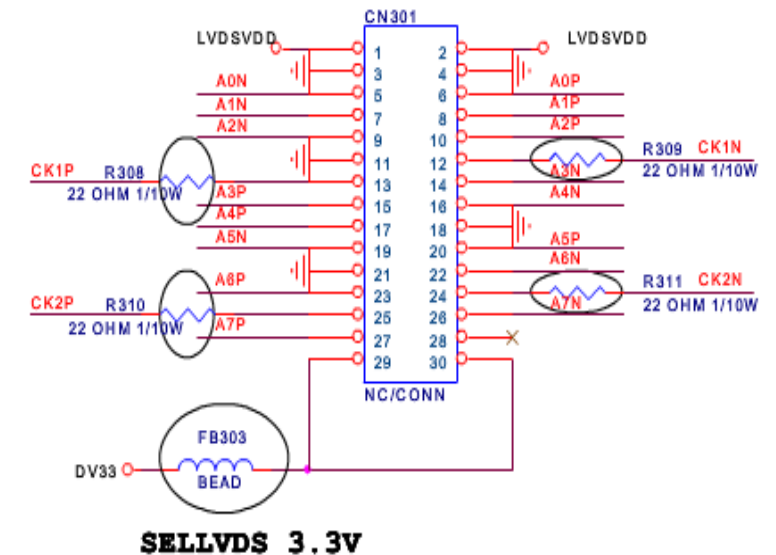
NEARLY MT5335

Audio In 1V

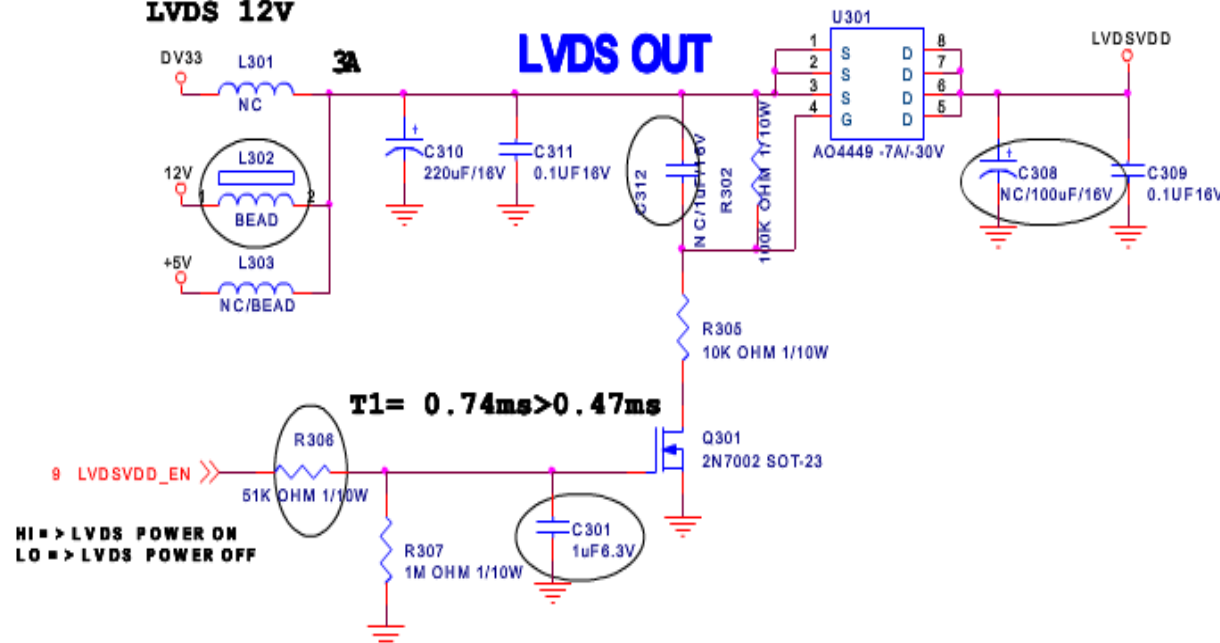


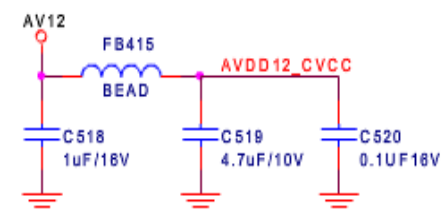
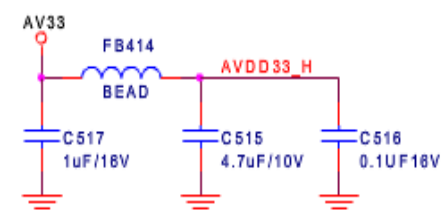
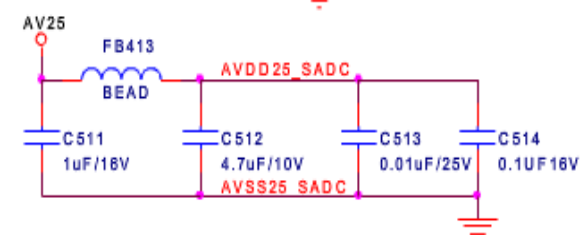
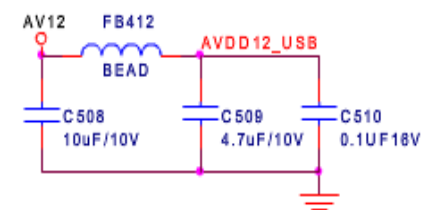
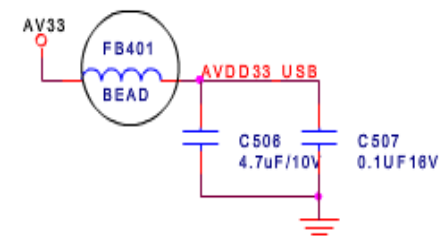
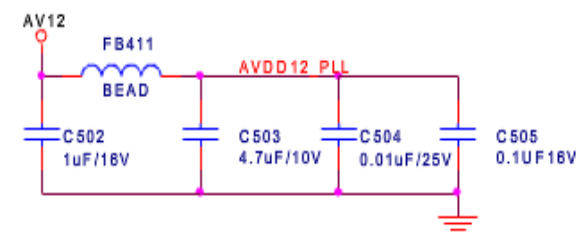
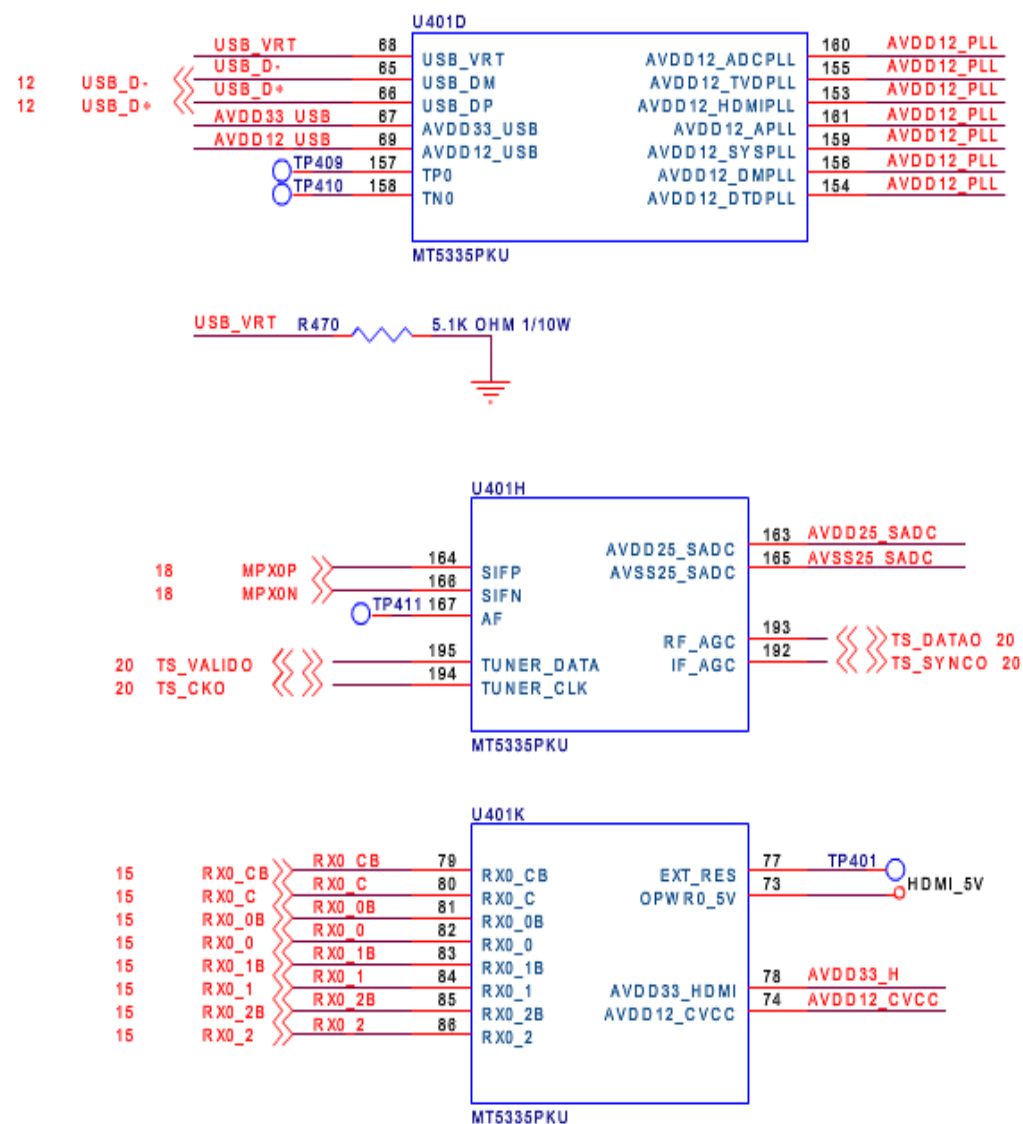
NC FOR FFC Board

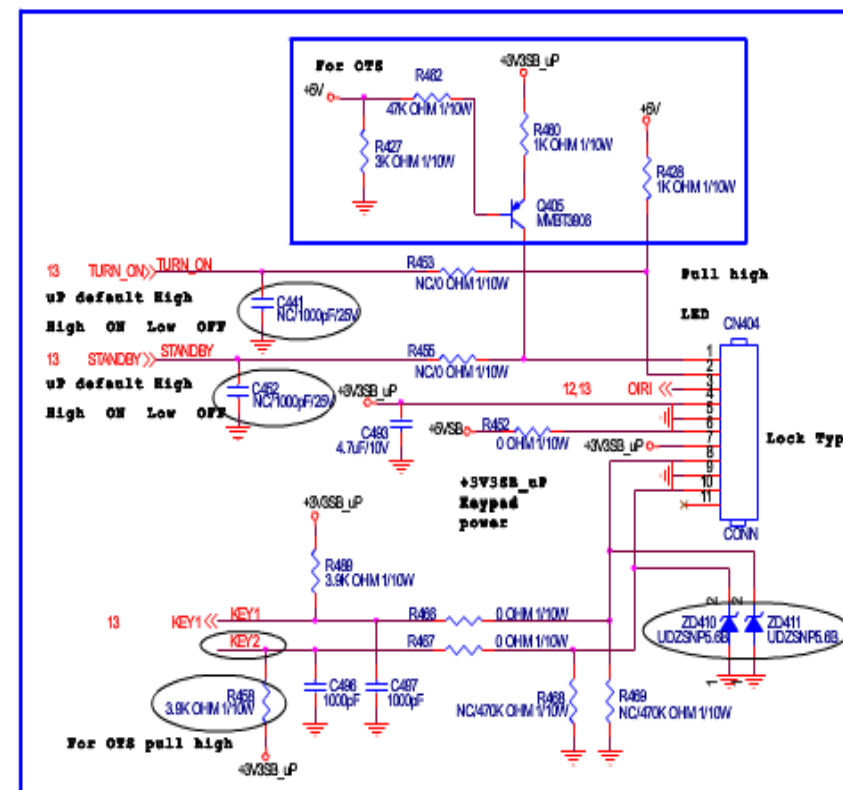
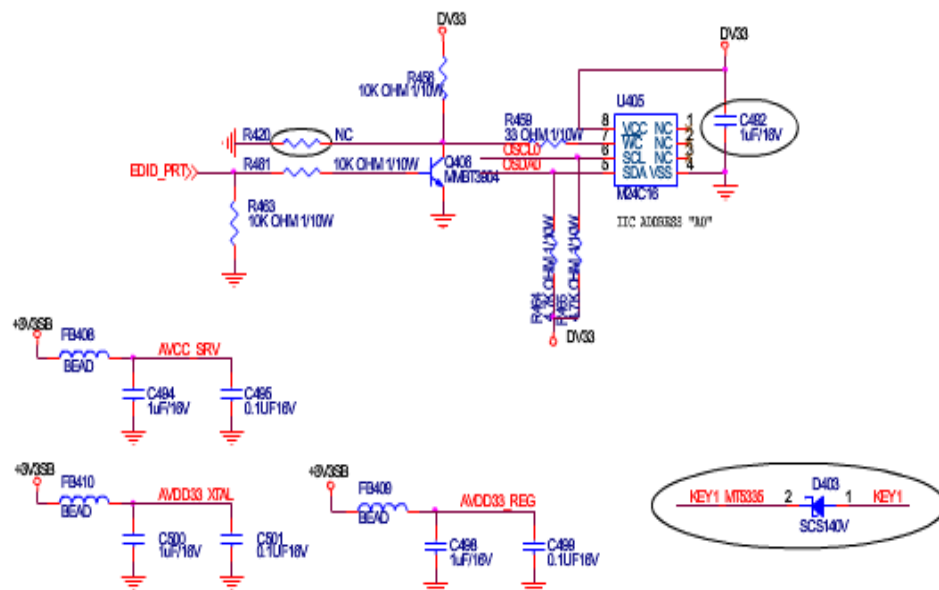
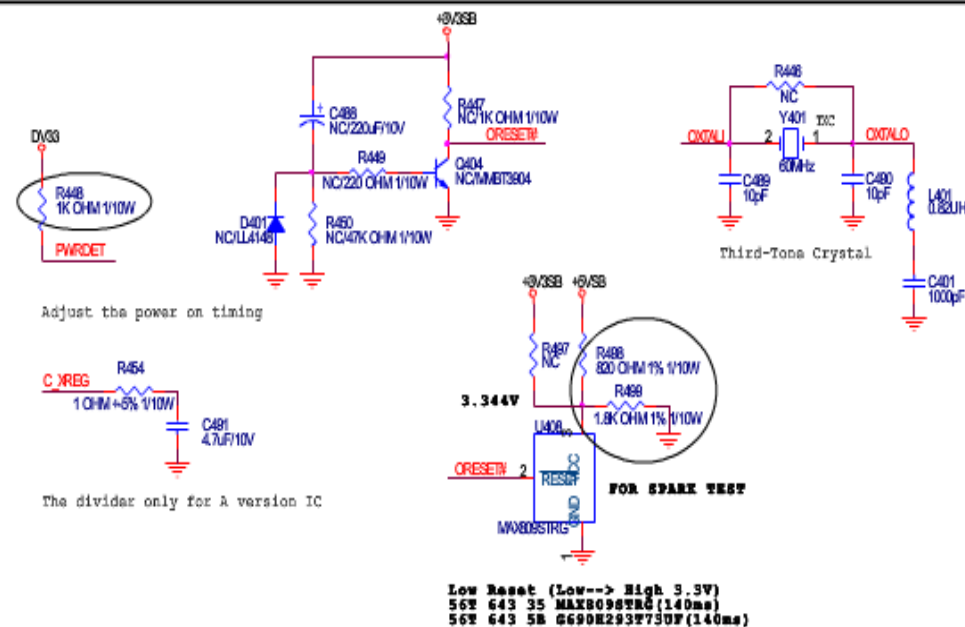
33T8027 30 GP

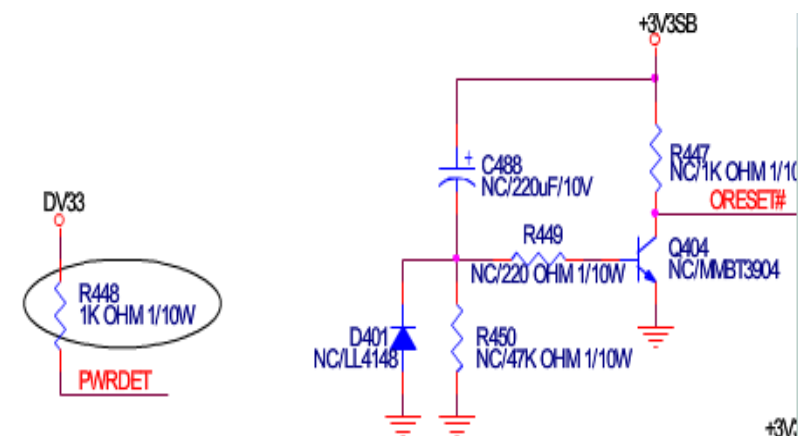
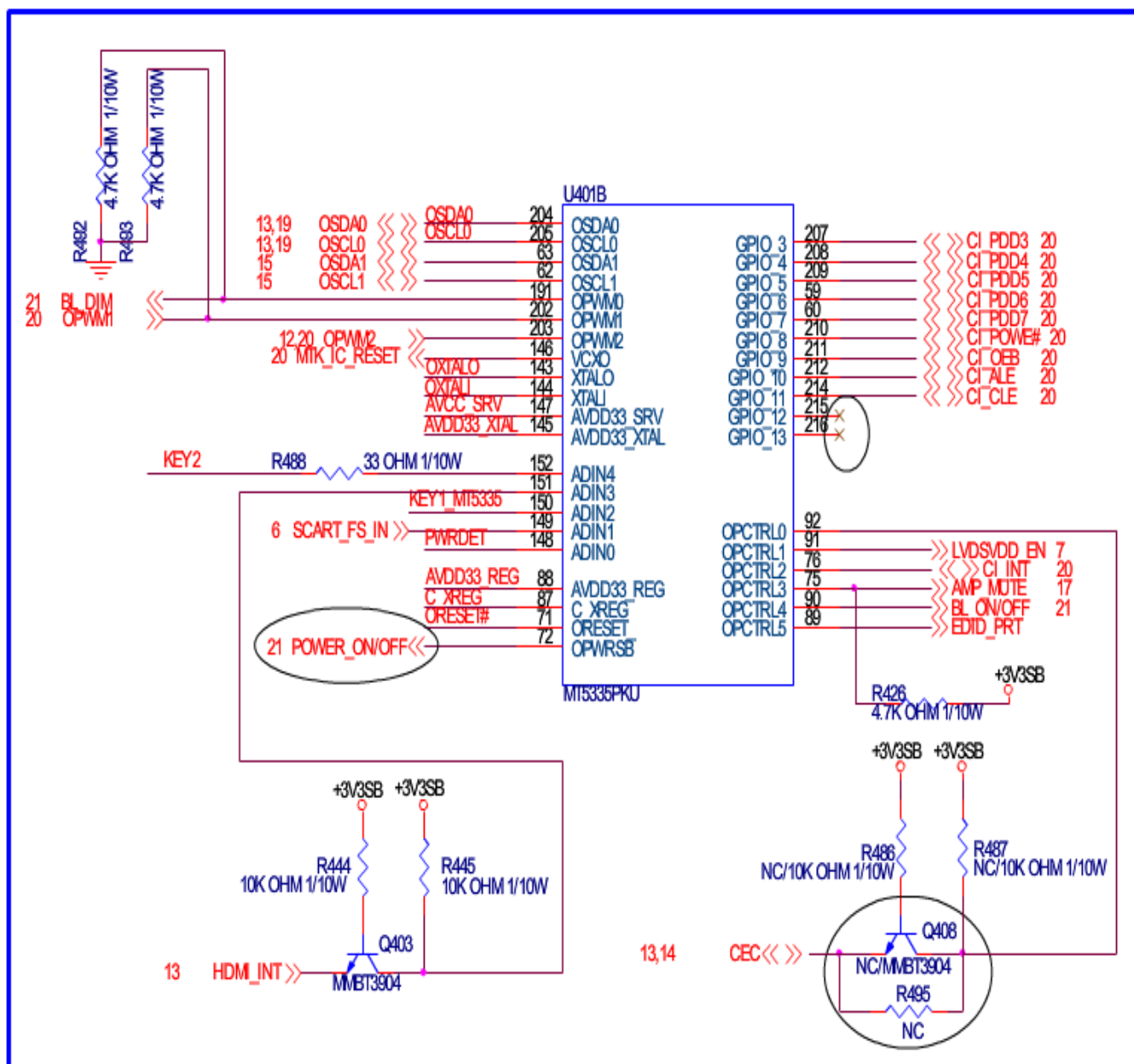
For 26" Panel
LVDS 12V

LVDS OUT

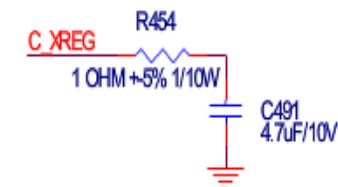






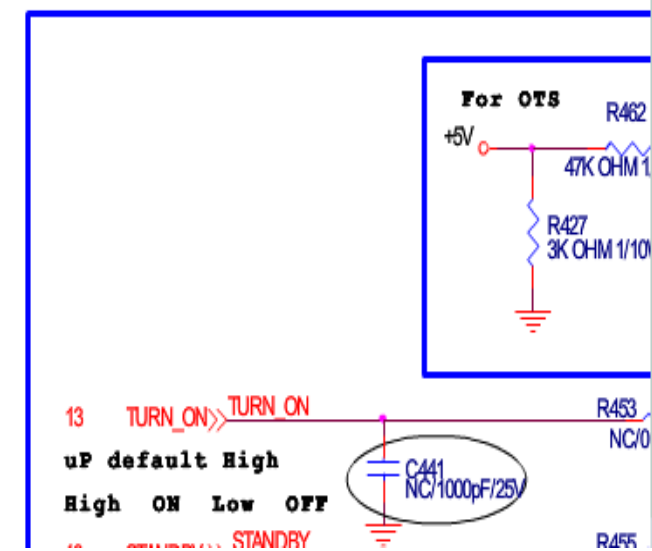


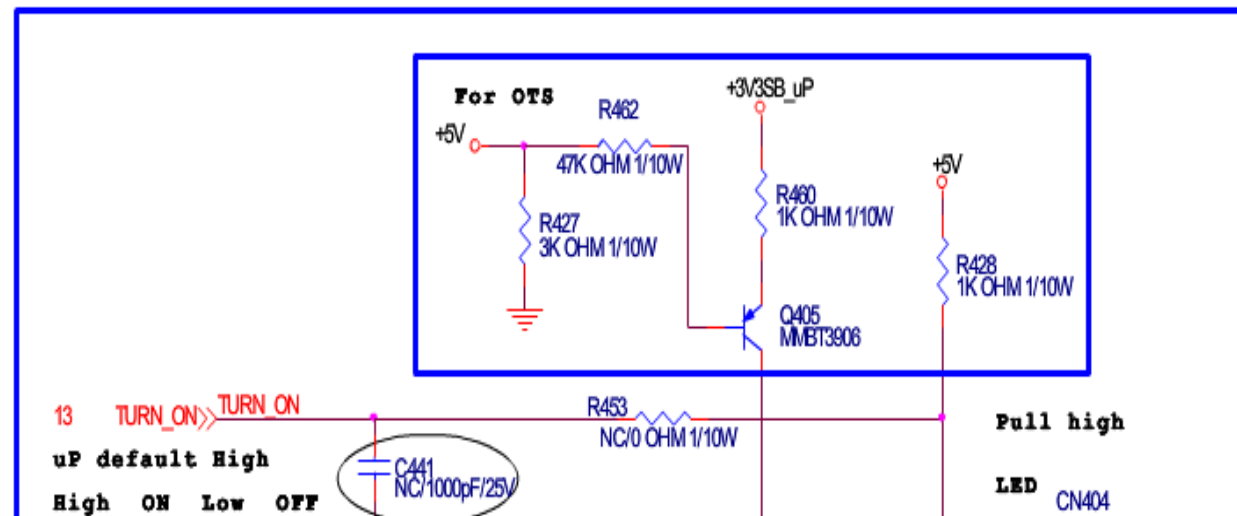
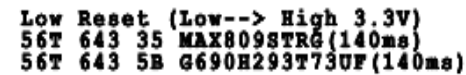
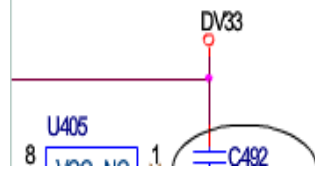
Adjust the power on timing

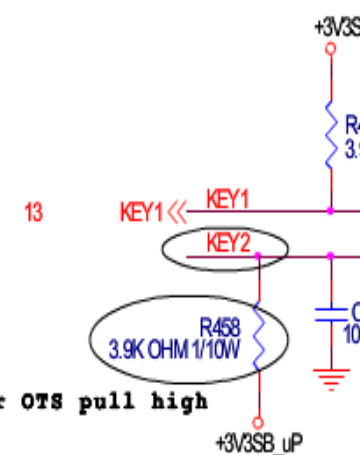
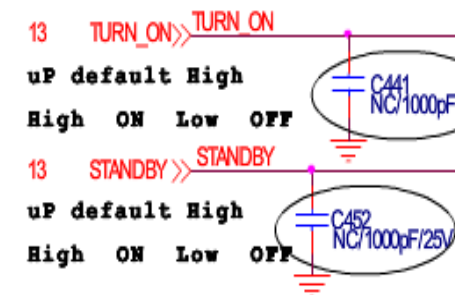
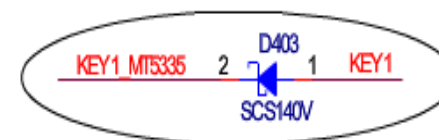
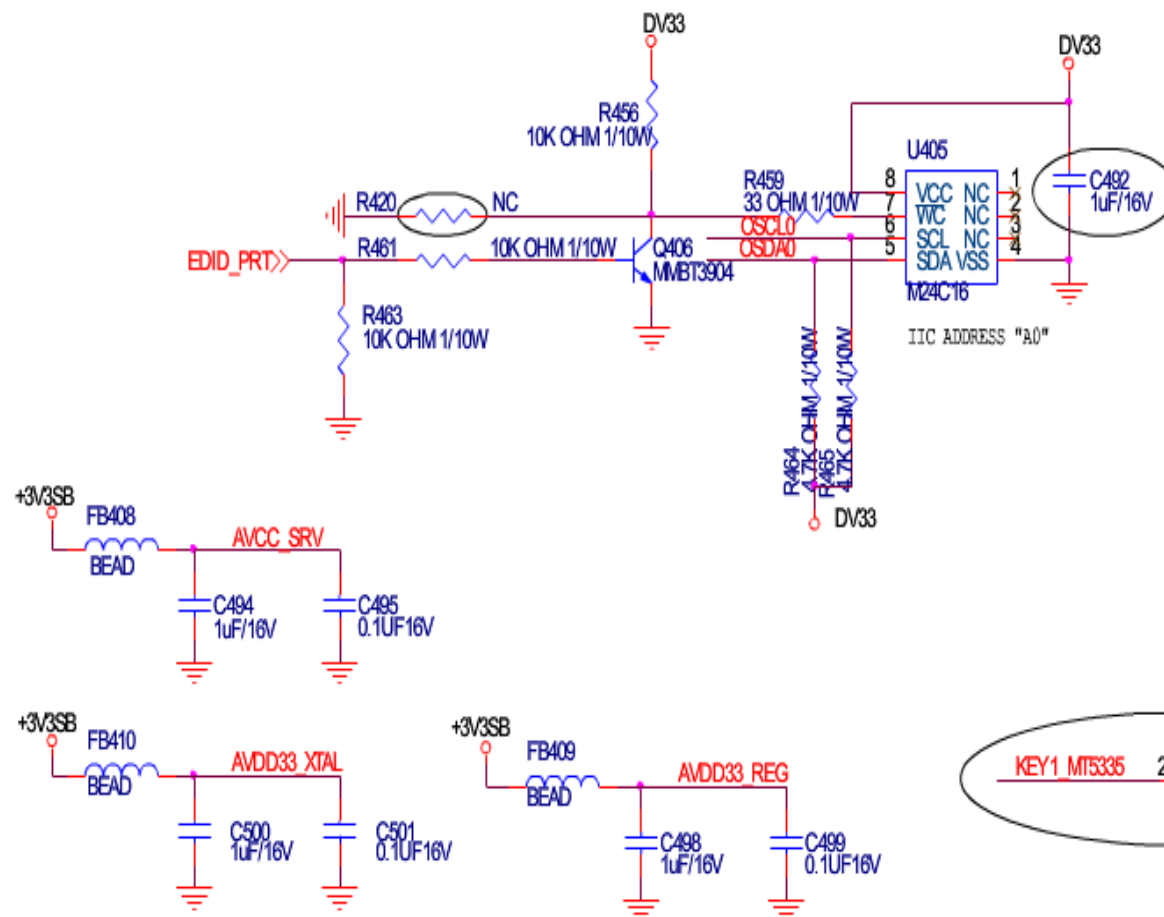
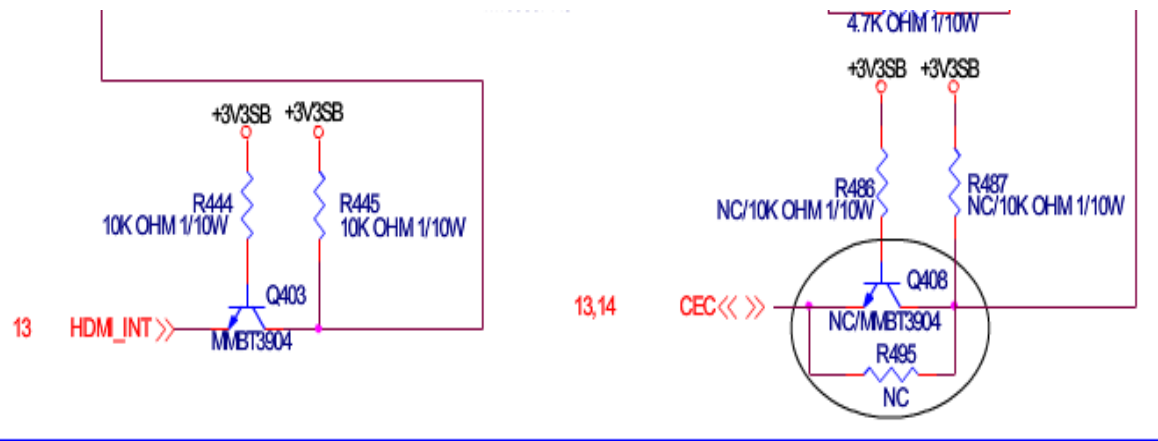


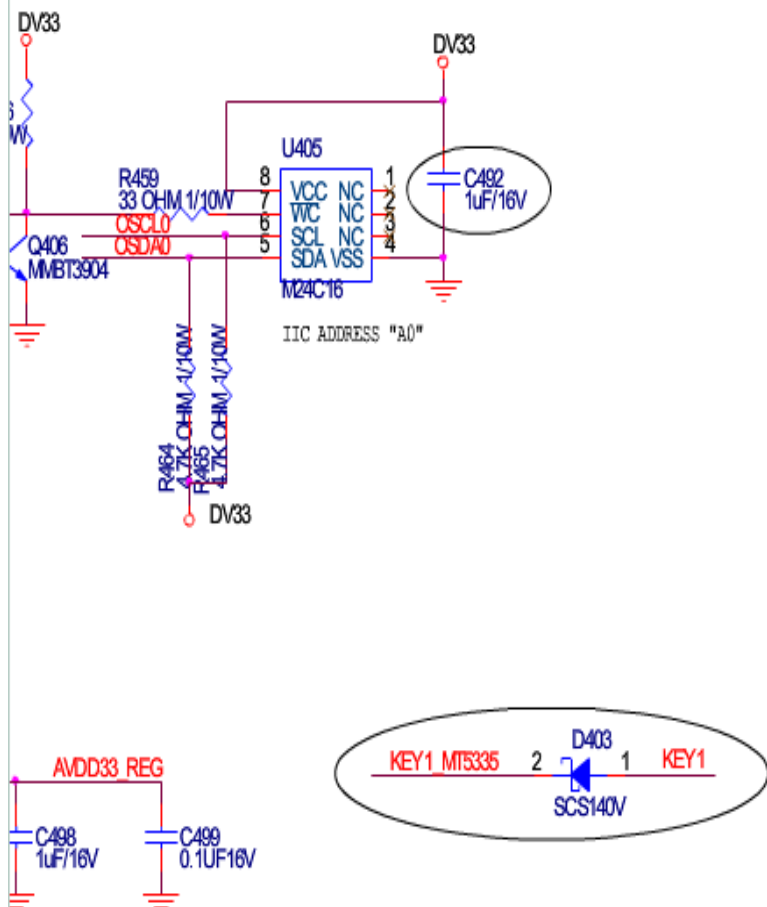
The divider only for A version IC

Low Reset
56T 643 35
56T 643 5B

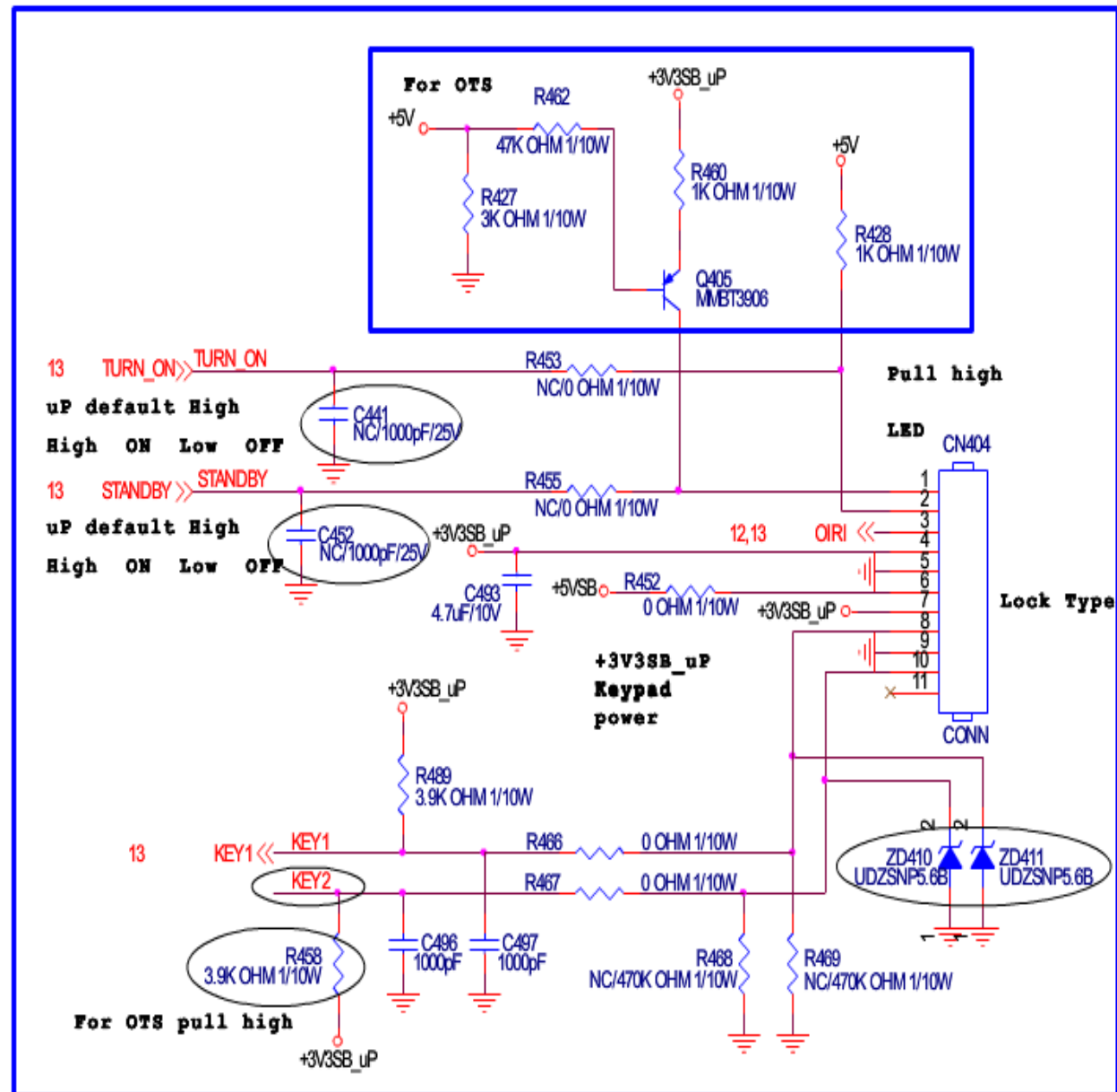


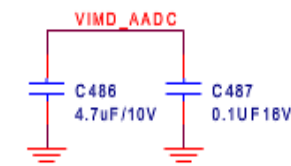
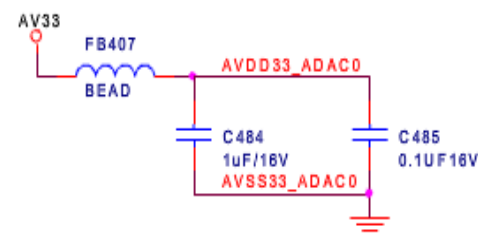
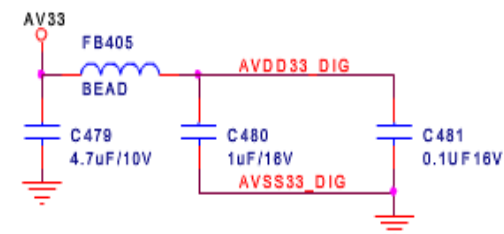
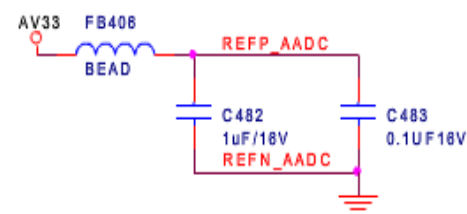
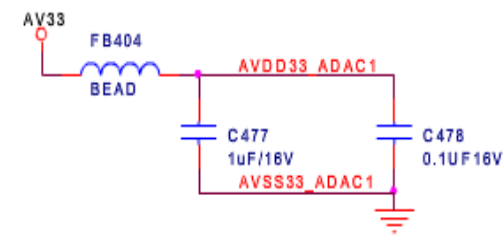
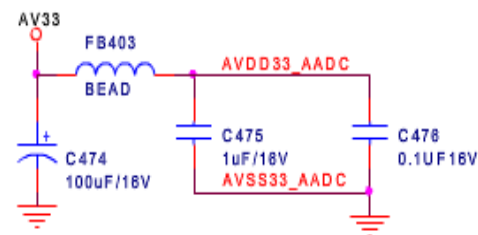
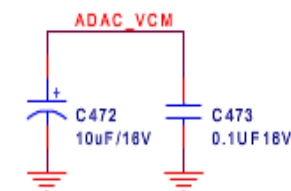
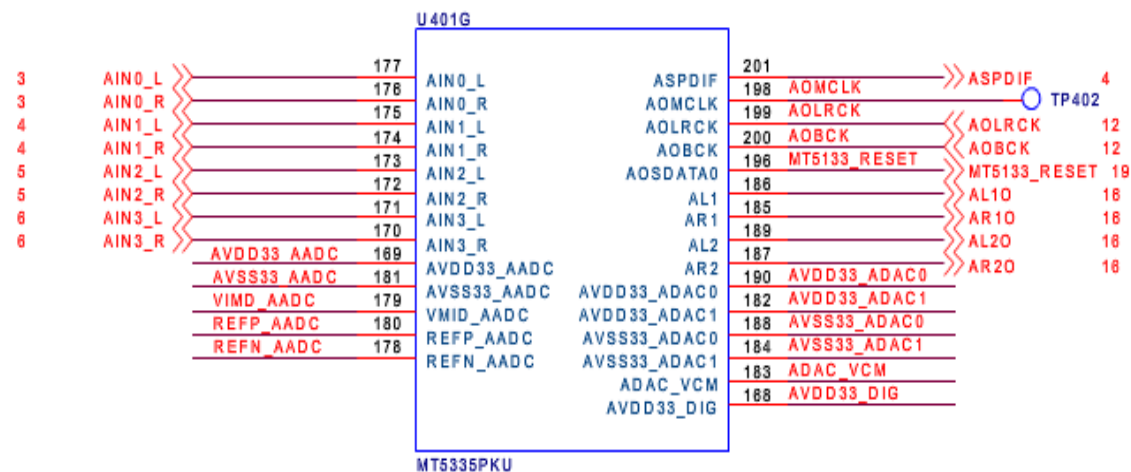




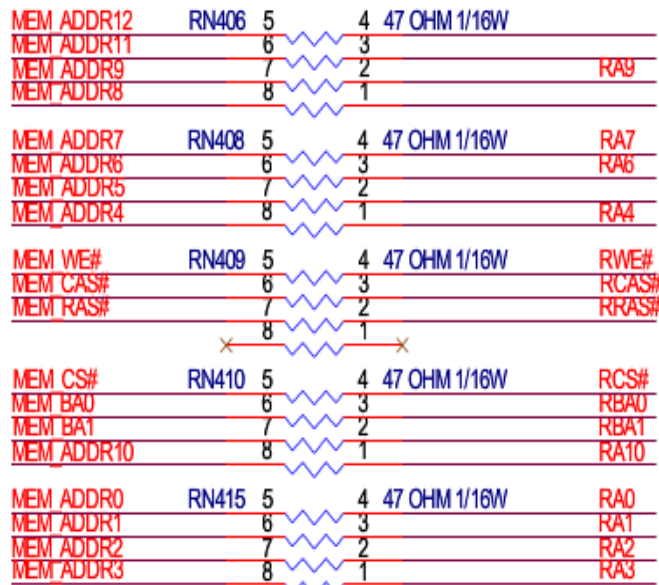
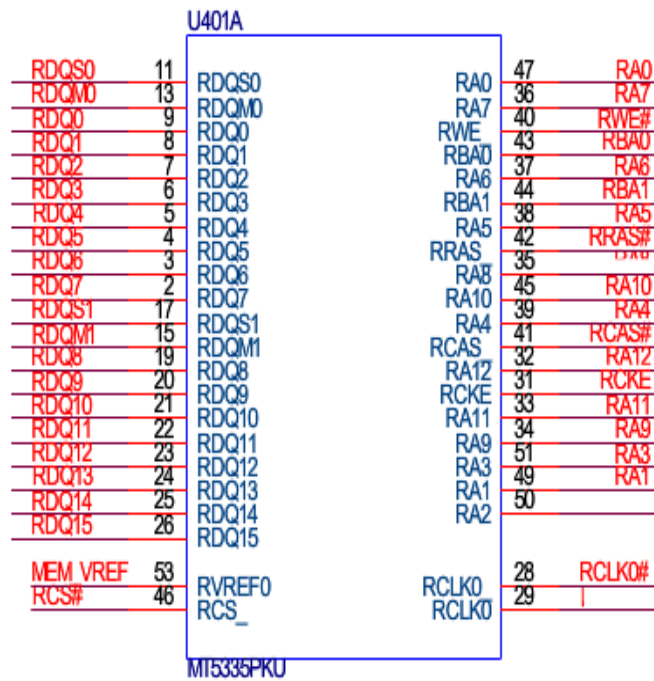


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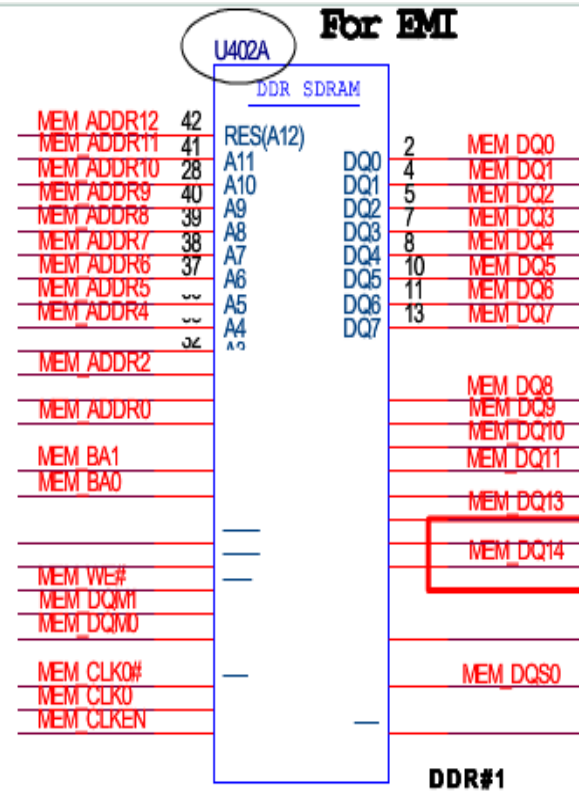








Add serial resistors for DRAM



U402A

DR12	42	RES(A12)	DQ0	2	MEM DQ0
DR11	41		DQ1	4	MEM DQ1
DR10	28		DQ2	5	MEM DQ2
DR9	40		DQ3	7	MEM DQ3
DR8	39		DQ4	8	MEM DQ4
DR7	38		DQ5	10	MEM DQ5
DR6	37		DQ6	11	MEM DQ6
DR5	36		DQ7	13	MEM DQ7
DR4	35				
DR3	34				

DR2			
			MEM_DQ8
DR0			MEM_DQ9
			MEM_DQ10
1			MEM_DQ11
0			MEM_DQ13
			MEM_DQ14
#			
QV1			
QV0			
K0#			MEM_DQS0
K0			
KEN			

DDR#1

Swap for layout

U402B

DDR SDRAM
(PWR)

for layout

HY5DU121622DTP-D43

75 OHM/NC

75 OHM/NC

MEM WE#	RN402	8	1	8P4R 75 OHM +/-5% 1/16W
MEM CAS#		7	2	
MEM RAS#		6	3	
MEM CS#		5	4	
MEM BA0	RN403	8	1	8P4R 75 OHM +/-5% 1/16W
MEM BA1		7	2	
MEM ADDR10		6	3	
+1V3D		5	4	
MEM ADDR4	RN404	8	1	8P4R 75 OHM +/-5% 1/16W
MEM ADDR5		7	2	
MEM ADDR6		6	3	
MEM ADDR7		5	4	

MEM CLKEN R430 NC

MEM_ADDR12	RN405	5	4	8P4R 75 OHM +5% 1/16W
MEM_ADDR11		6	3	
MEM_ADDR9		7	2	
MEM_ADDR8		8	1	
MEM_ADDR0	RN407	8	1	8P4R 75 OHM +5% 1/16W
MEM_ADDR1		7	2	
MEM_ADDR2		6	3	
MEM_ADDR3		5	4	
MEM_ADDR13	R431			NC

+1V3D

RCKE MEM_CLKEN

RCLK0 R433 MEM_CLK0
22 OHM 1/10W

RCLK0# R439 MEM_CLK0#
22 OHM 1/10W

R434
100 OHM 1/10W

RDQ0	RN4115	4	47 OHM 1/16W	MEM DQ0	RN412	8	1	8P4R 75 OHM +5% 1/16W
RDQ1	6	3		MEM DQ1	7	2		
RDQ2	7	2		MEM DQ2	6	3		
	8	1		MEM DQ3	5	4		
RDQ4	RN4135	4	47 OHM 1/16W	MEM DQ4	RN414	8	1	8P4R 75 OHM +5% 1/16W
RDQ5	6	3		MEM DQ5	7	2		
RDQ6	7	2		MEM DQ6	6	3		
RDQ7	8	1		MEM DQ7	5	4		
RDQS0	R435		47 OHM 1/16W	MEM DQS0	R436			75 OHM 1/10W
RDQM0	R437		47 OHM 1/16W	MEM DQM0	R438			75 OHM 1/10W
RDQM1	R440		47 OHM 1/16W	MEM DQM1	R441			75 OHM 1/10W
RDQS1	R442		47 OHM 1/16W	MEM DQS1	R443			75 OHM 1/10W
RDQ8	RN4188	1	47 OHM 1/16W	MEM DQ8	RN417	8	1	8P4R 75 OHM +5% 1/16W
RDQ9	7	2		MEM DQ9	7	2		
RDQ10	6	3		MEM DQ10	6	3		
RDQ11	5	4		MEM DQ11	5	4		
RDQ12	RN4188	1	47 OHM 1/16W	MEM DQ12	RN419	8	1	8P4R 75 OHM +5% 1/16W
RDQ13	7	2		MEM DQ13	7	2		
RDQ14	6	3	MEM DQ14	MEM DQ15	6	3		
RDQ15	5	4	MEM DQ15	MEM DQ14	5	4		

Swap for layout

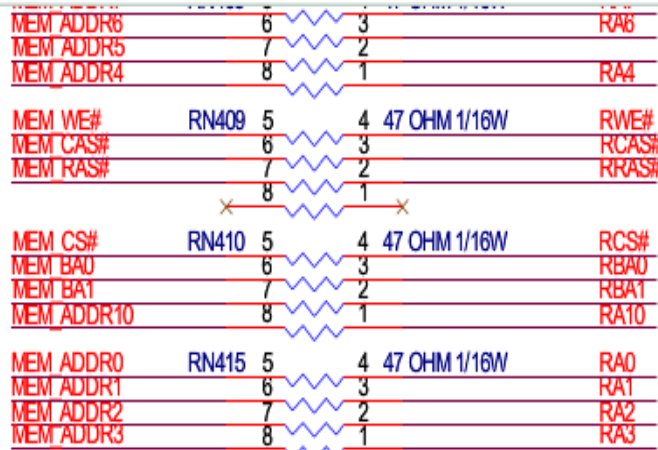
+1V3D

DDRIV BEAD1

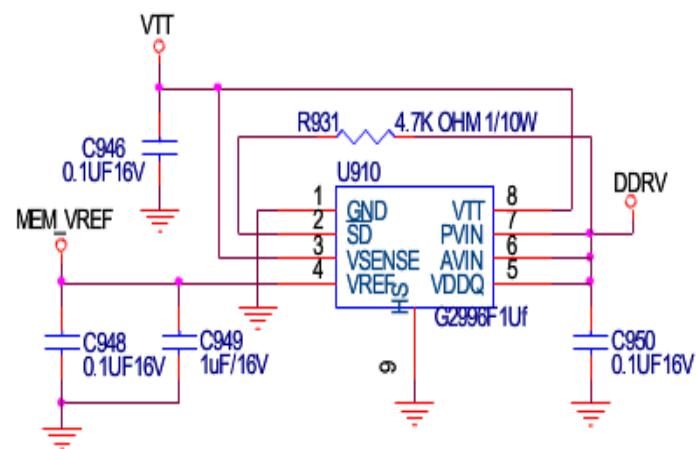
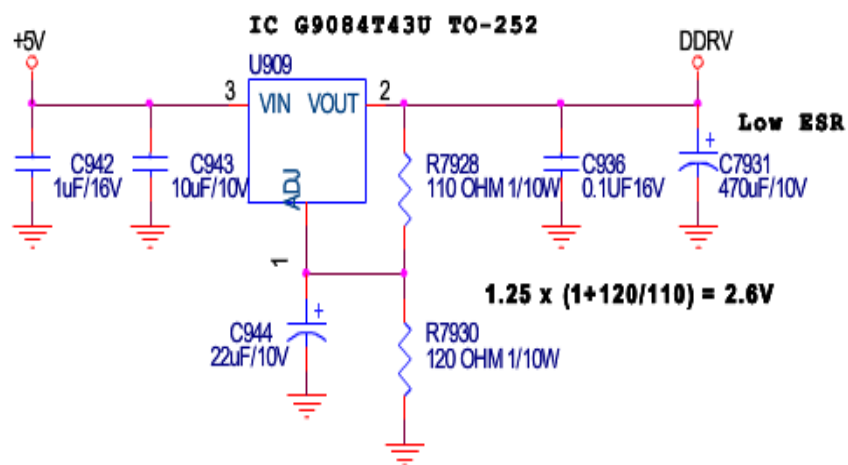
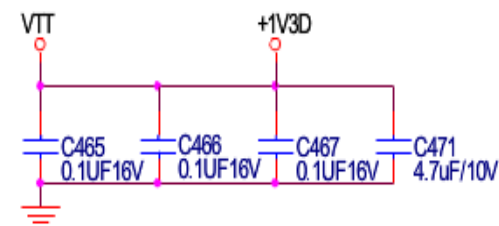
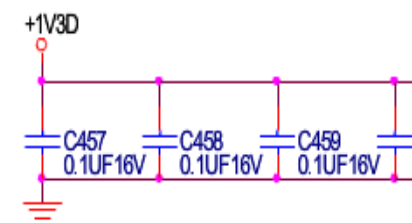
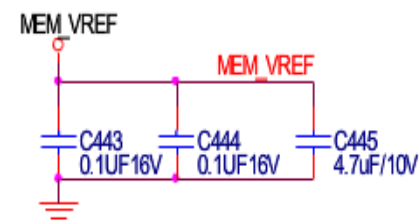
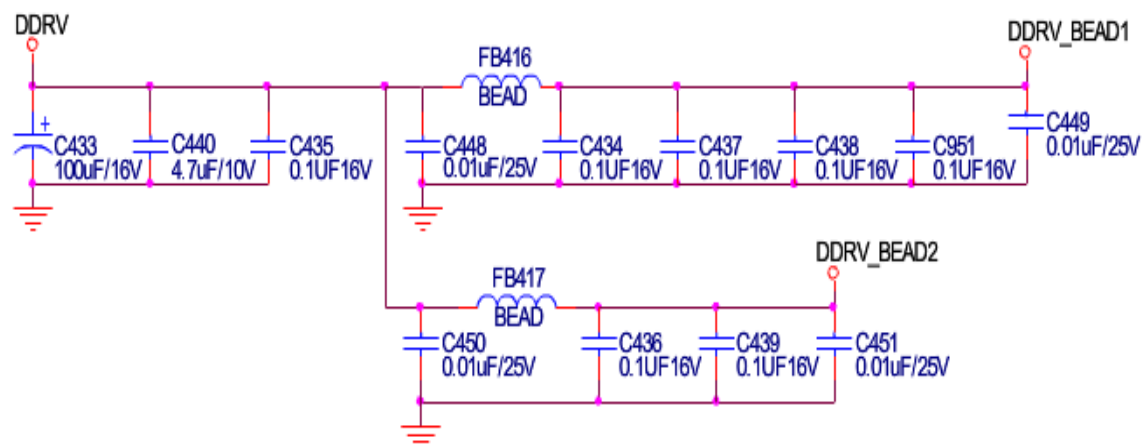
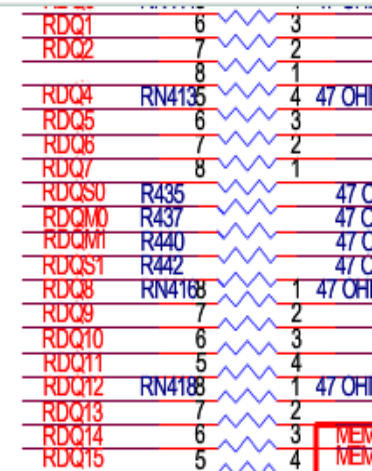
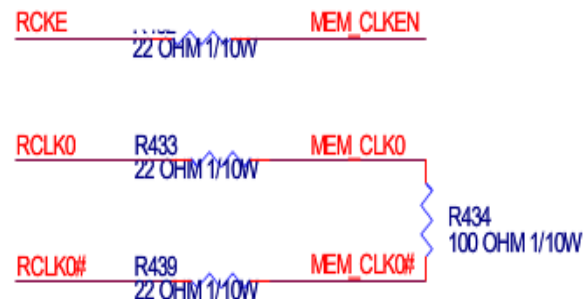
MEM VREF

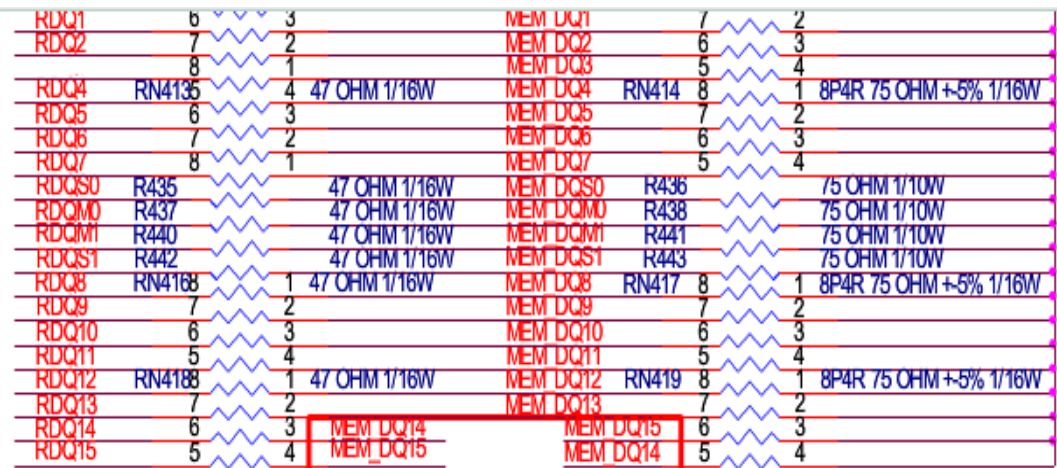
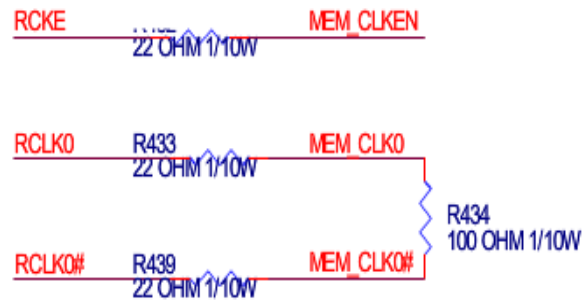
MEM VREF

+1V3D

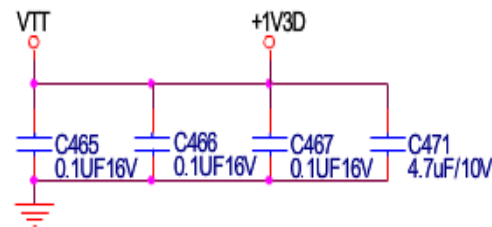
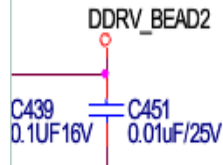
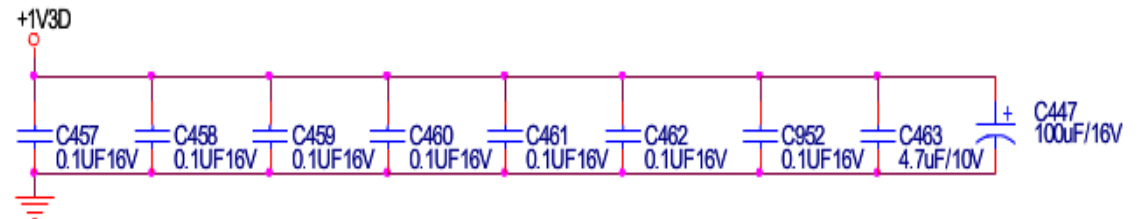
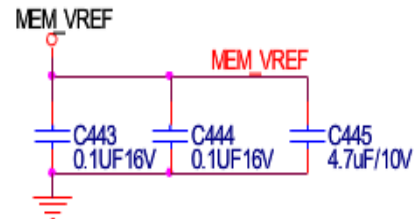
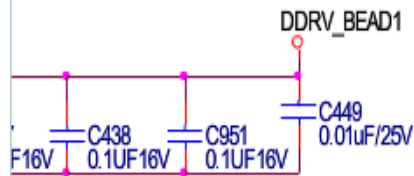


Add serial resistors for DRAM





Swap for layout

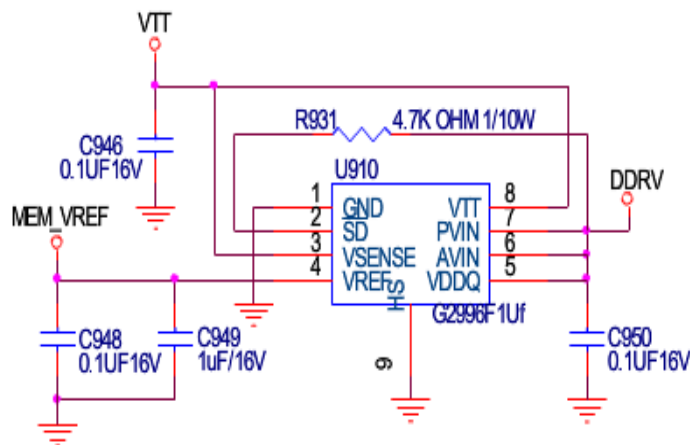


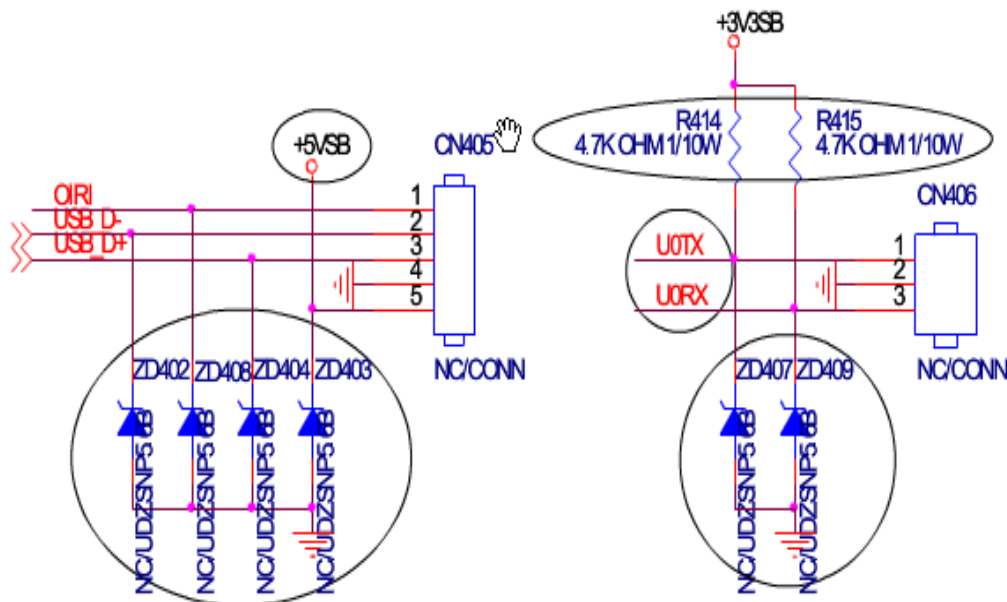
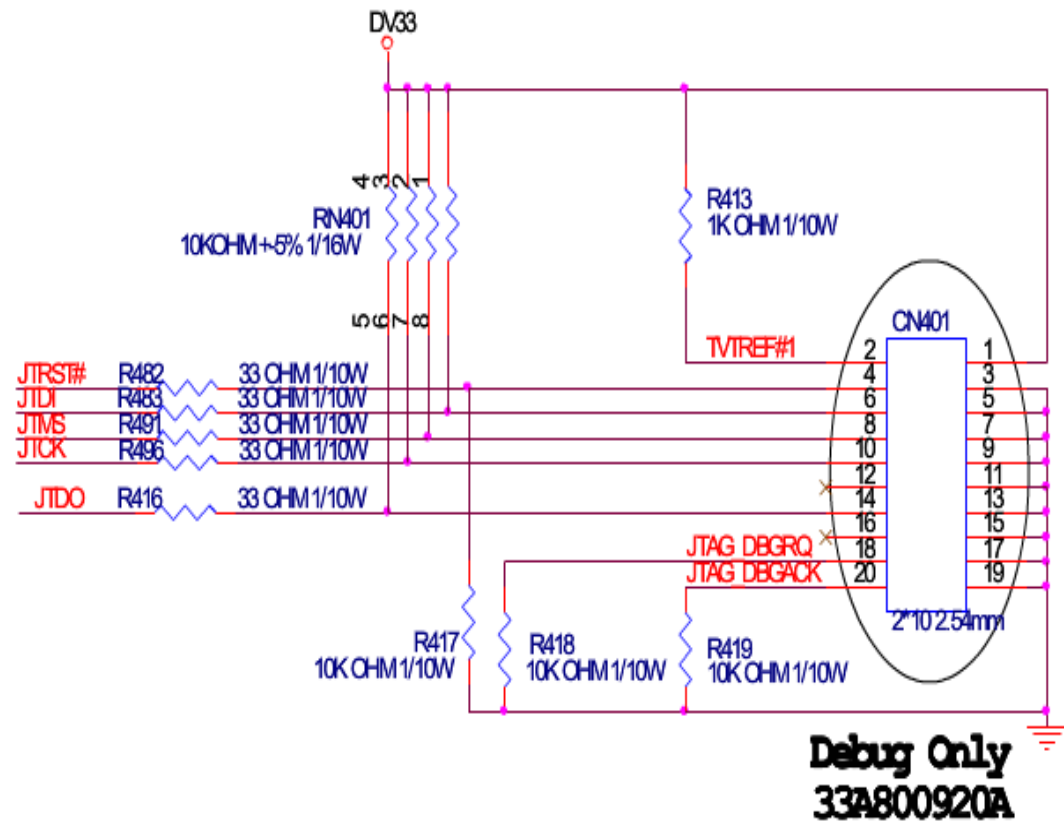
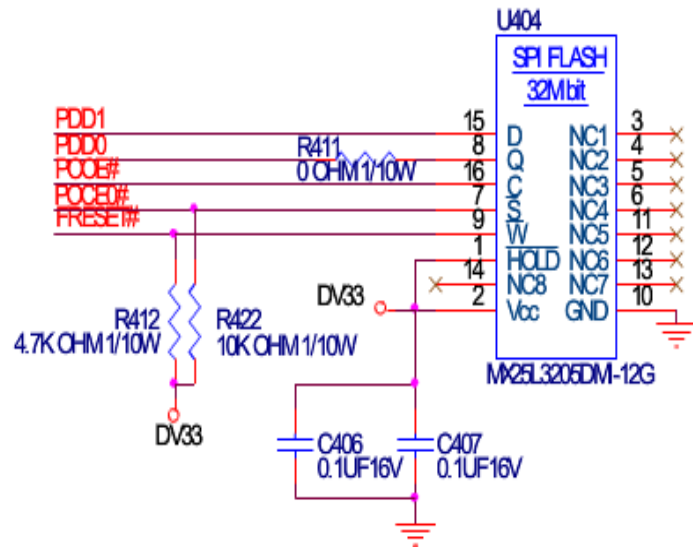
V

Low ESR

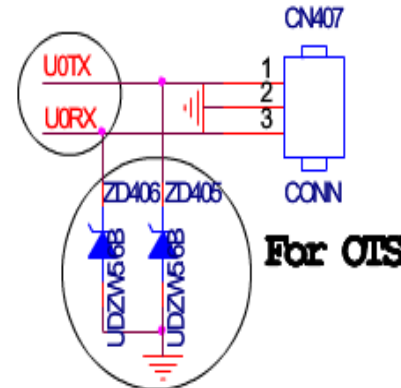
C7931
470uF/10V

2.6V



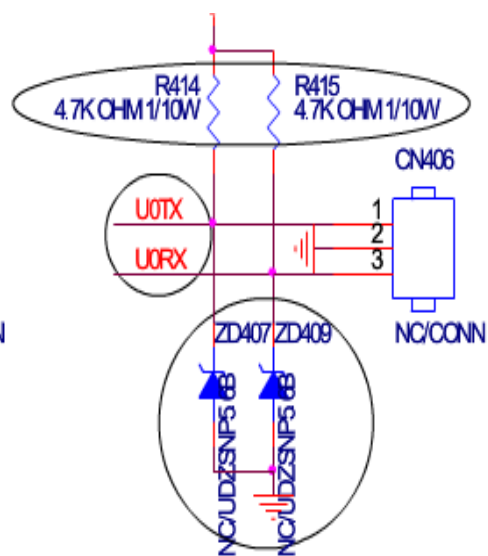
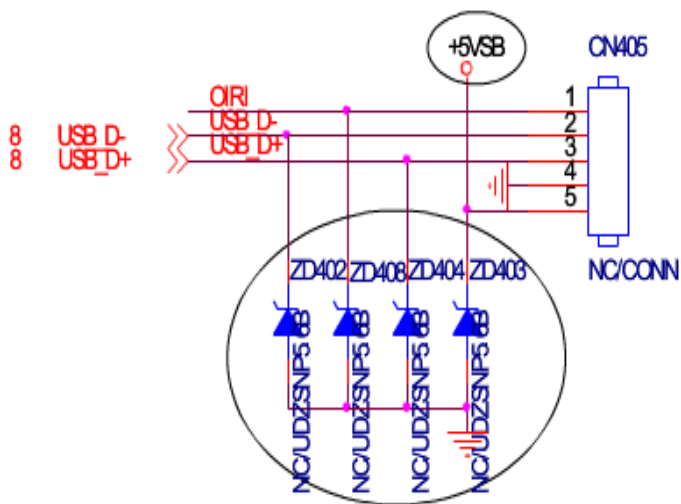
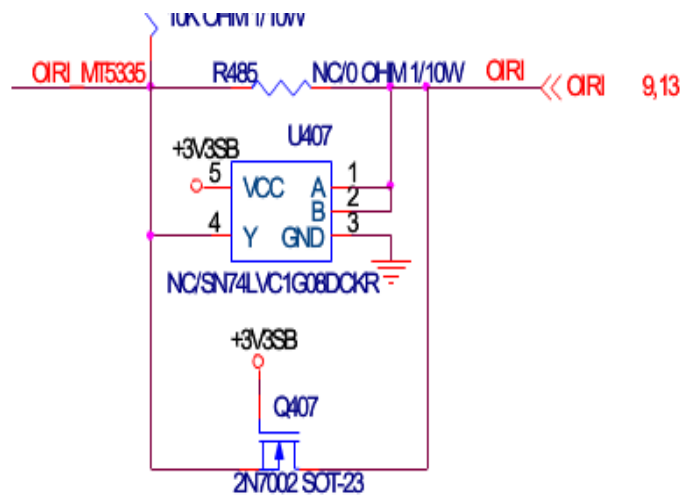


ACER 26" TV Code Updated
TX, RX Same Define Changed



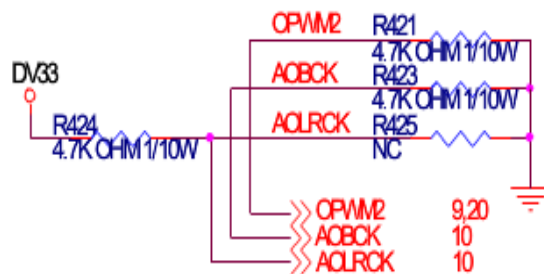
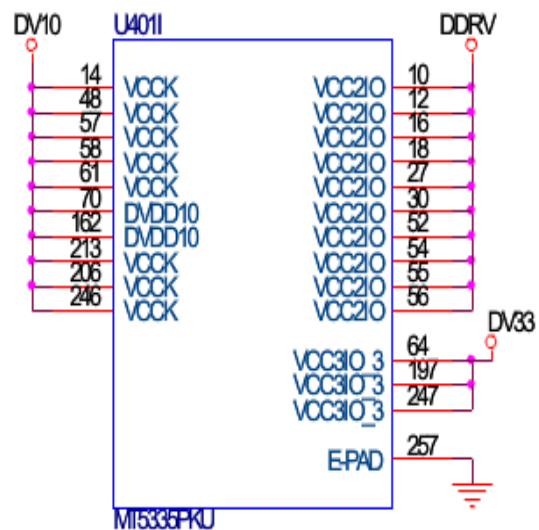
For OTS

Old: 1.Rx 2.Tx 3.Gnd

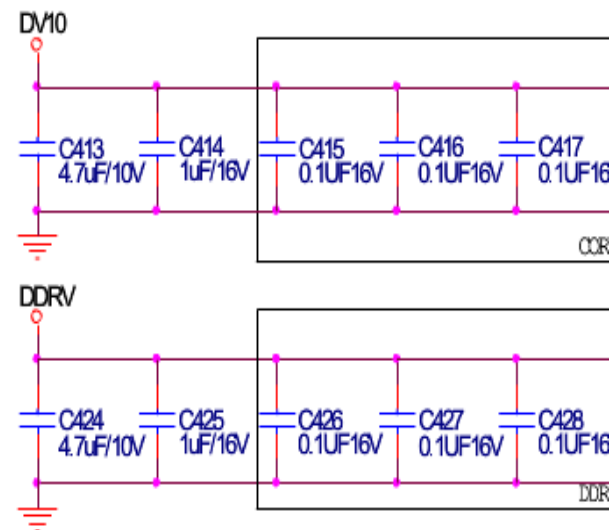


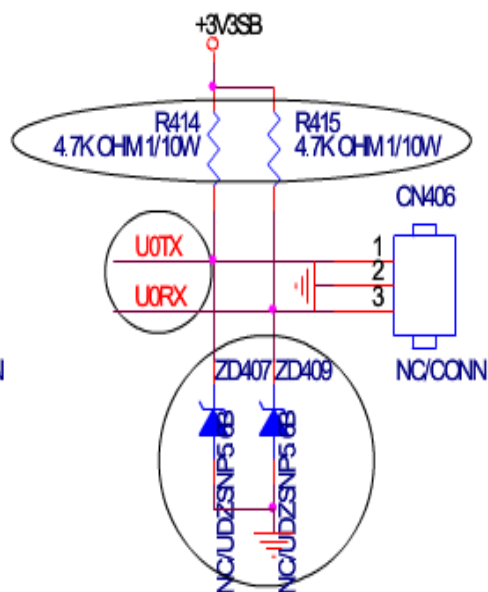
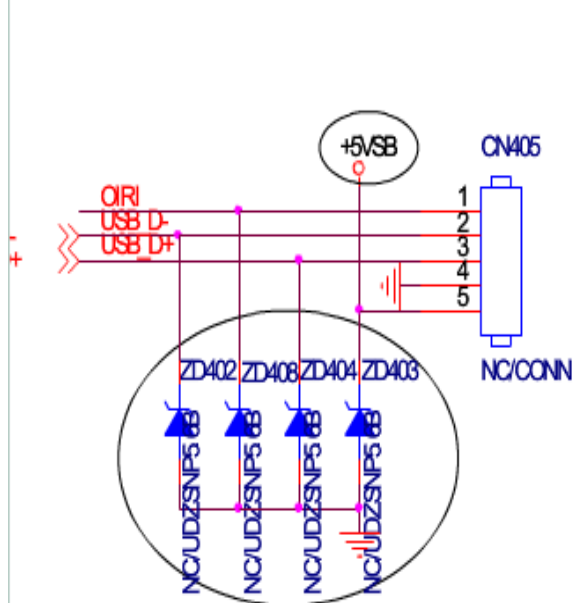
ACER 26'
TX, RX S

Old: 1.Rx

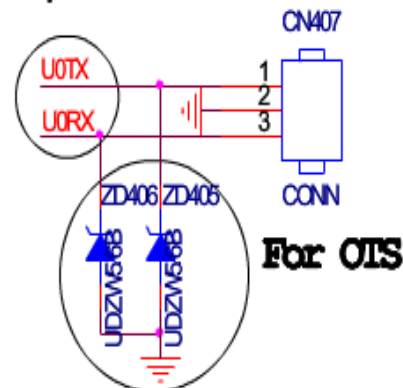


Trap Mode	OPWM2	AOBCK	AOLRCK
Normal mode	0	0	0
ICE mode	0	0	1
Trap Mode	OPCTRL5	OPCTRL4	
Core Reset 1 us	0 (AMP_MUTE)	1 (HPDIN)	



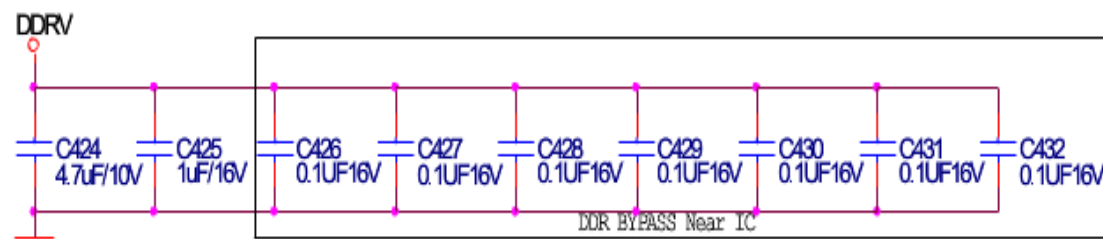
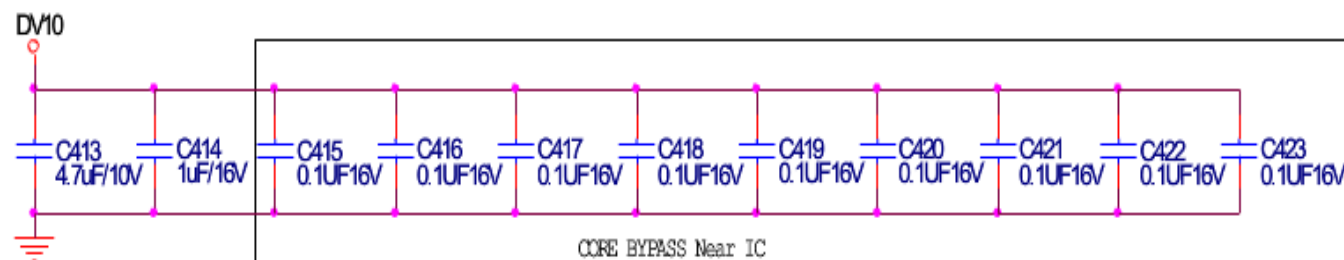
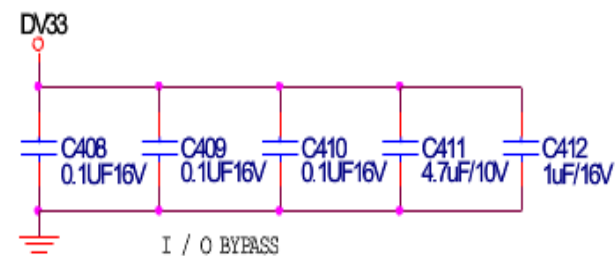
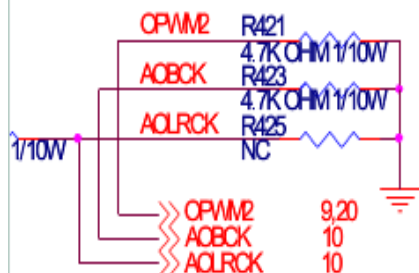


ACER 26" TV Code Updated TX, RX Same Define Changed

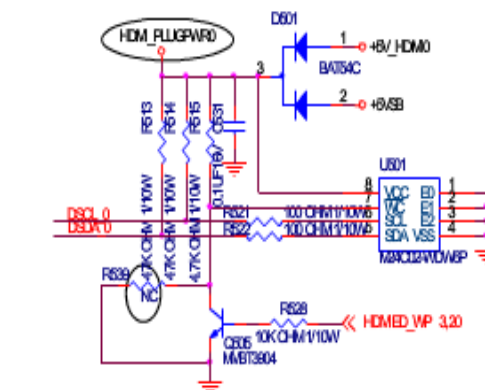
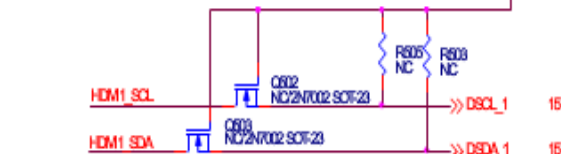


For OTS

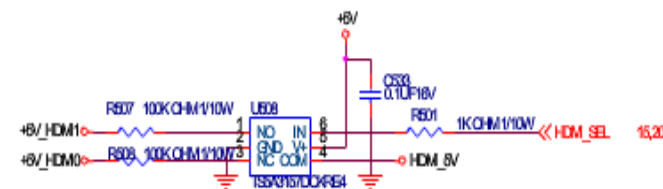
Old: 1.Rx 2.Tx 3.Gnd

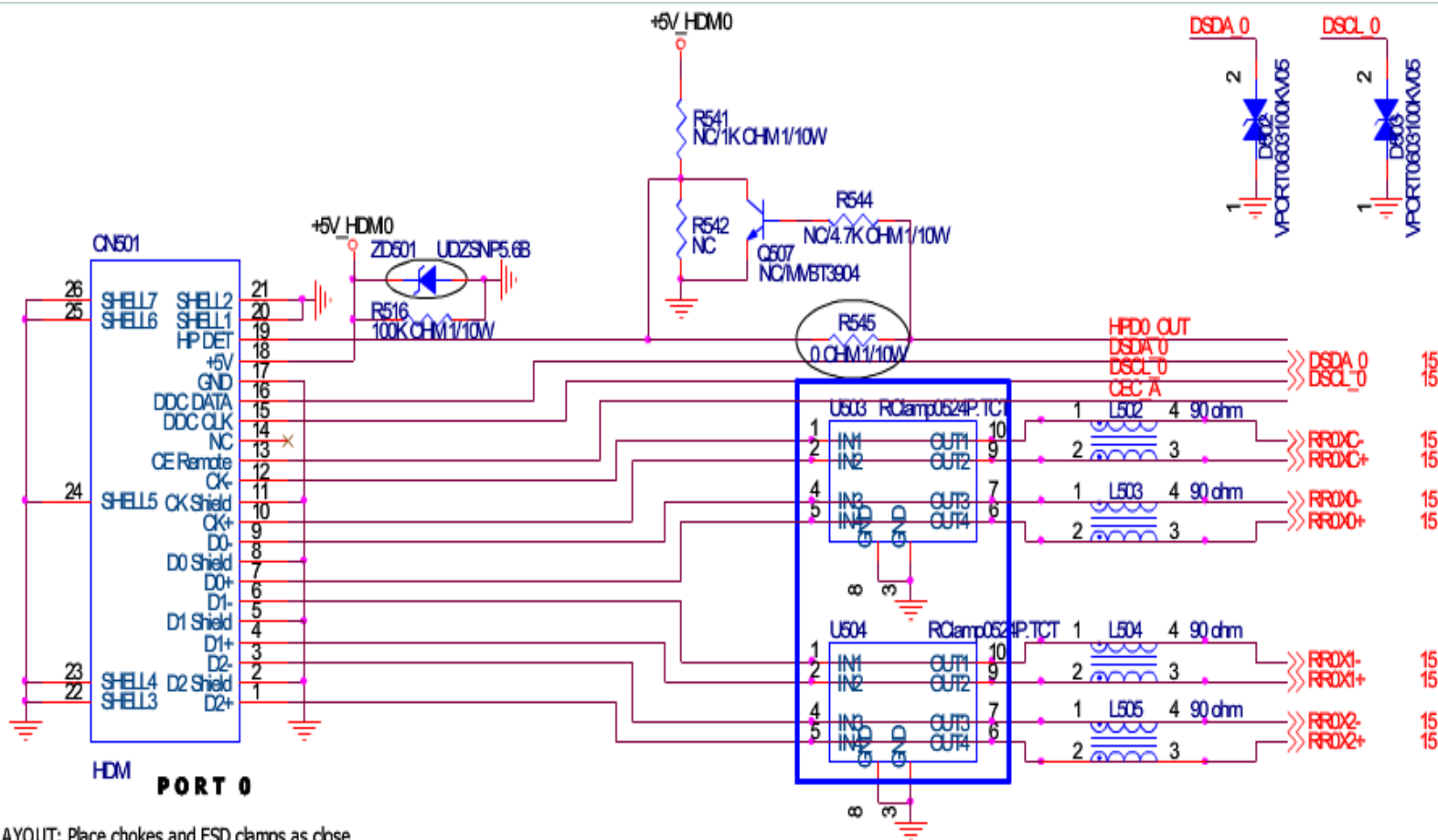


	OPWM2	AOBCK	AOLRCK
	0	0	0
	0	0	1
	OPCTRL5		OPCTRL4
	0 (BAPC M100P)		1 (DDR1M)

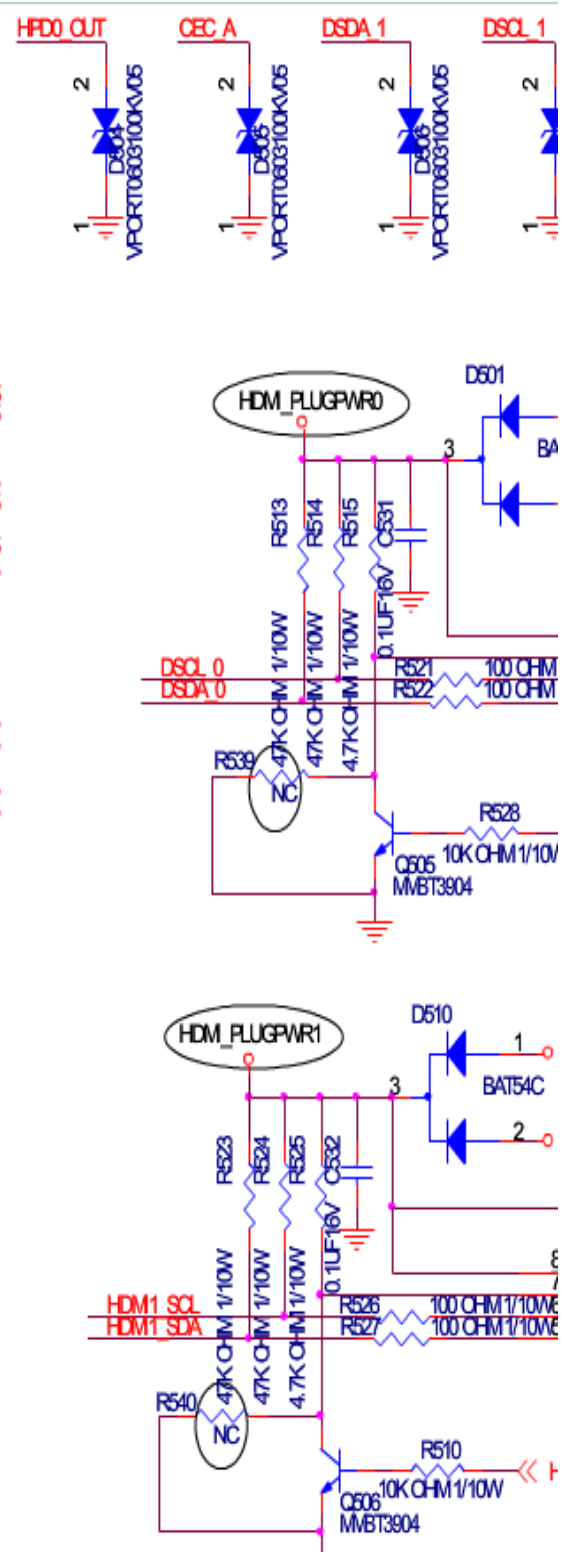
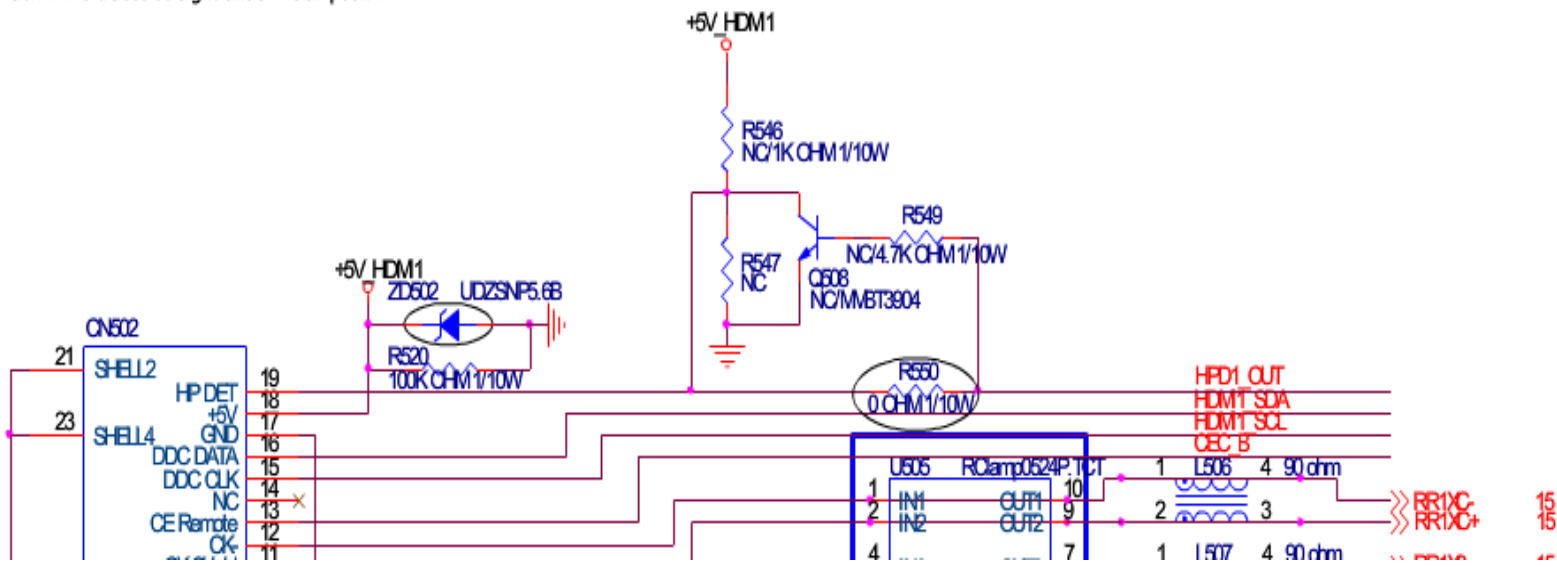
[illegible]

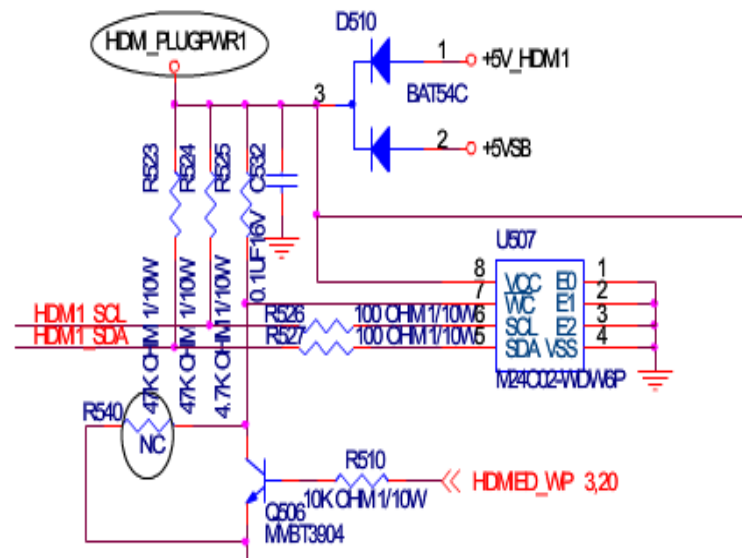
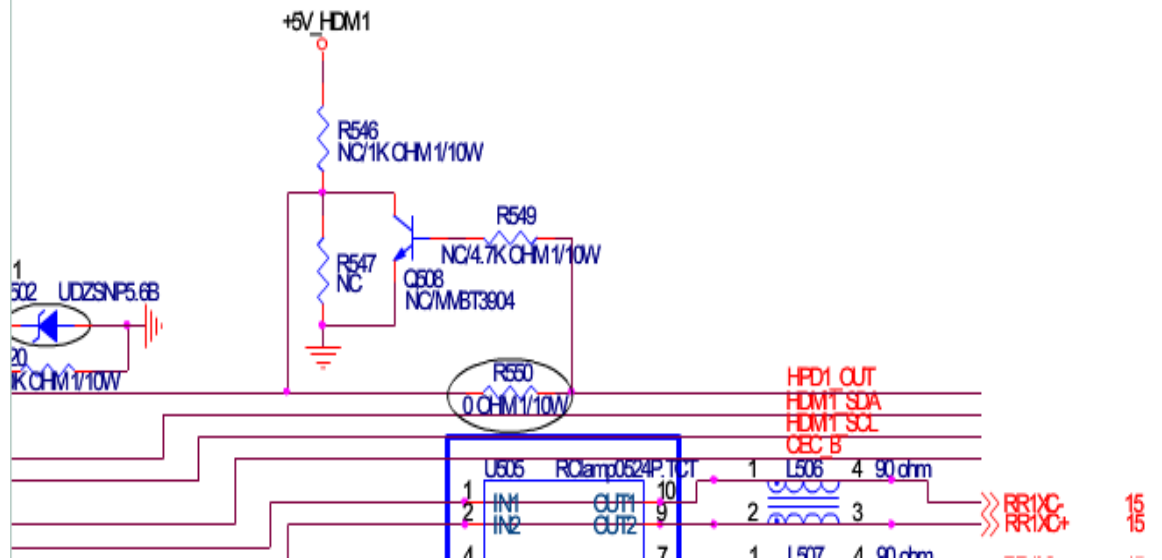
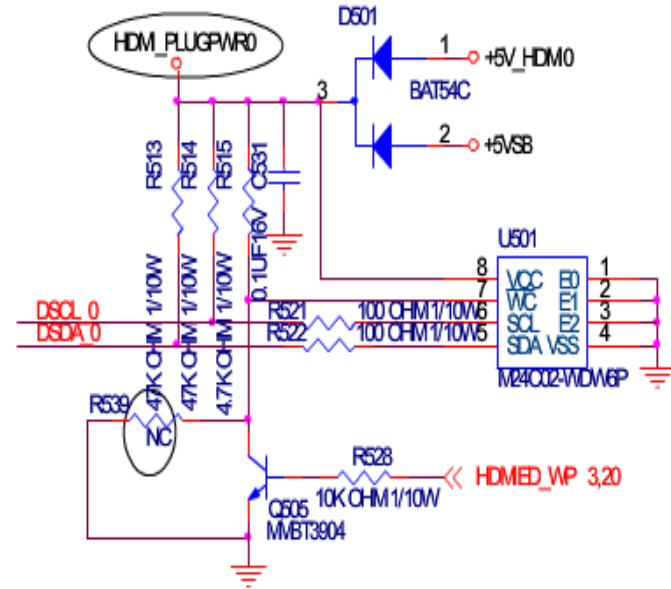
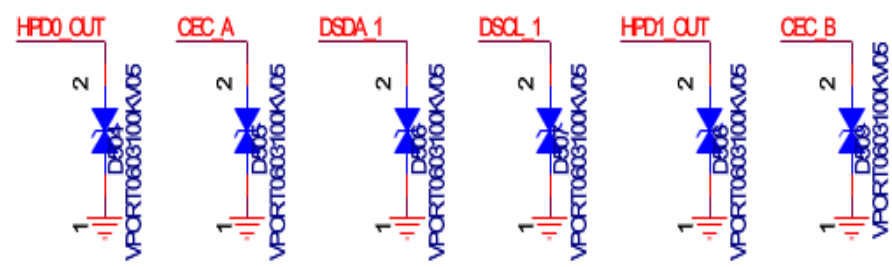
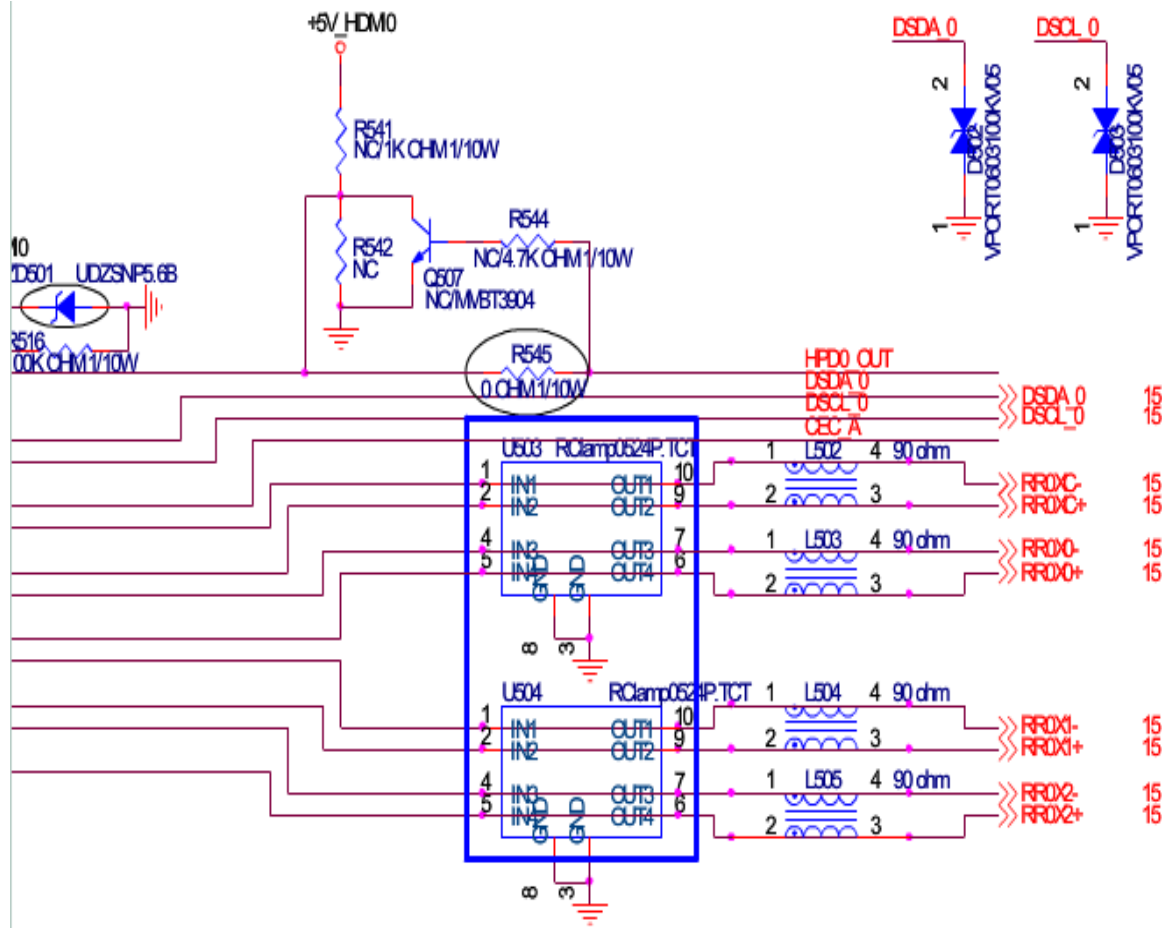
Signal	Pin	Function	Value
CEC_A	R529	0 CH/M110W	9,13
CEC_B	R530	0 CH/M110W	
HFDD_OUT	R517	NC	15
HFDD1_OUT	R519	NC	15
HFDD1_OUT	R513	0 CH/M110W	15,2
HFDD1_OUT	R548	0 CH/M110W	20

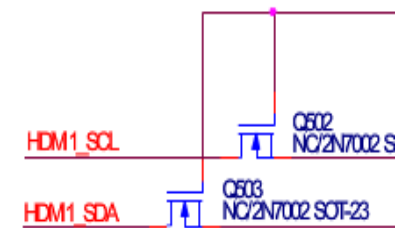
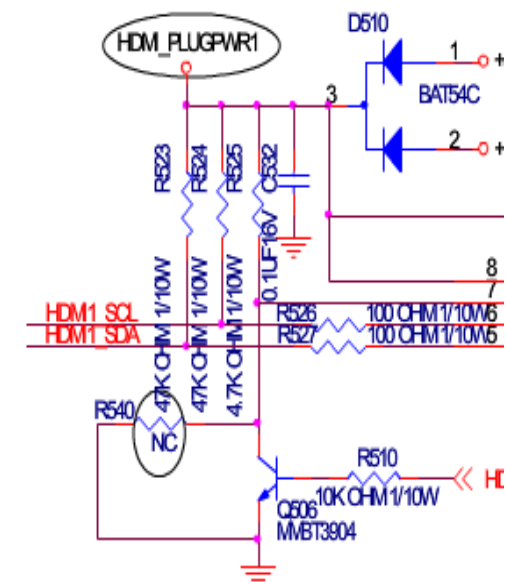
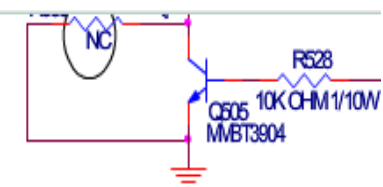




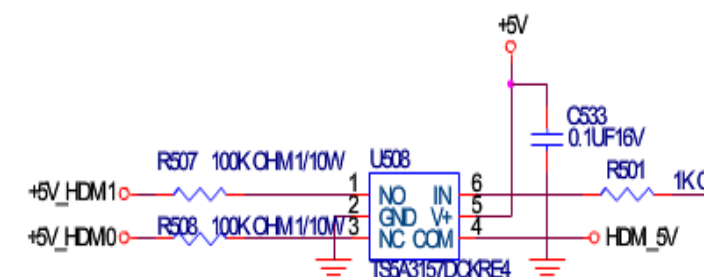
LAYOUT: Place chokes and ESD clamps as close as possible to HDMI connector.
100ohm differential impedance for TMDS traces.
Track TMDS traces straight under RClamp0524P.

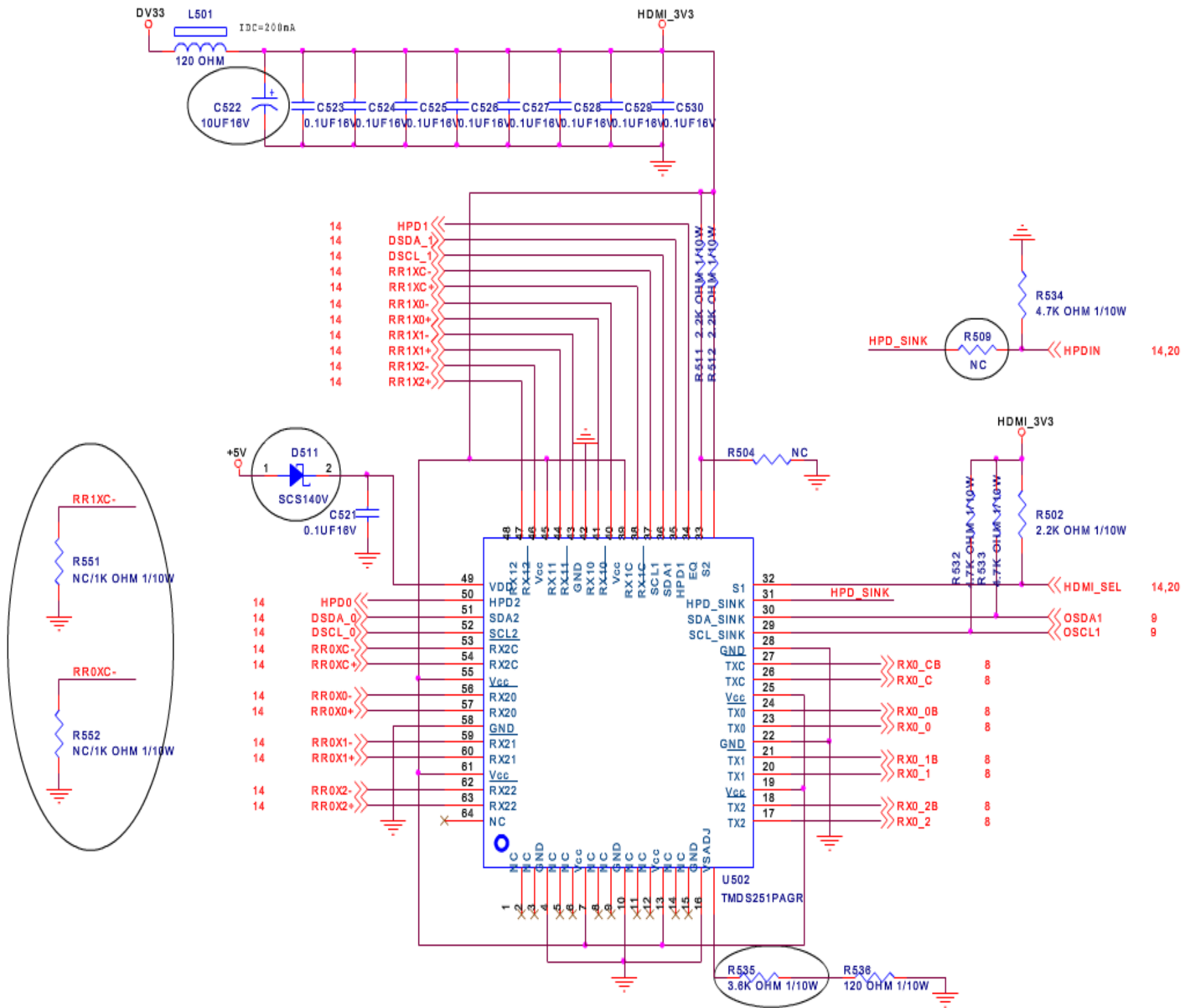


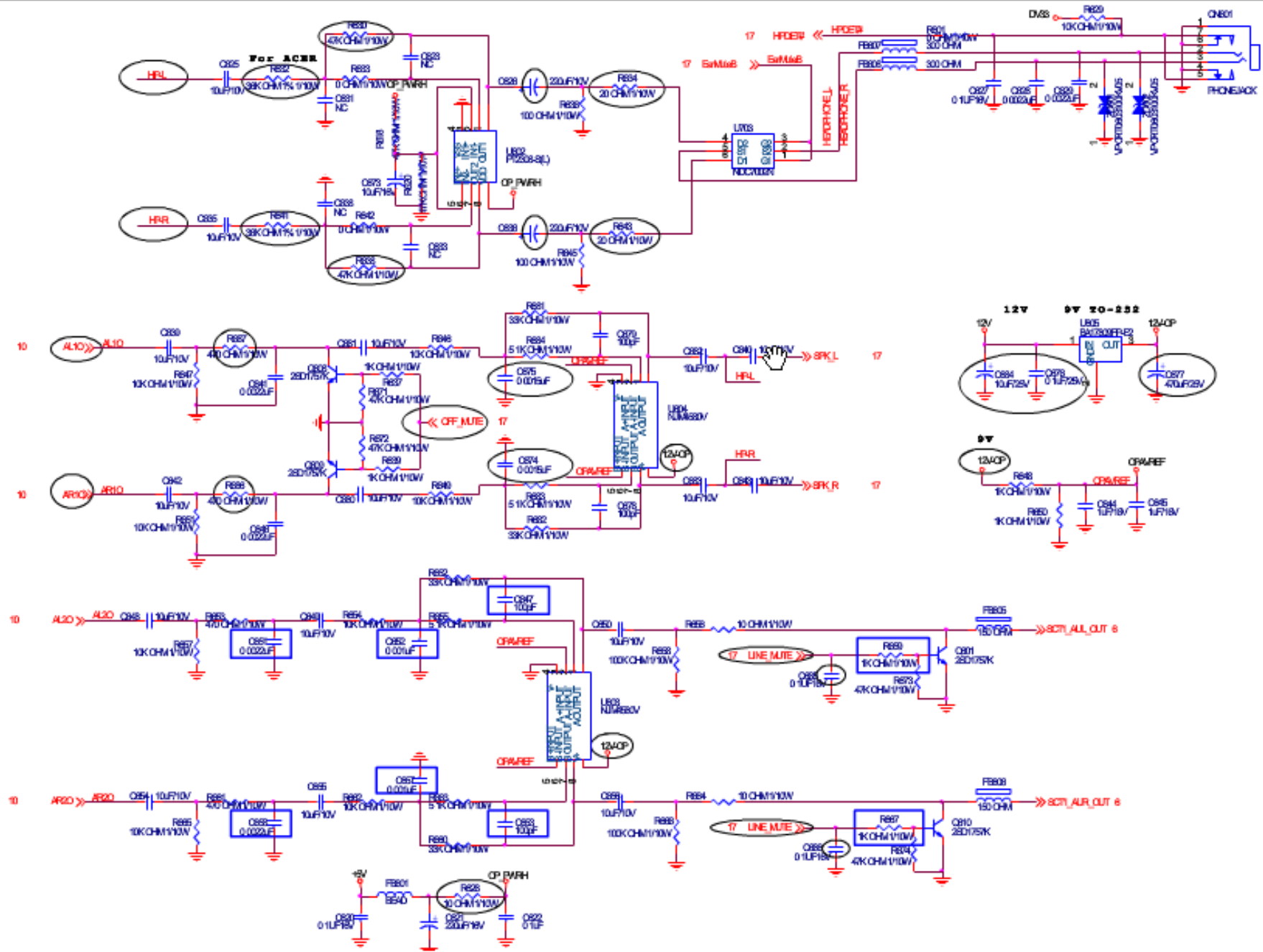


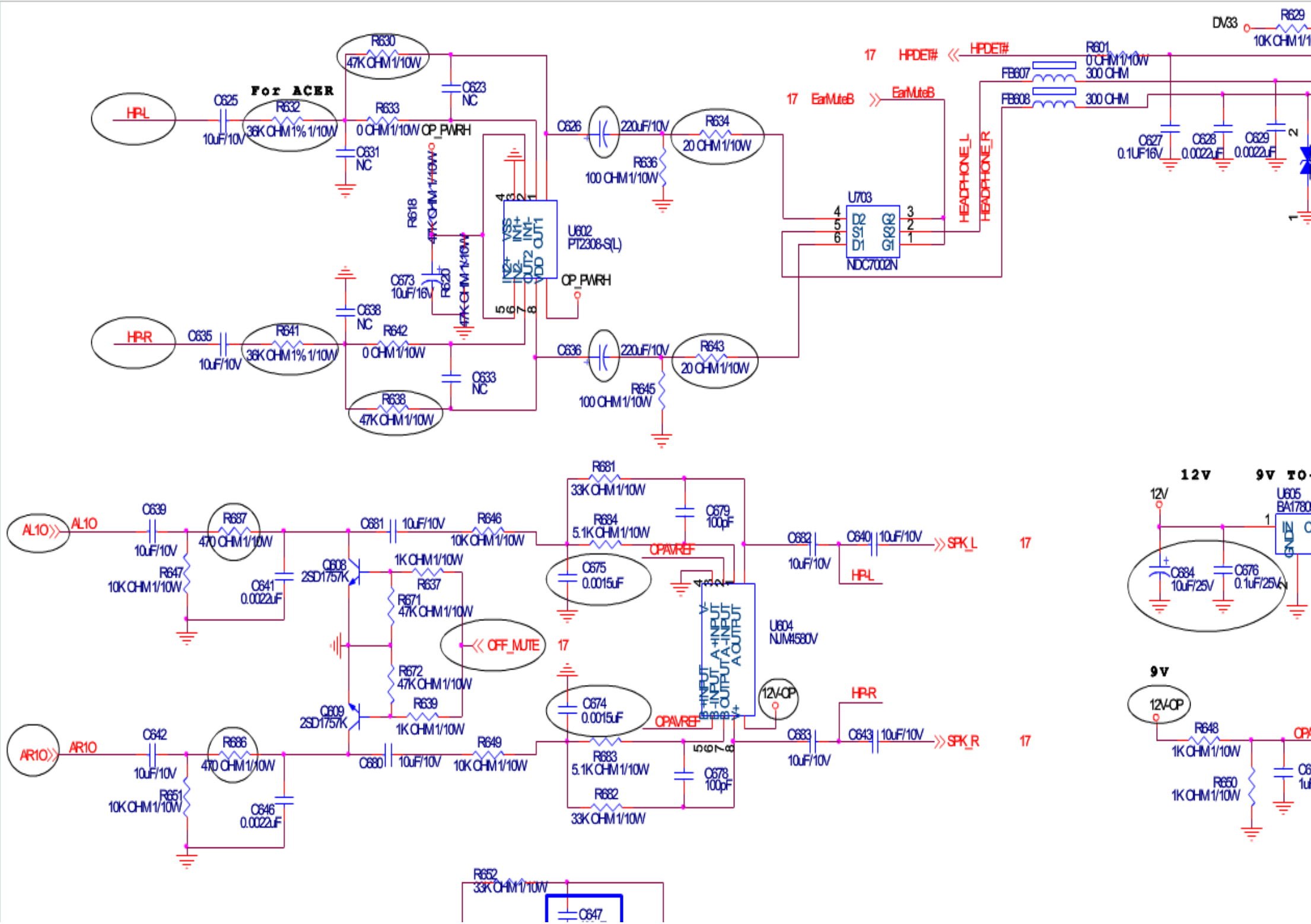


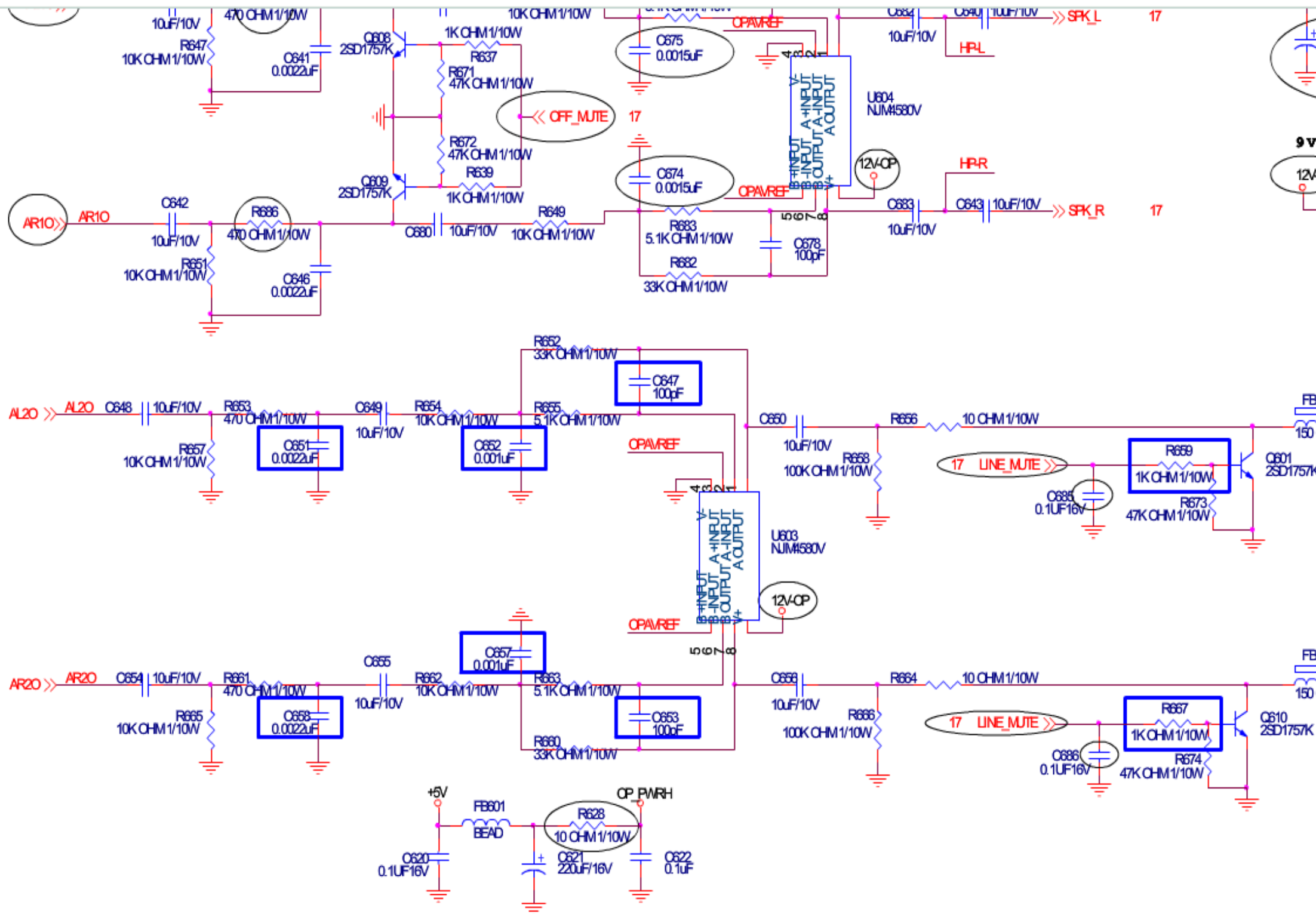
Signal	Resistor	Value	Power	Pin
CEC_A	R529	0 OHM	1/10W	9,13
CEC_B	R530	0 OHM	1/10W	
HPD0_OUT	R517	NC		15
HPD1_OUT	R519	NC		15
HPD0_OUT	R543	0 OHM	1/10W	15,20
HPD1_OUT	R548	0 OHM	1/10W	20

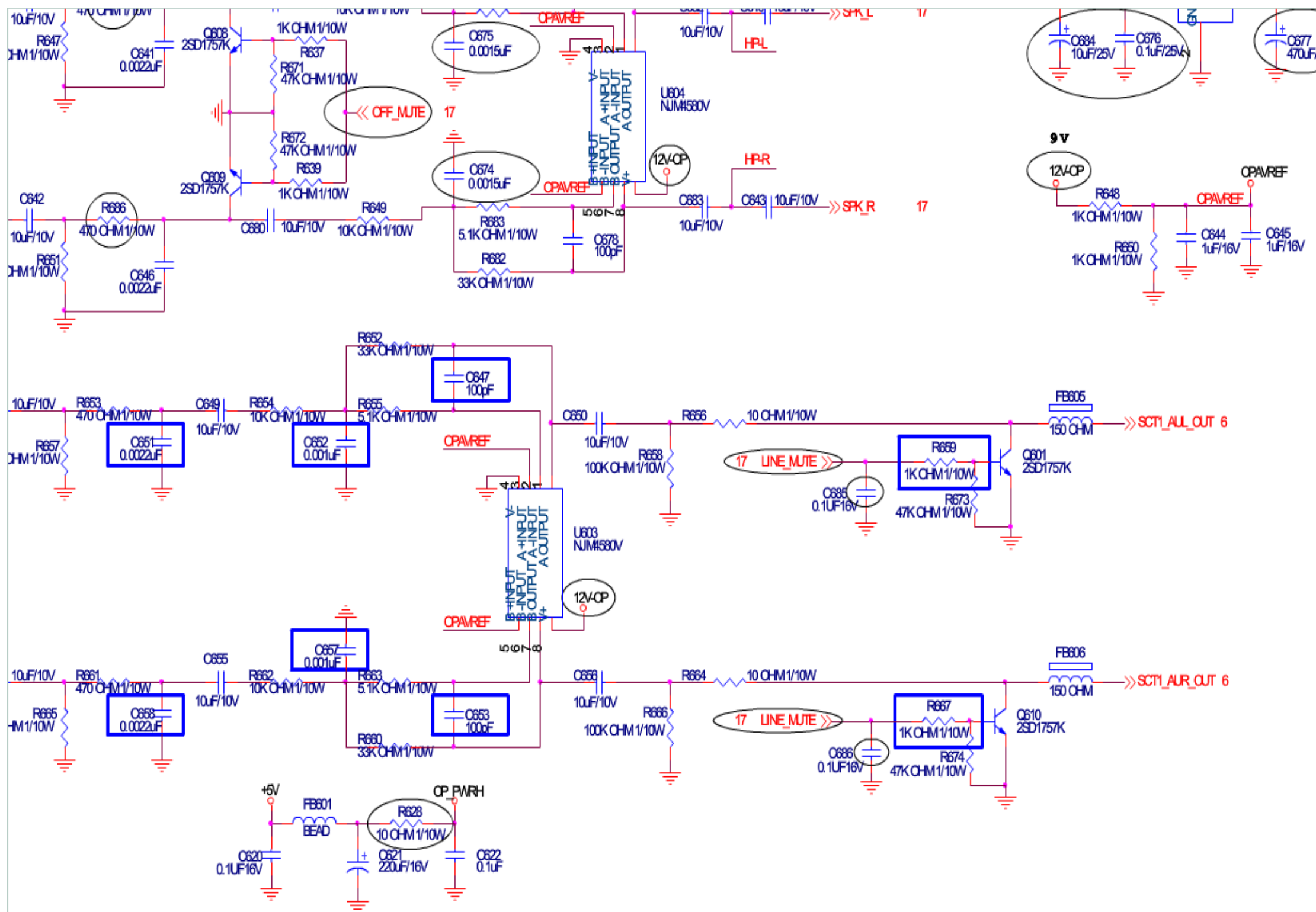


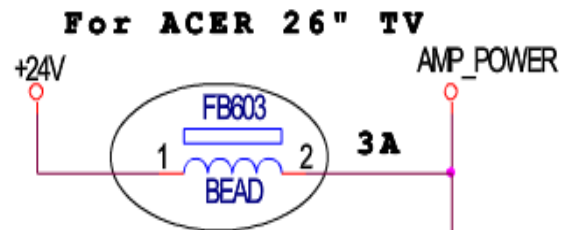
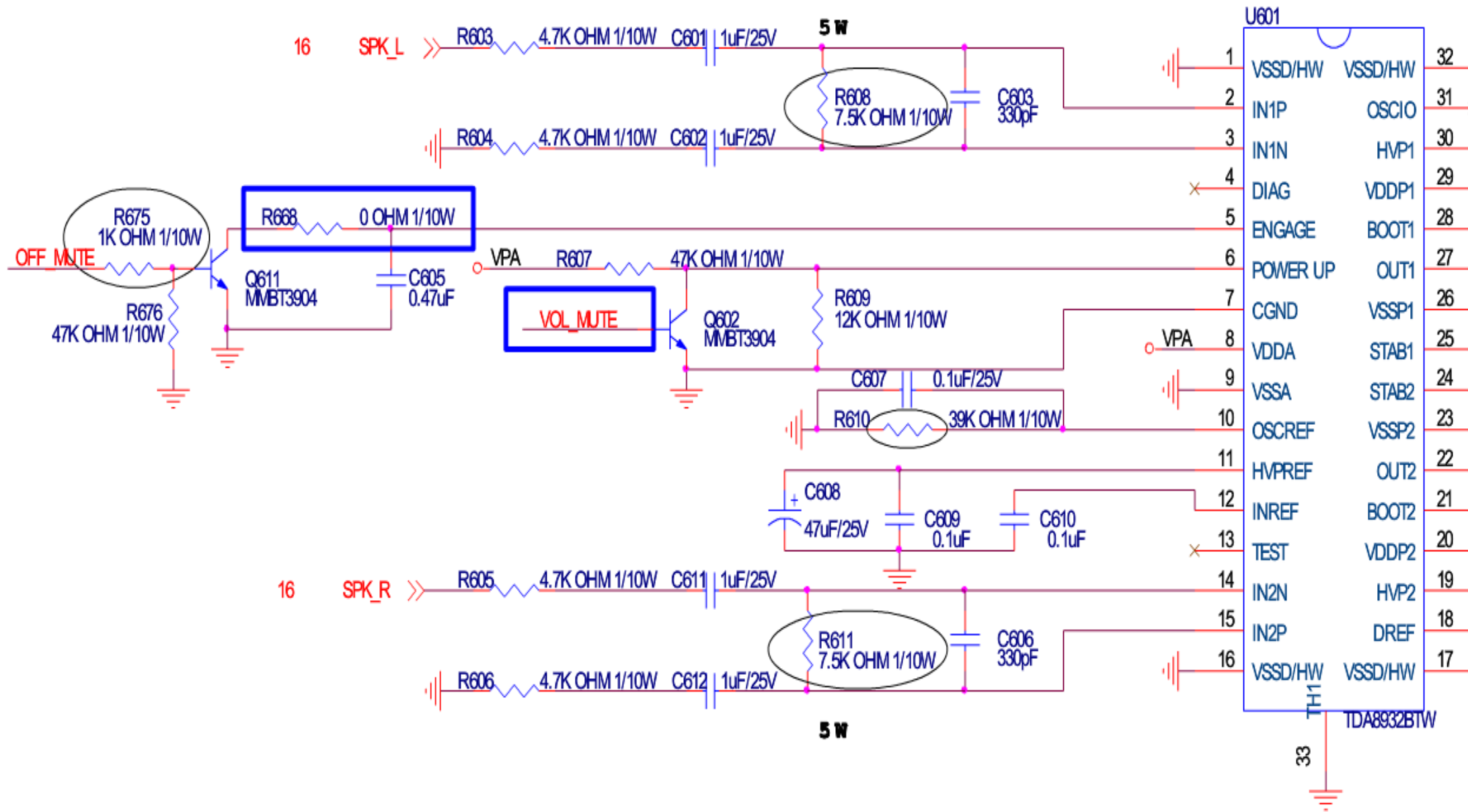


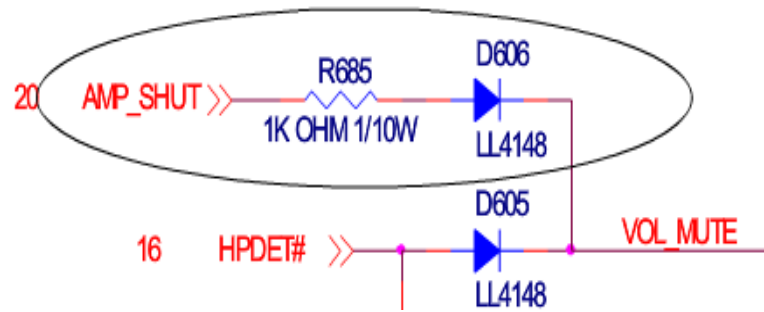
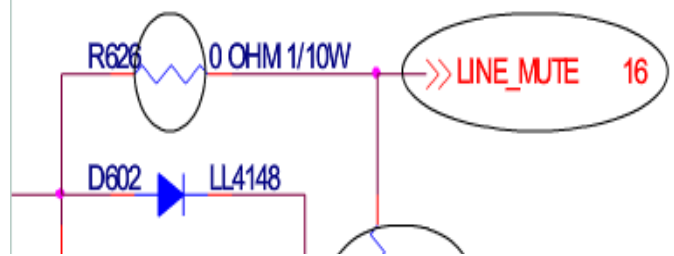
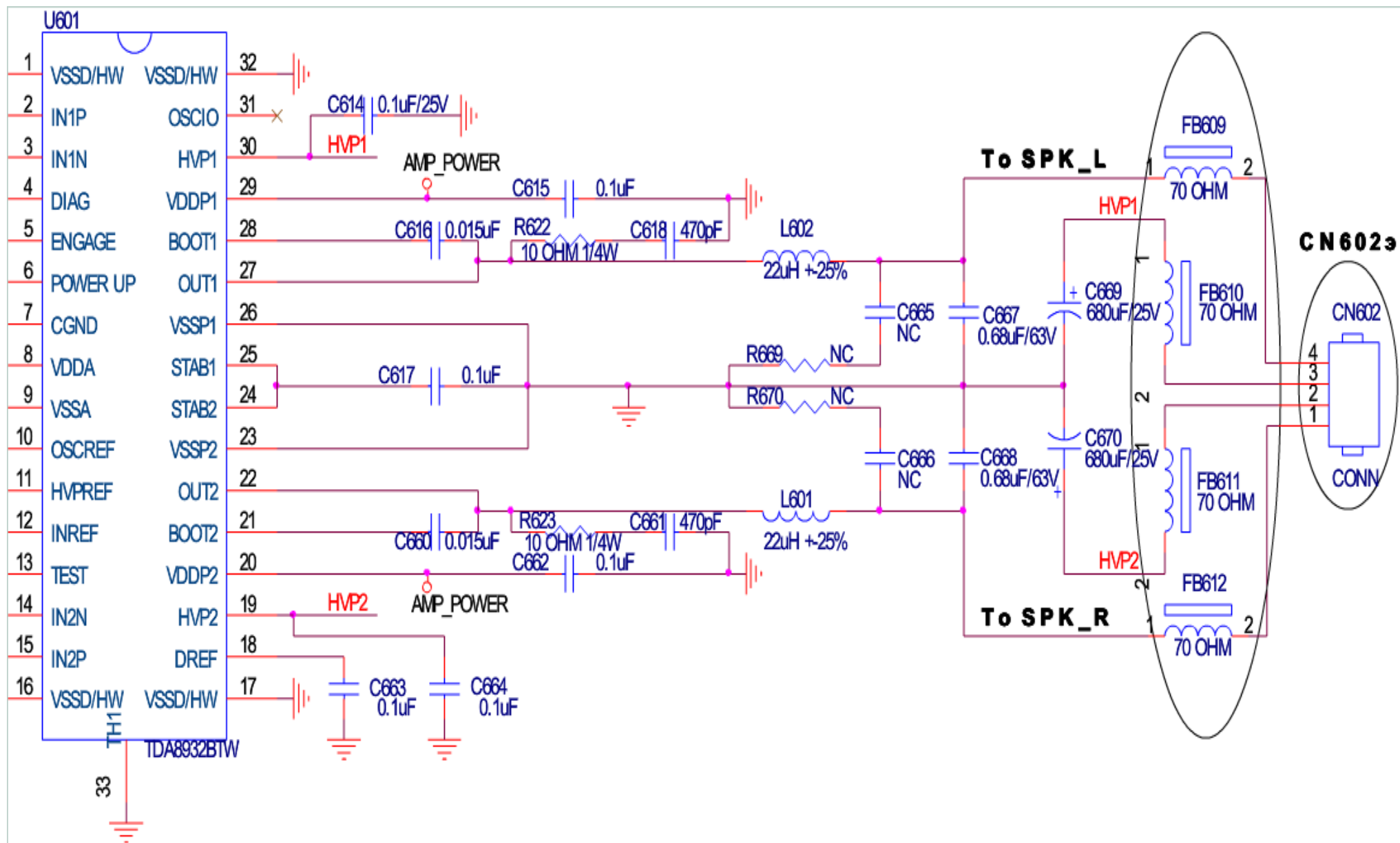


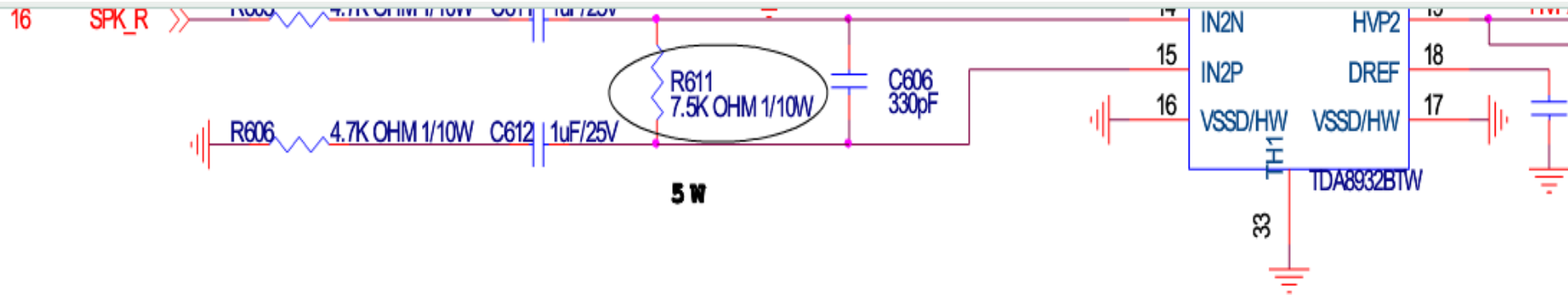




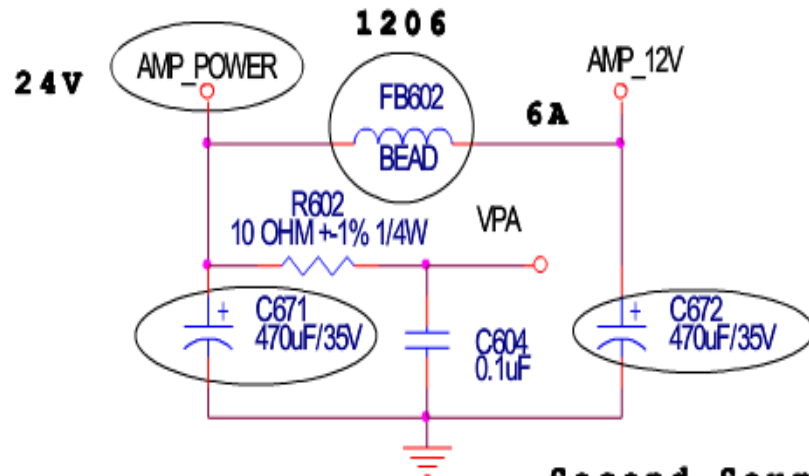
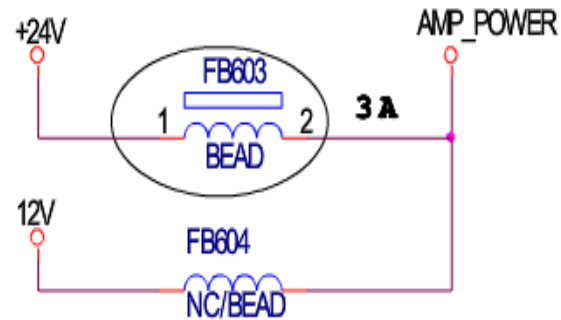




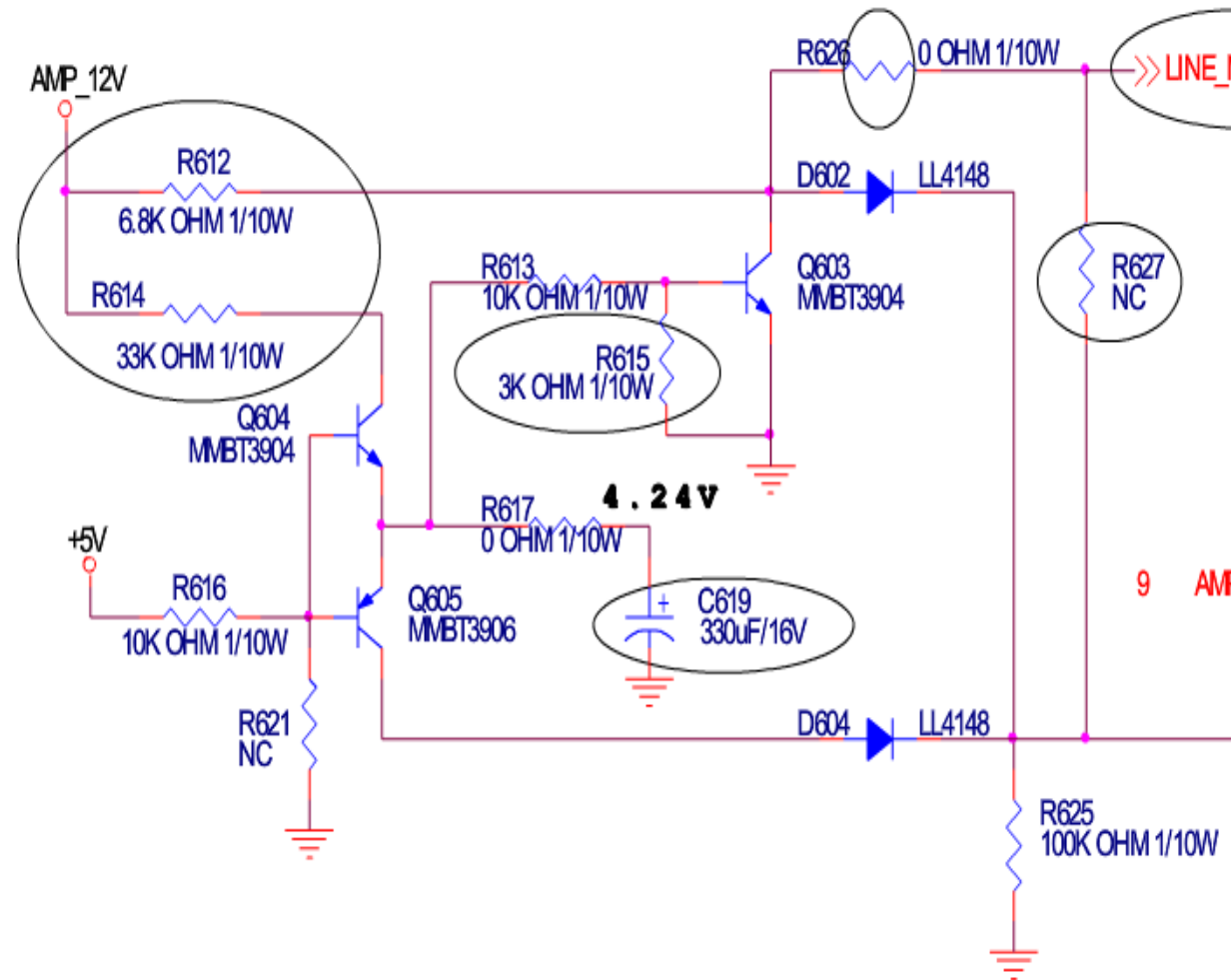


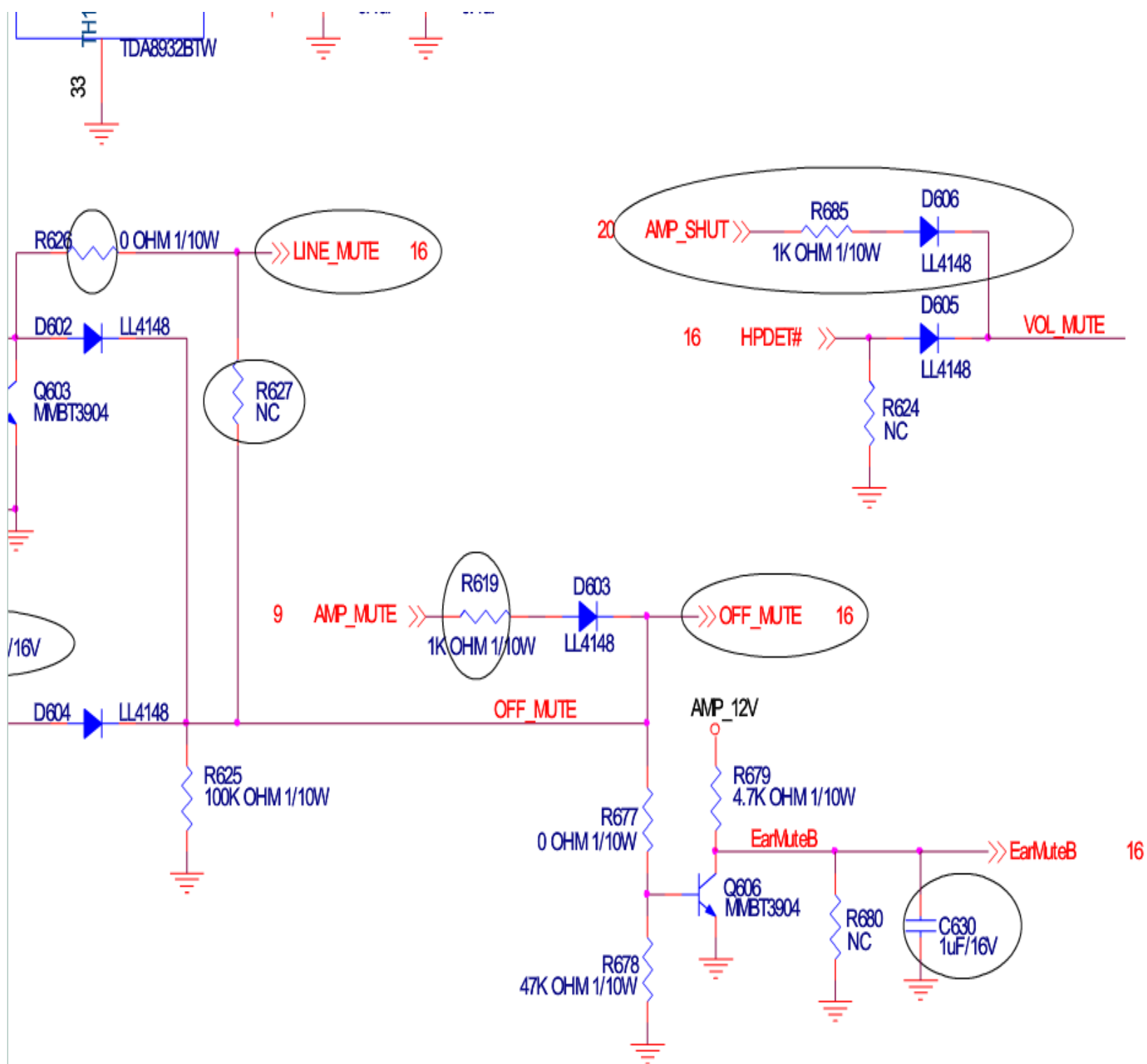


For ACER 26" TV



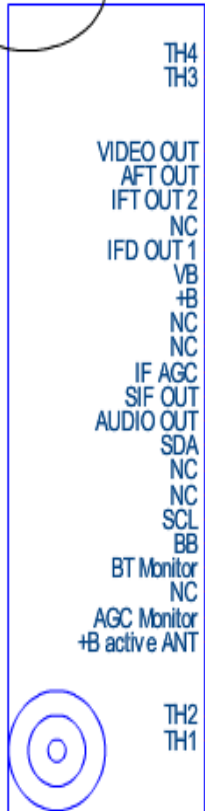
Second Source
67T215S4716KV



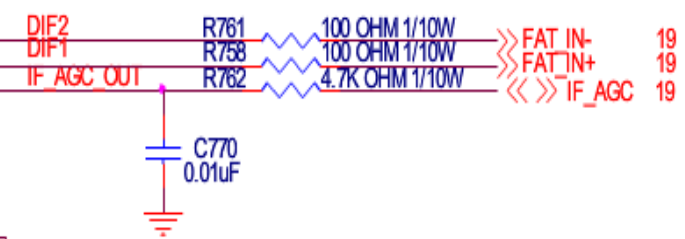
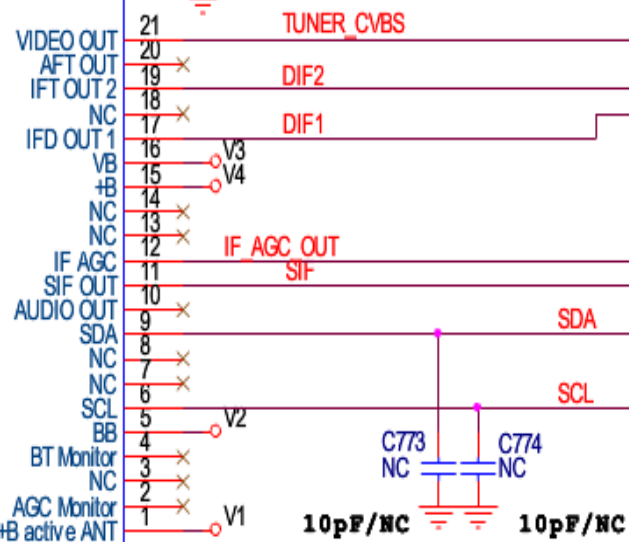


Panasonic TUNER
ENG37E14RF

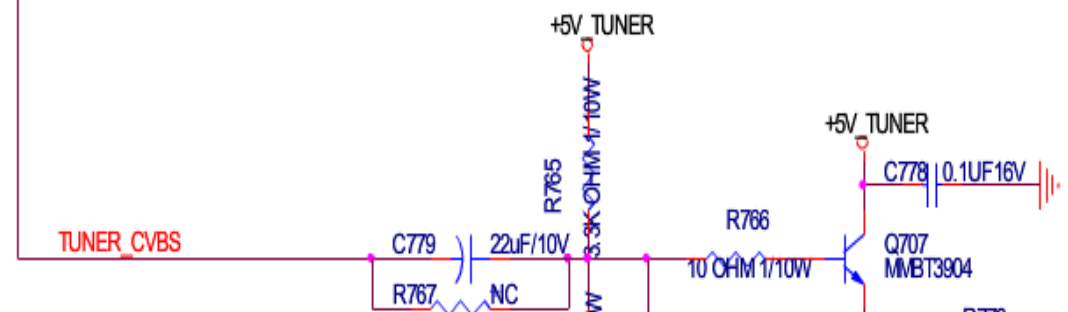
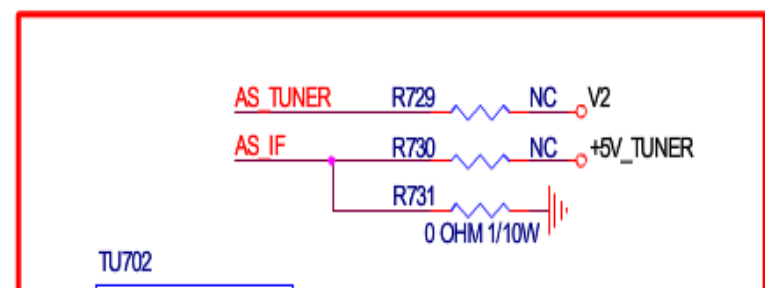
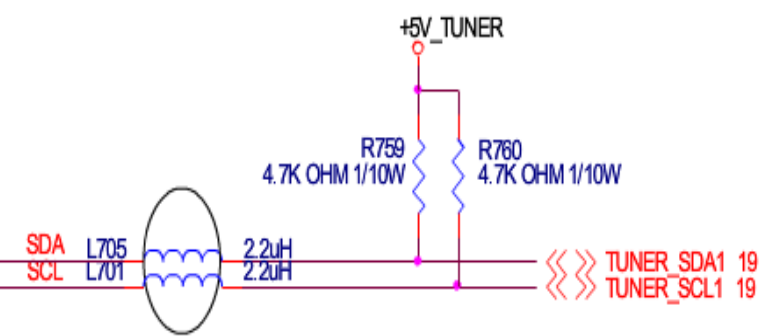
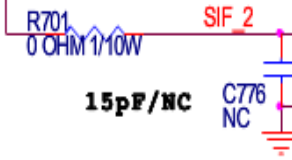
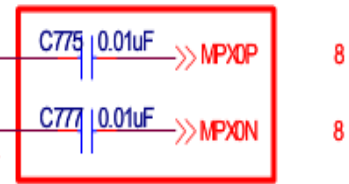
TU701

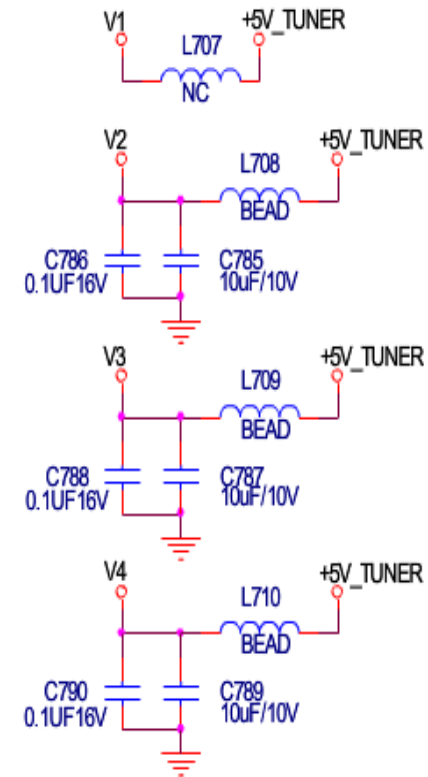
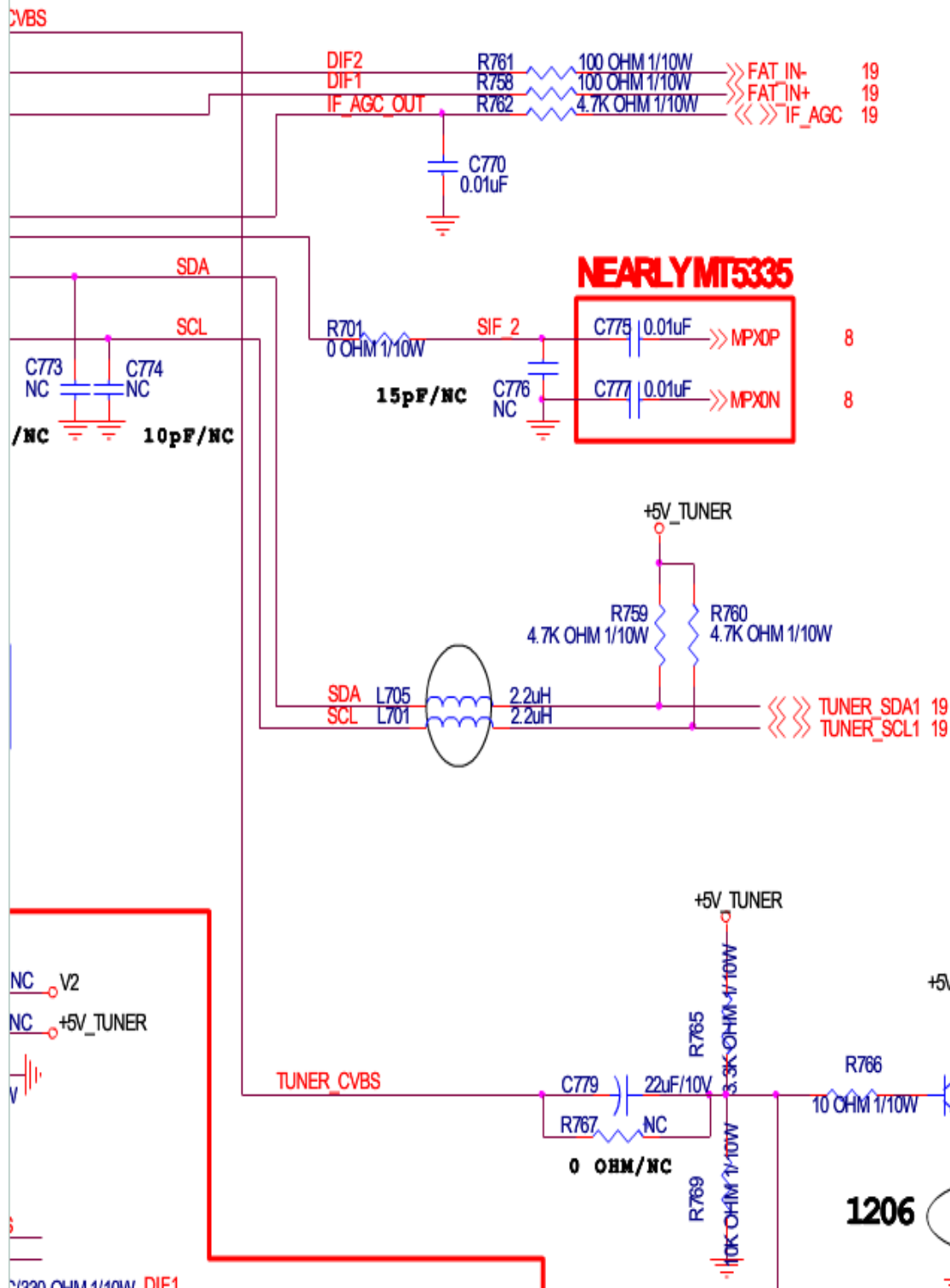


Tuner ñ

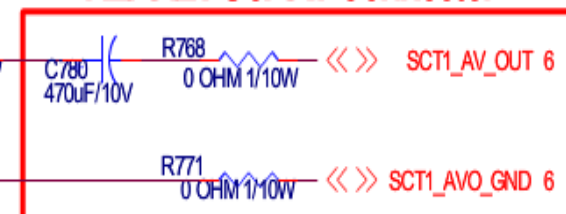


NEARLY MT5335





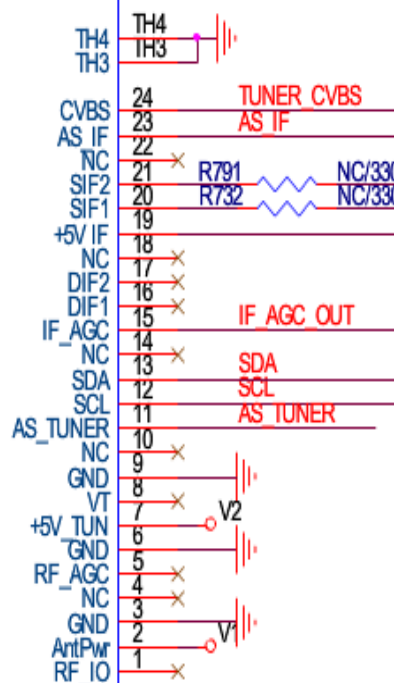
NEARLY SCART Connector



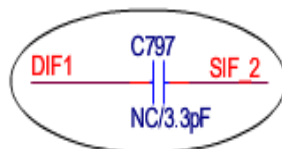
Tuner

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TU702



NC/NXP FQD1116ME



TUNER_CVBS

0 OHM/NC

+5V TUNER

R765

R769

1206



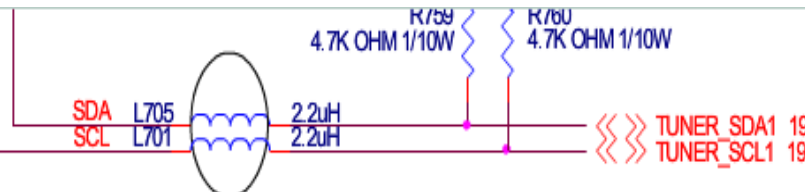
1206



R776 75 OHM for NXP Tu

Close to

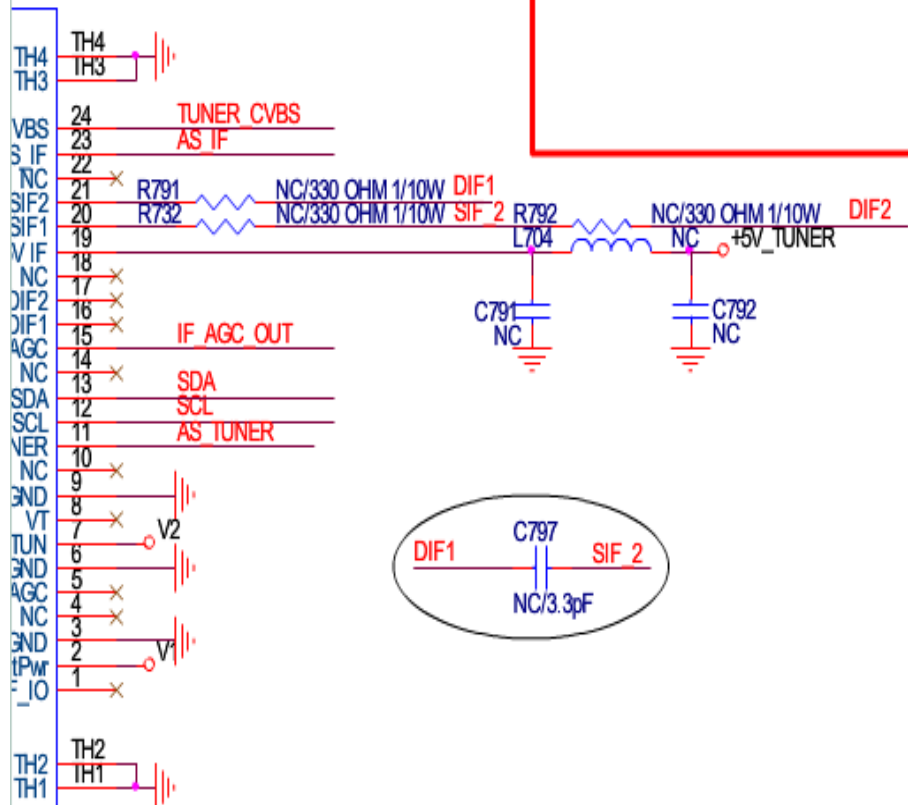
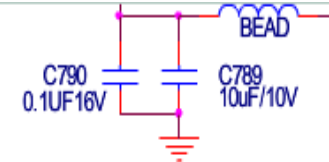
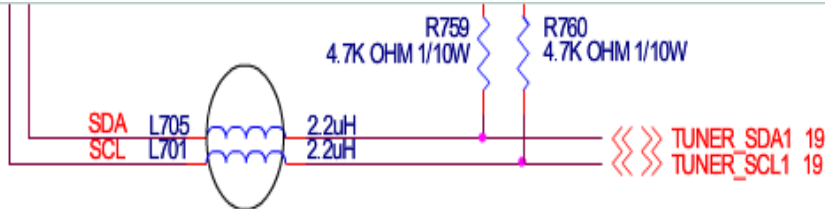
NEARLYS



C790 0.1uF16V

TUNER_SDA1 19
TUNER_SCL1 19

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TUNER CVBS

0 OHM/NC

+5V TUNER

R765 3.3K OHM 1/10W
R769 10K OHM 1/10W

1206

R772

1206

+5V TUNER

+5V TUNER

C778 0.1uF16V
C781 0.1uF16V

Q707 MMBT3904
Q708 MMBT3904

AVCVBS0

R773 75 OHM 1/10W

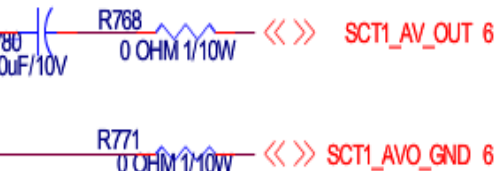
R775 75 OHM 1/4W

R776 NC

C783 47pF
R777 0 OHM 1/10W

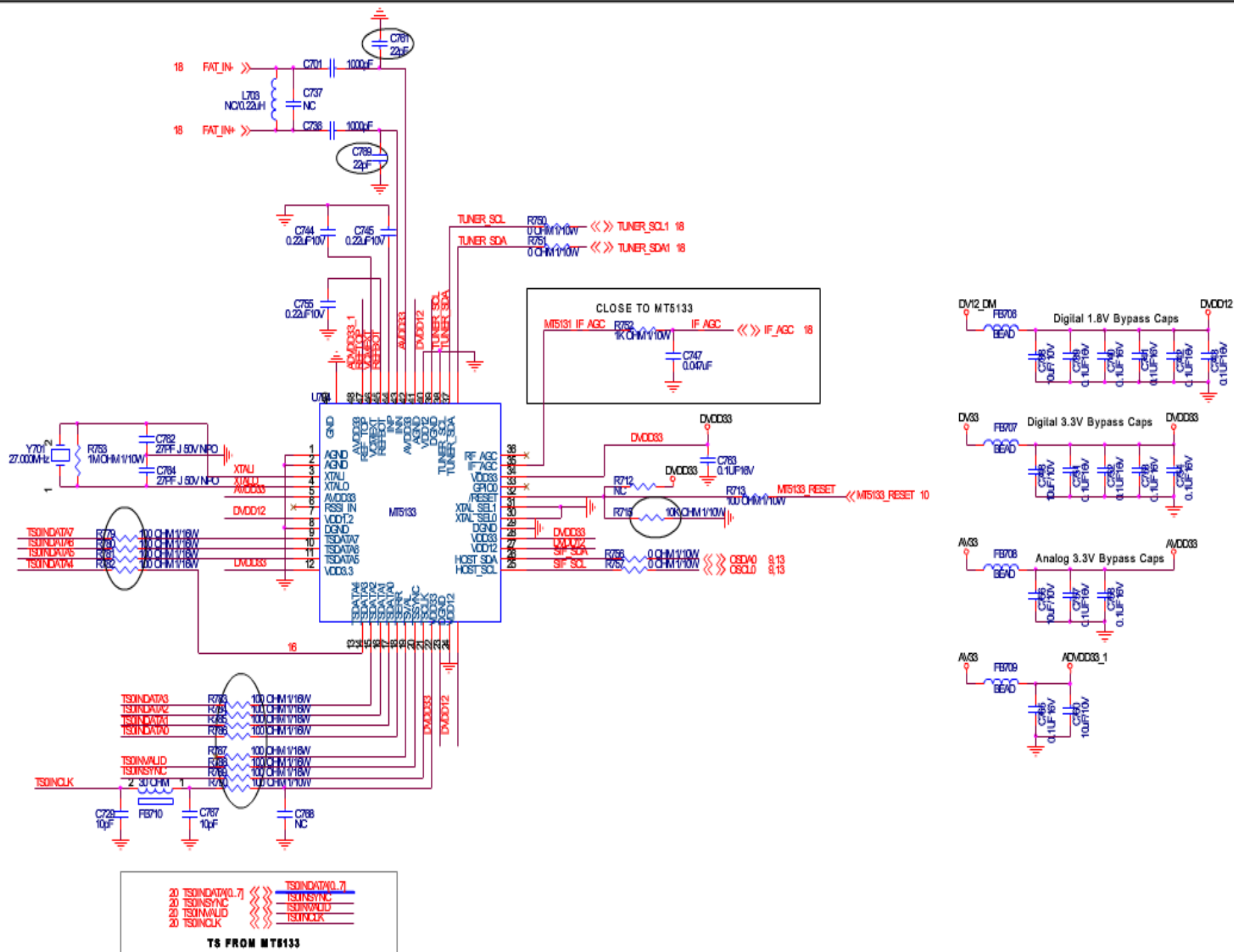
CVBS0 5
GND_TUNER 5

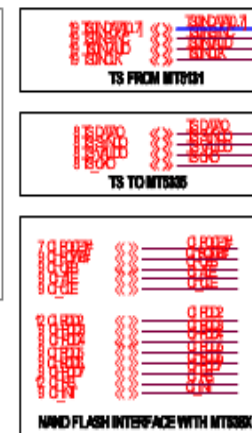
NEARLY SCART Connector

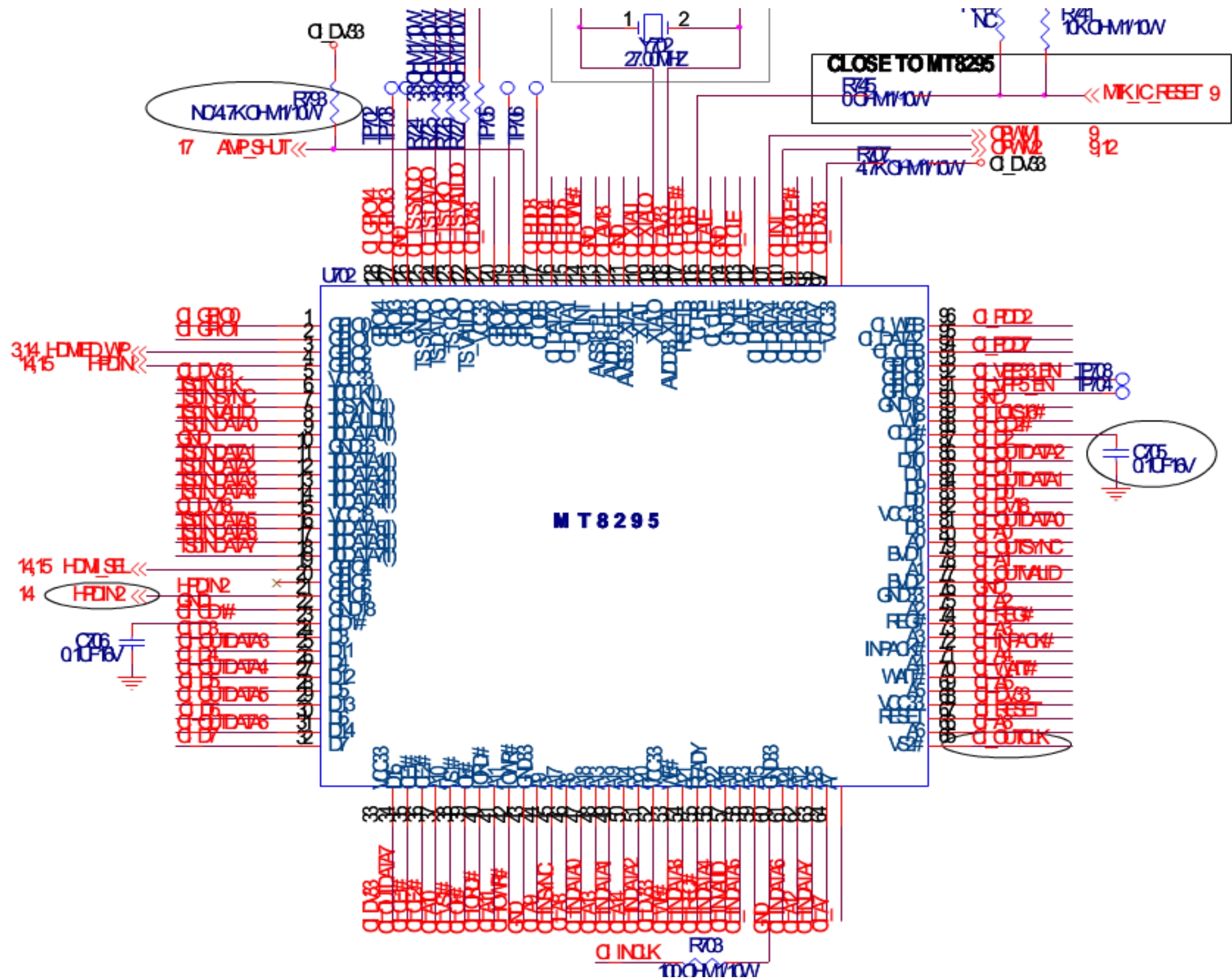


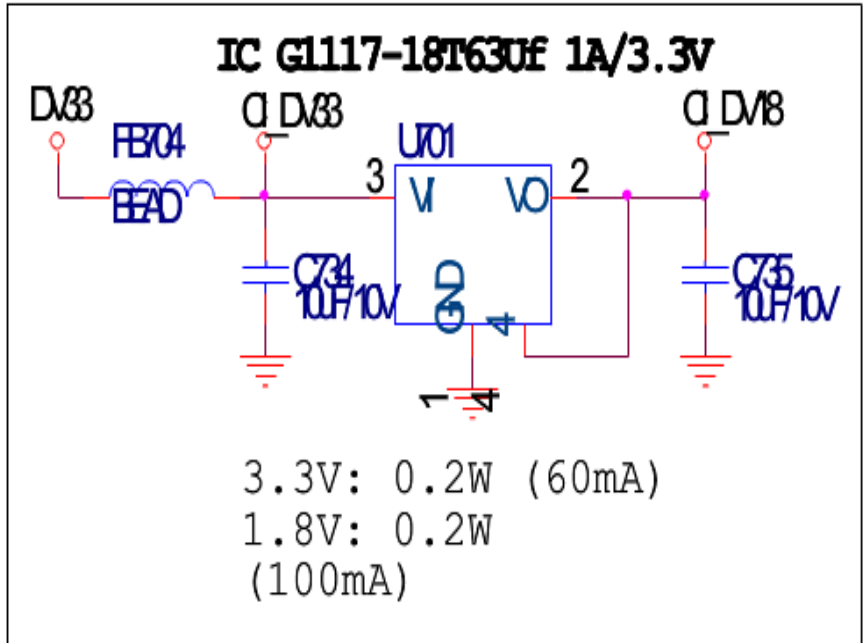
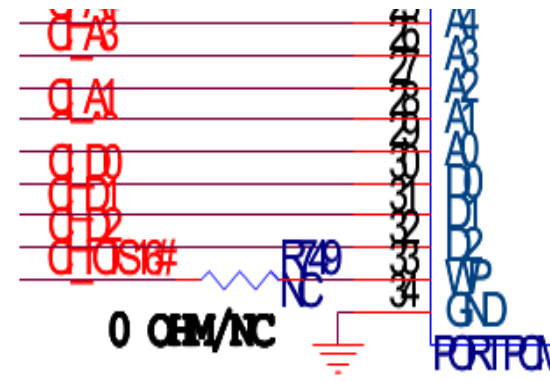
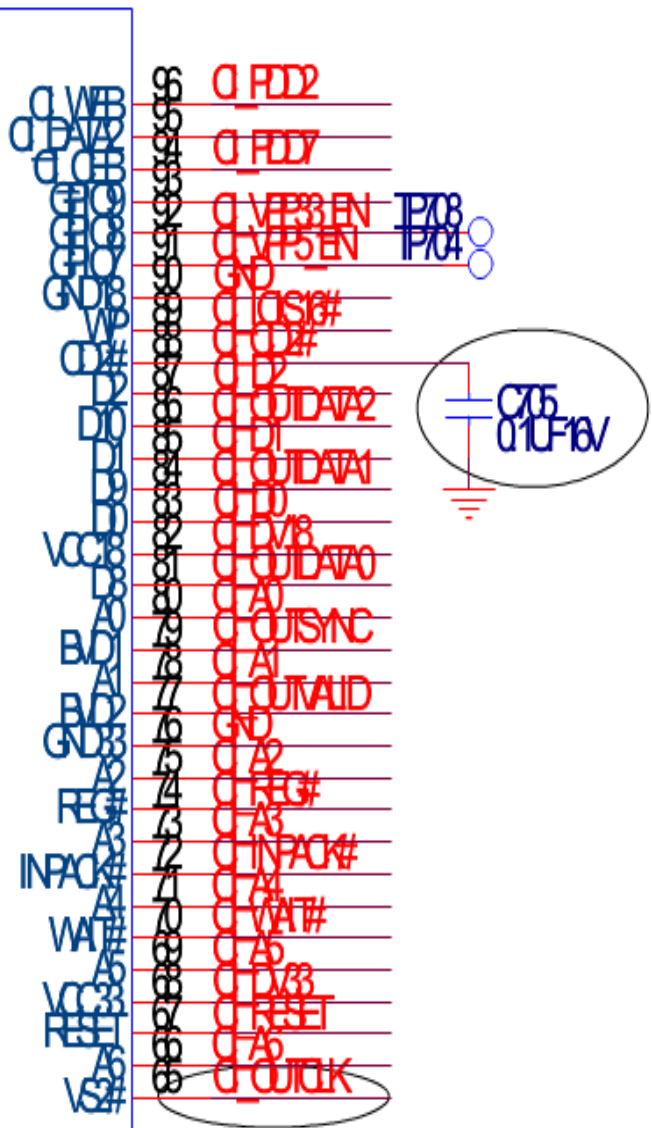
Close to Tuner

R776 75 OHM for NXP Tuner

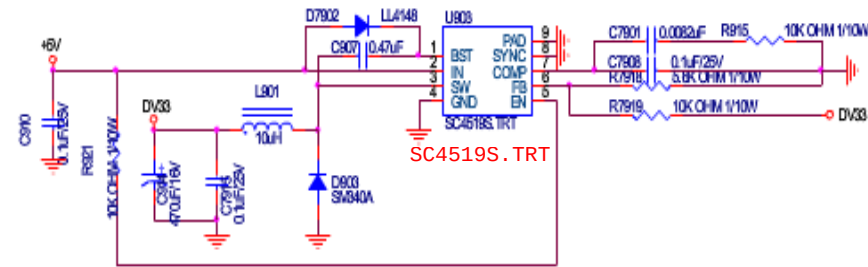
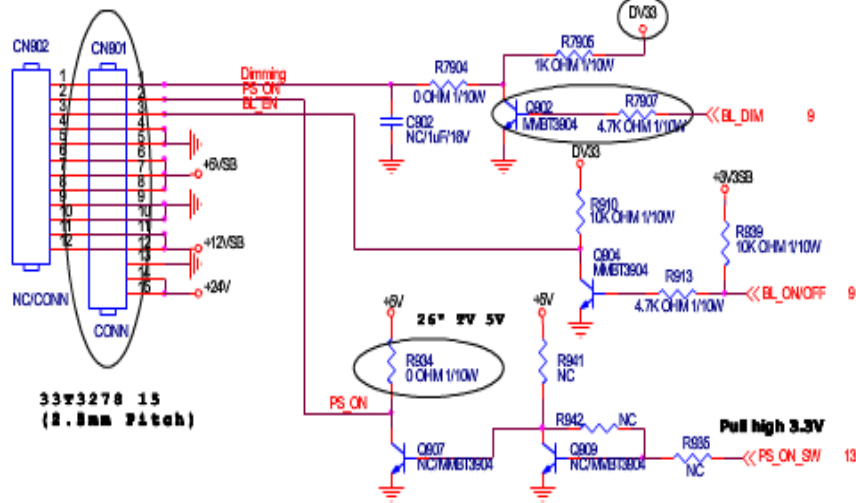




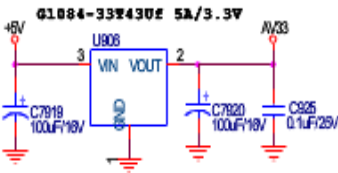




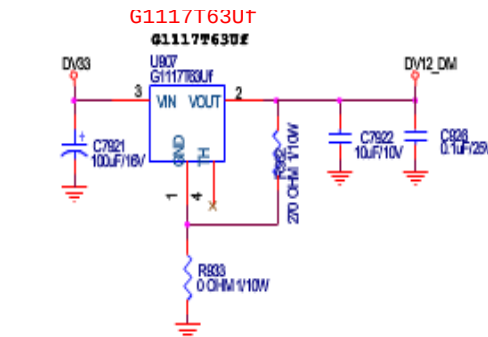
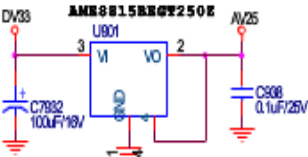
CN901 For 26" TV



G1084-33T430uf 5A/3.3v

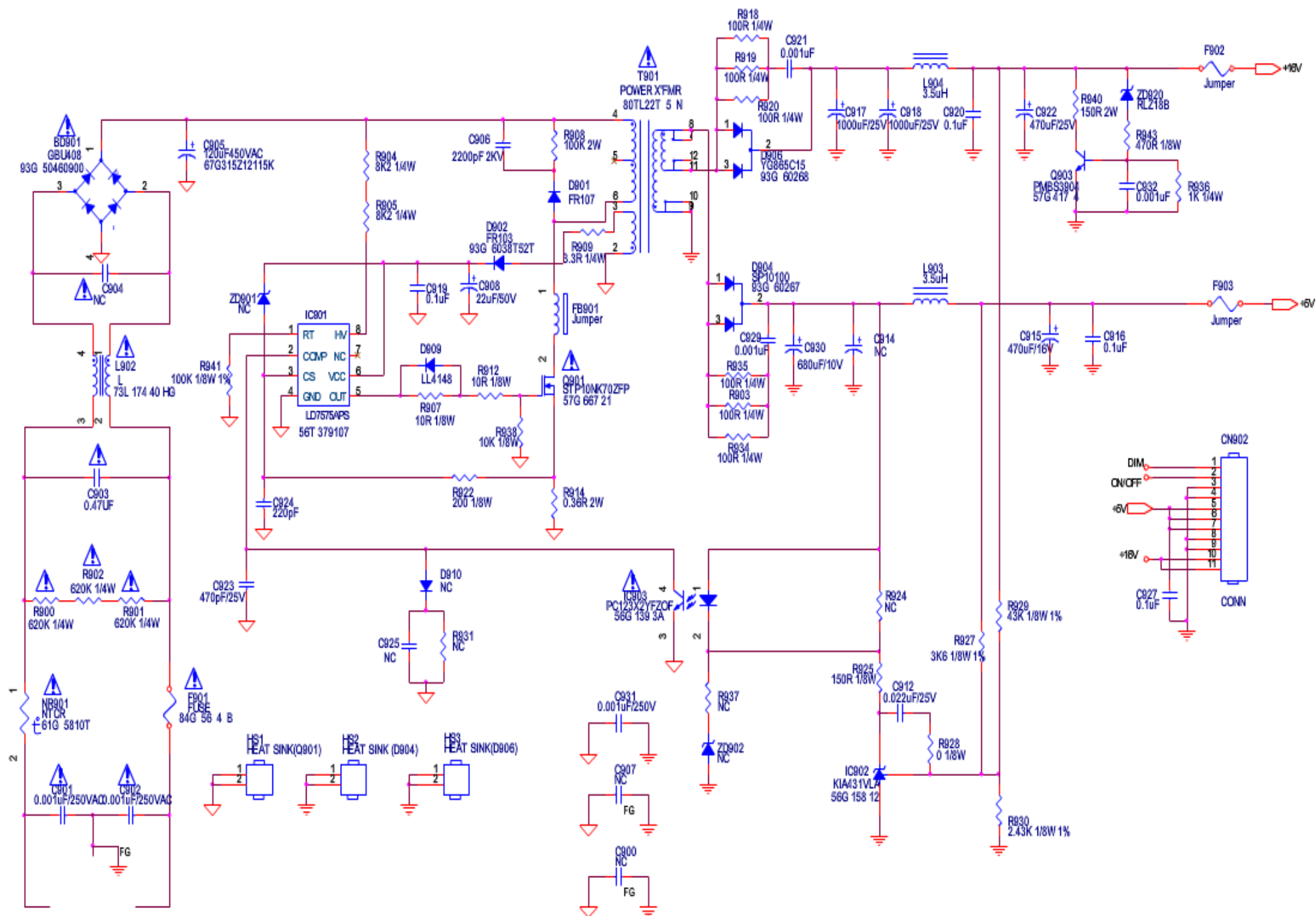


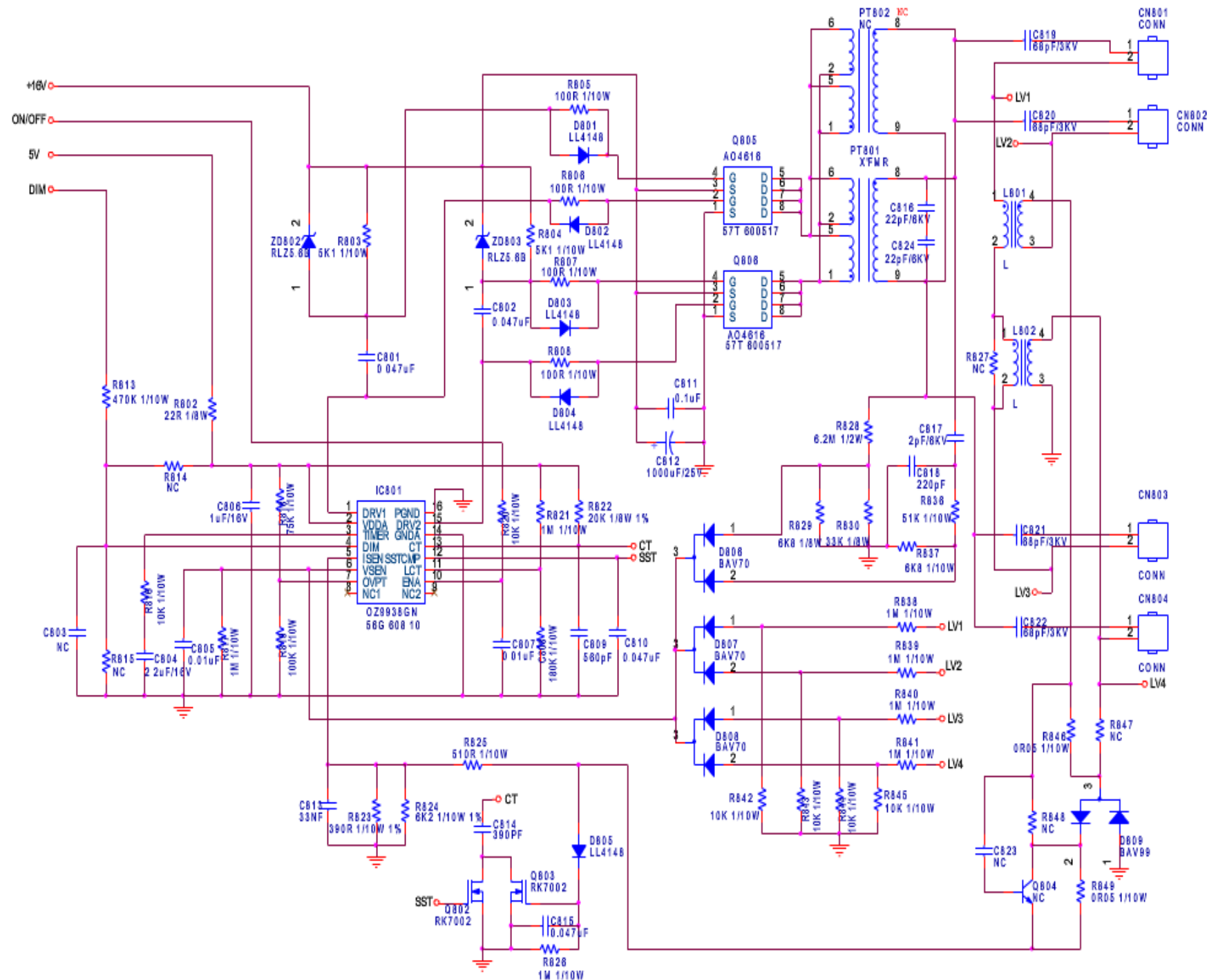
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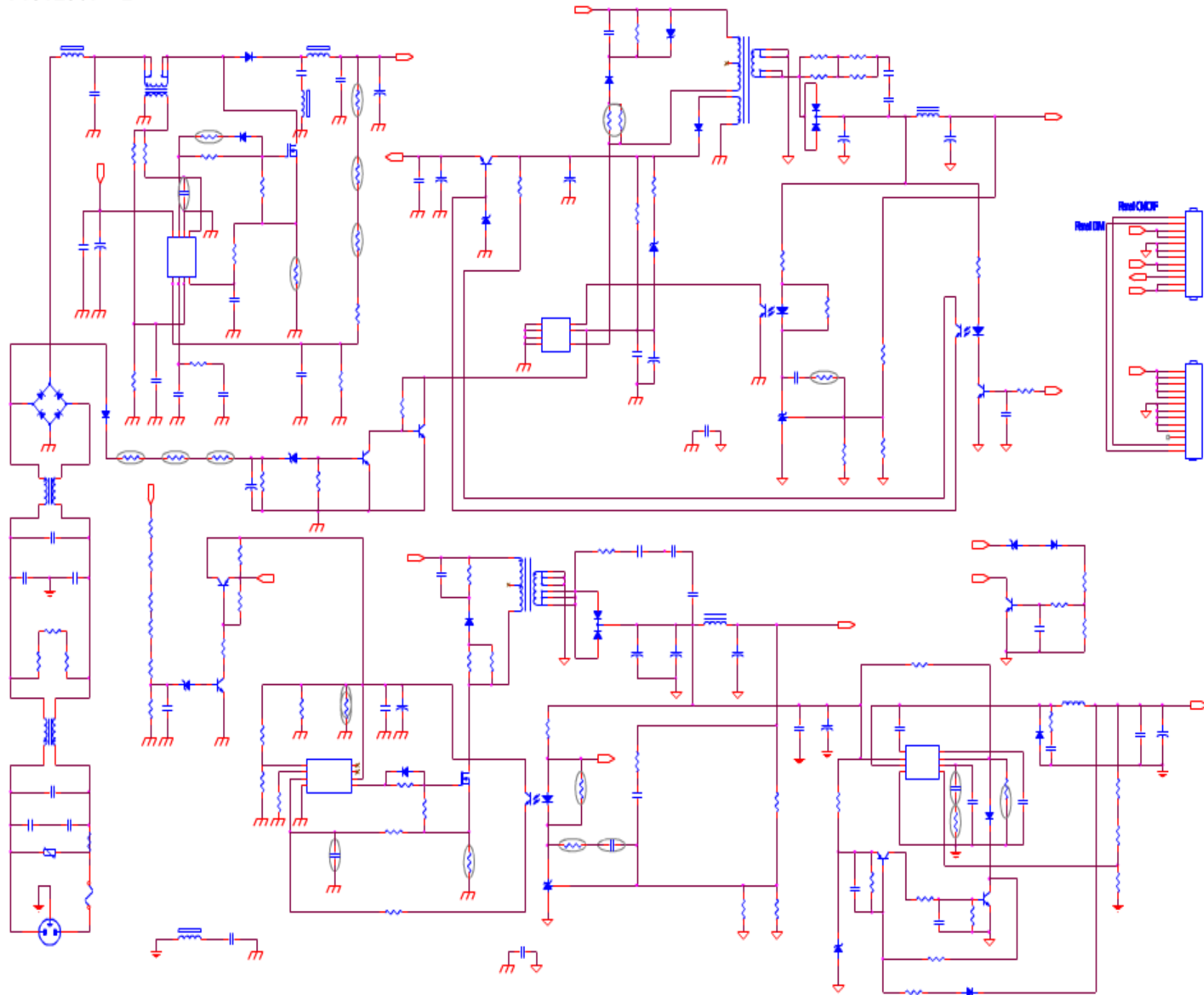


9.2 Power Board

L19W981&L22W981 715T2783 1 2

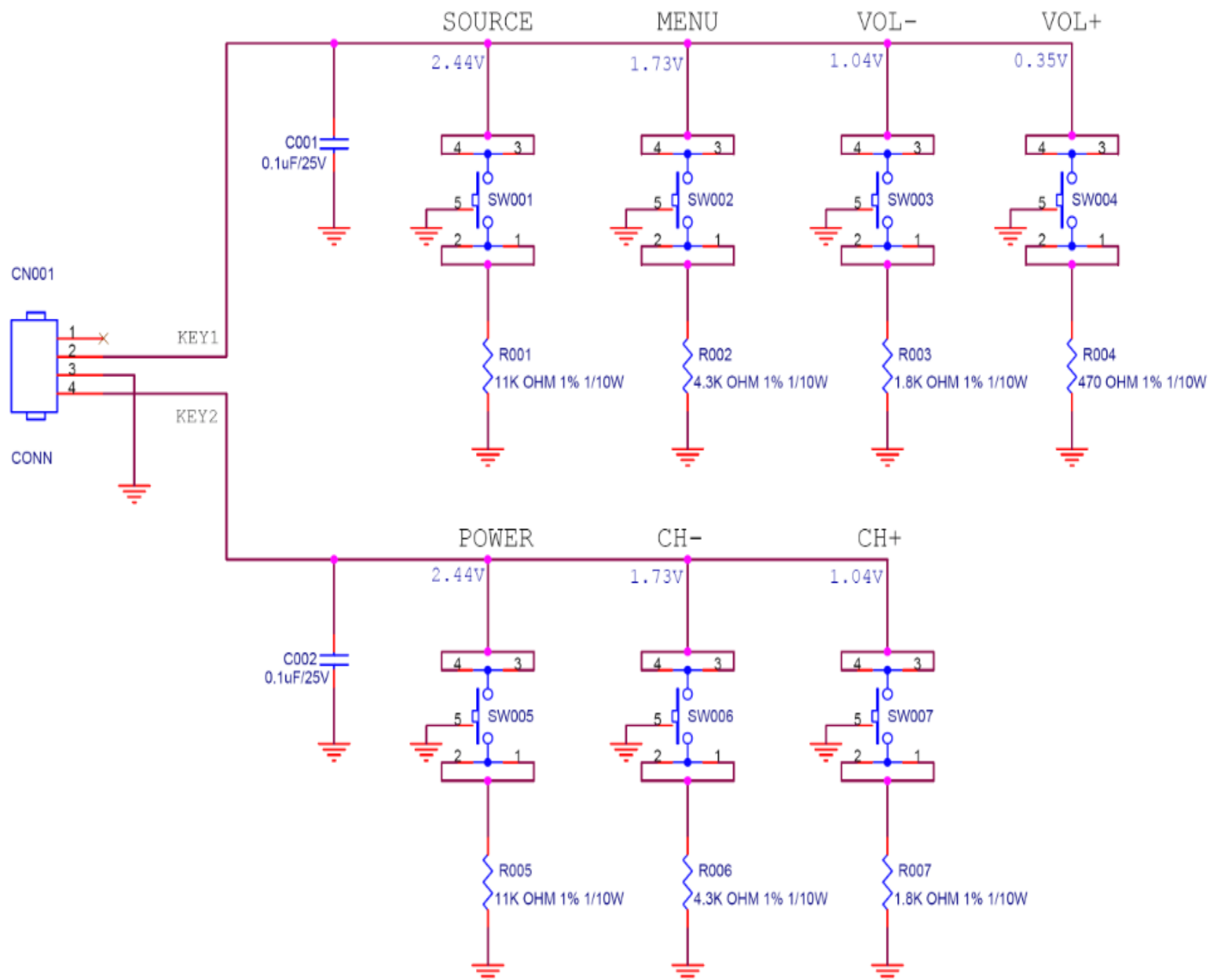






9.3 Key Board

715T2997 1



9.4 IR Board

L19W981&L22W981 715T2998 1

