

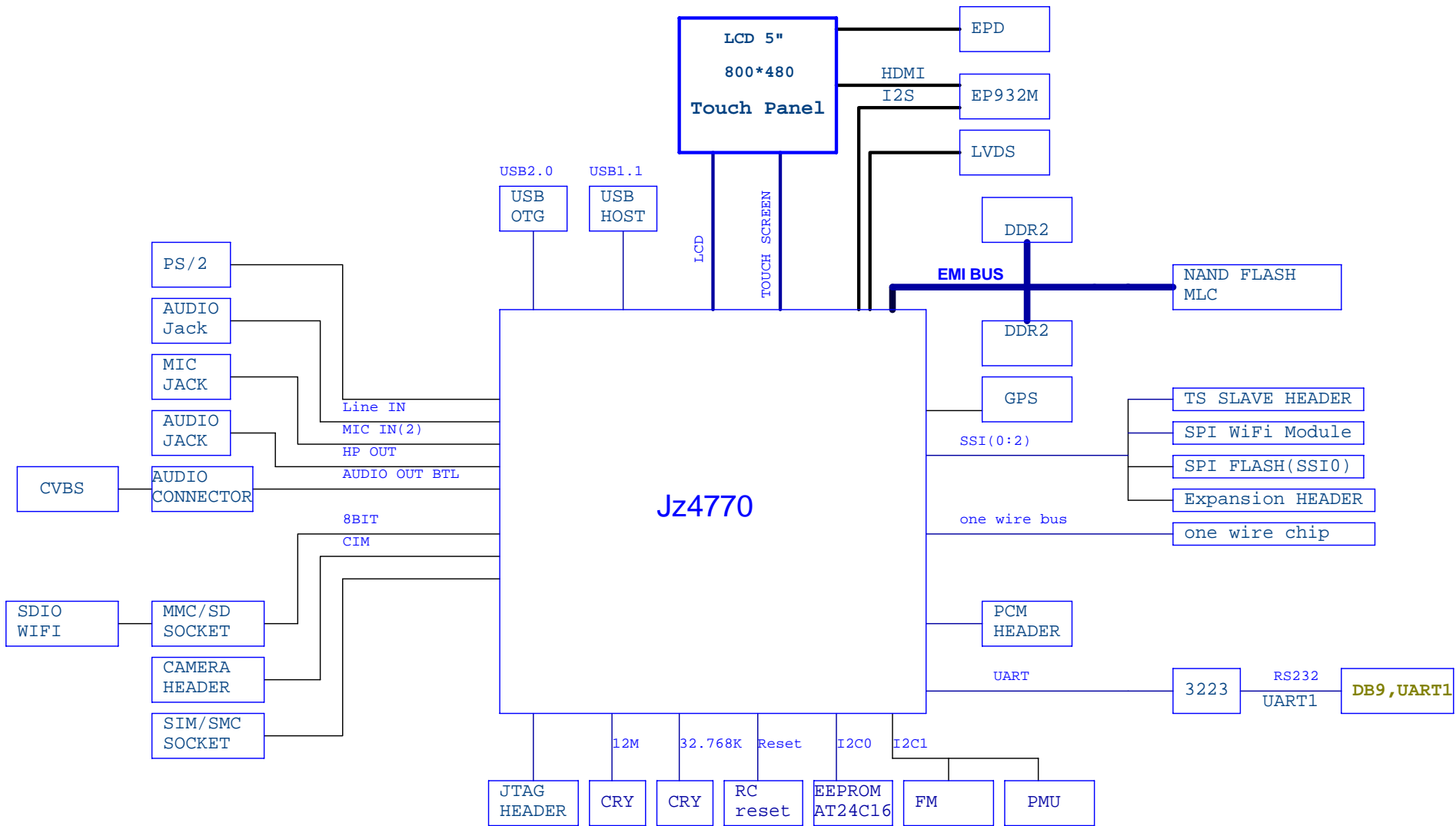


RD4770_PISCES

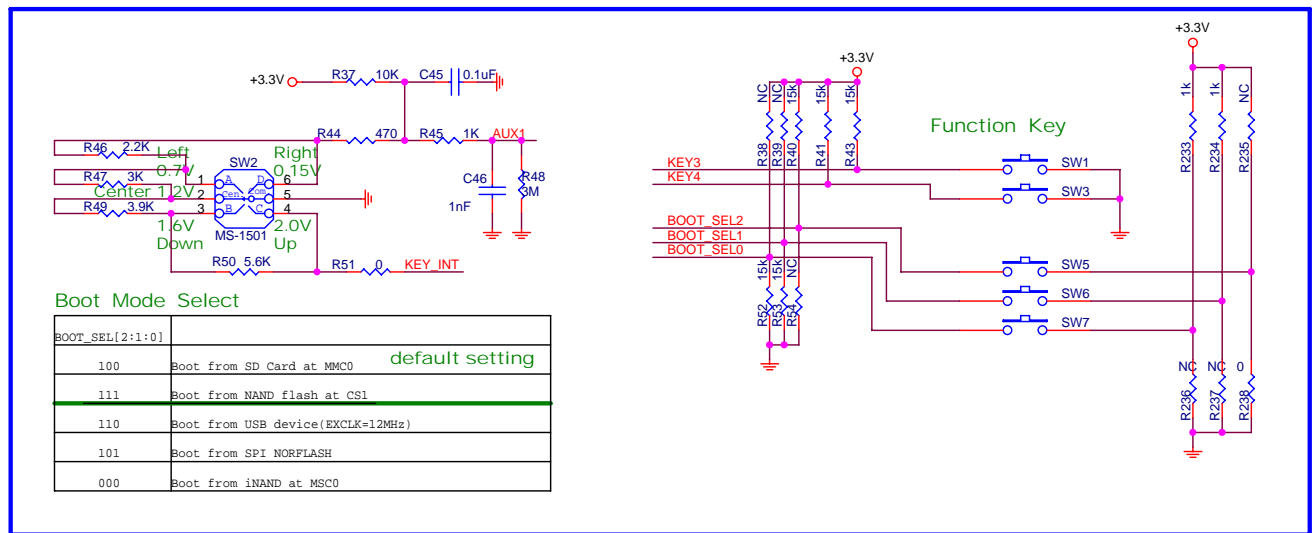
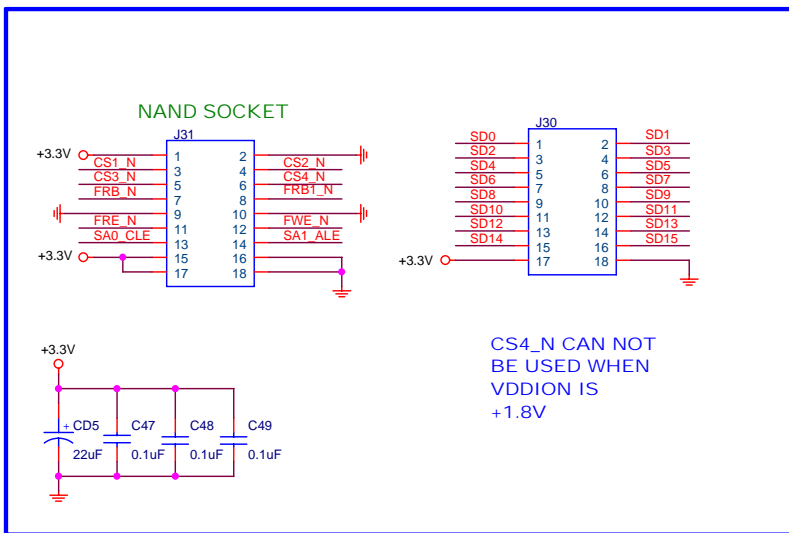
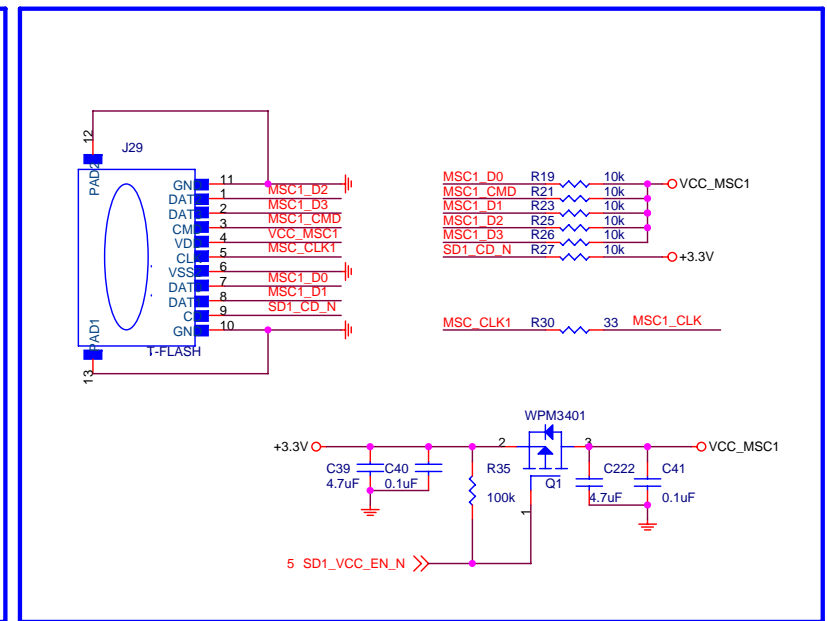
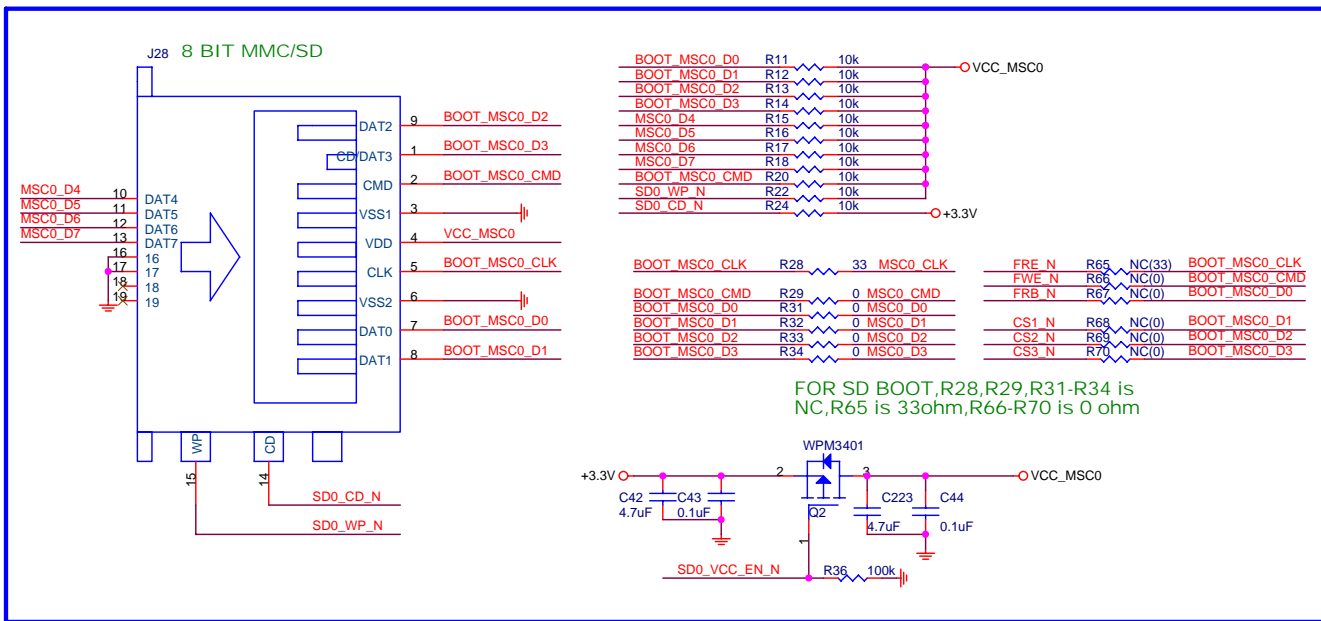
Schematic Revision 1.1.1

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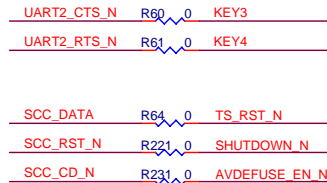
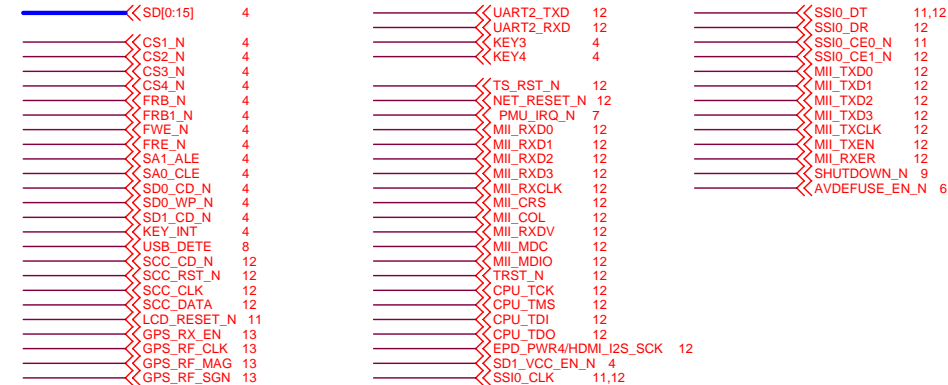
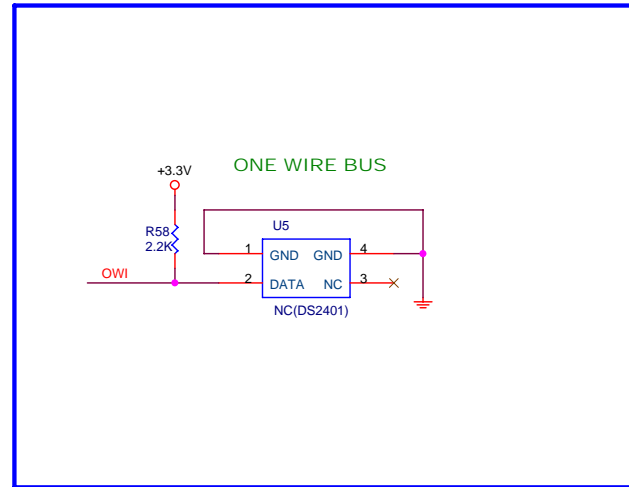
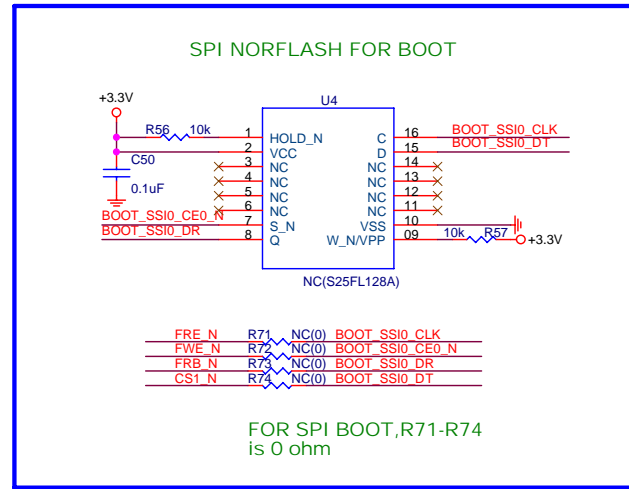
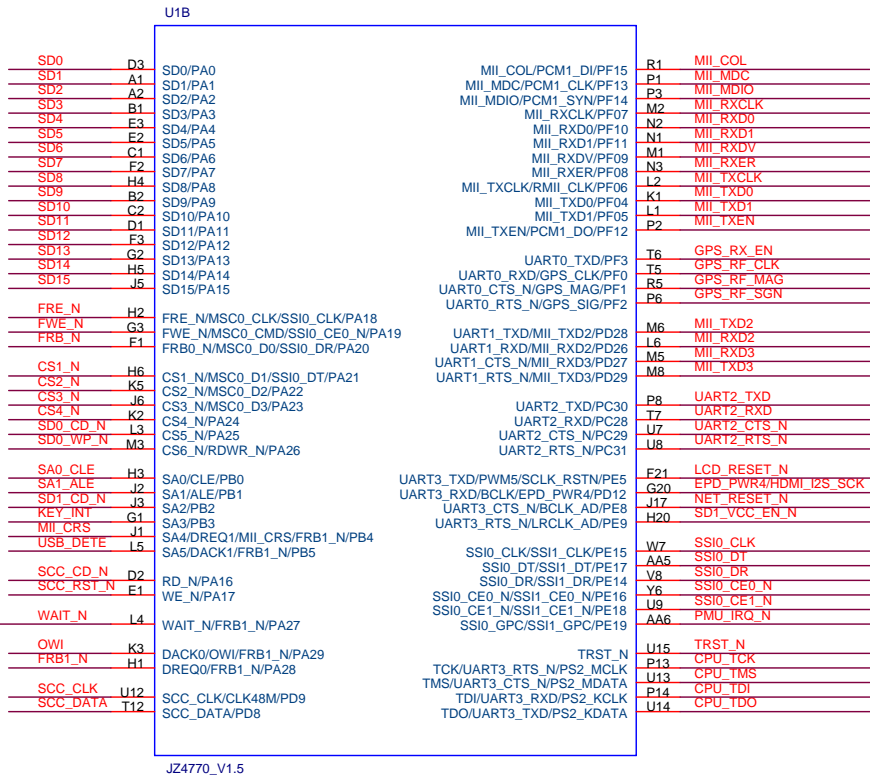
INGENIC SEMICONDUCTOR CO.,LTD			
Title		RD4770_PISCES_BOARD	
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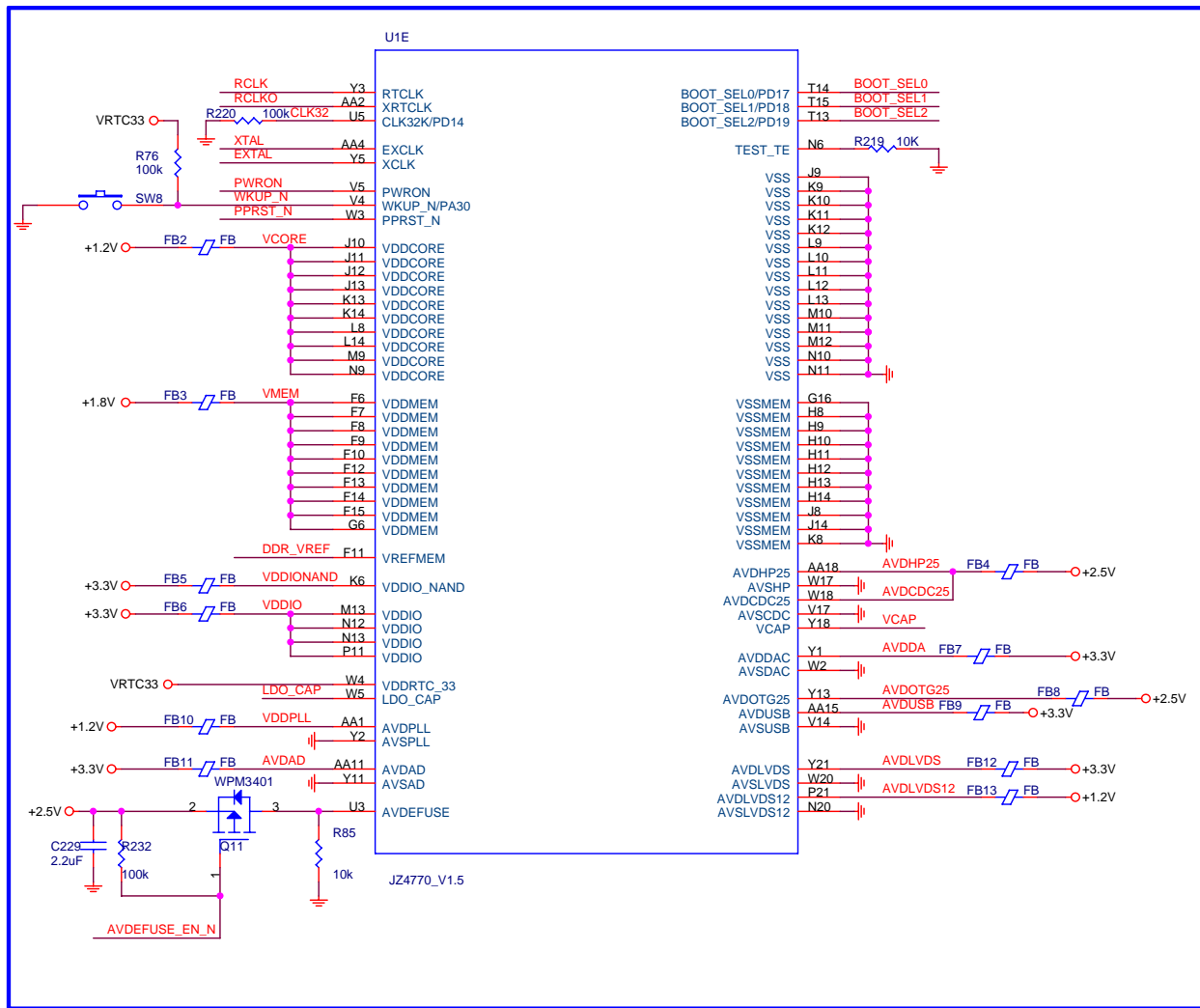
INGENIC SEMICONDUCTOR CO.,LTD			
Title		RD4770_PISCES_BOARD	
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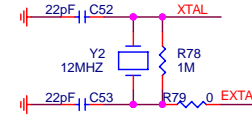
SD[0:15]	5	SA1_ALE	5	MSC0_D[0:7]	9	MSC1_CMD	9
CS1_N	5	SA0_CLE	5	MSC0_CLK	9	MSC1_D[0:3]	9
CS2_N	5	KEY3	5	MSC0_CMD	9	SD1_CD_N	5
CS3_N	5	KEY4	5	SD0_CD_N	5	MSC1_CLK	9
CS4_N	5	BOOT_SEL2	6	SD0_WP_N	5	SD1_VCC_EN_N	5
FRB_N	5	BOOT_SEL1	6	SD0_VCC_EN_N	9	SD1_CD_N	5
FRB1_N	5	BOOT_SEL0	6				
FWE_N	5	KEY_INT	5				
FRE_N	5	AUX1	9				



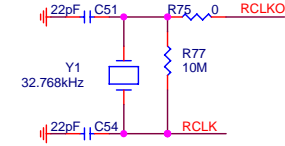
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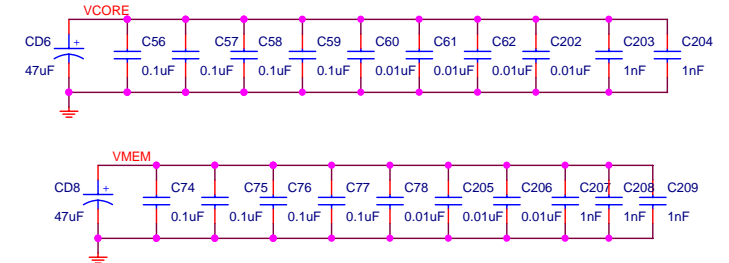
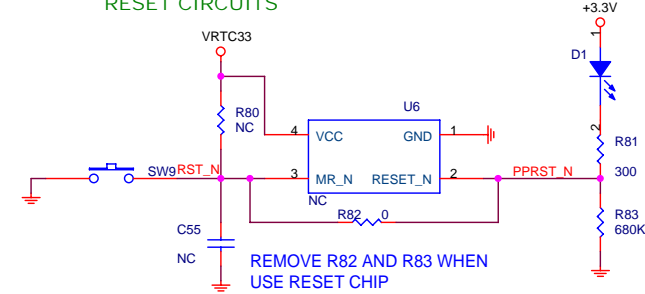
MAIN CLOCK



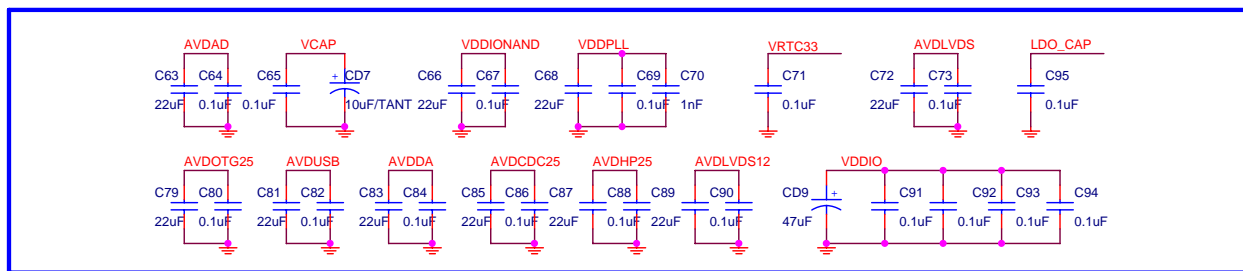
RTC CLOCK



RESET CIRCUITS

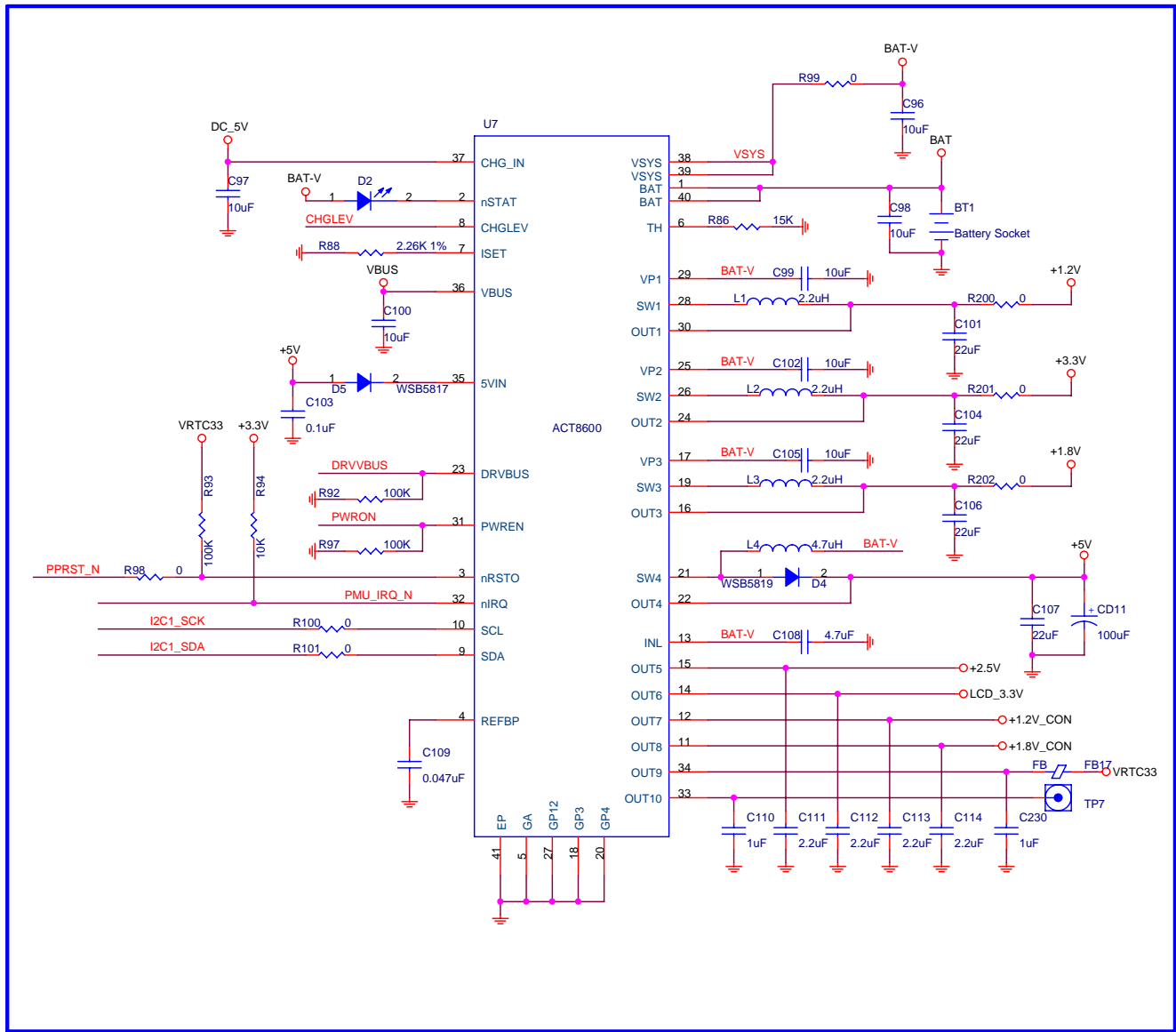
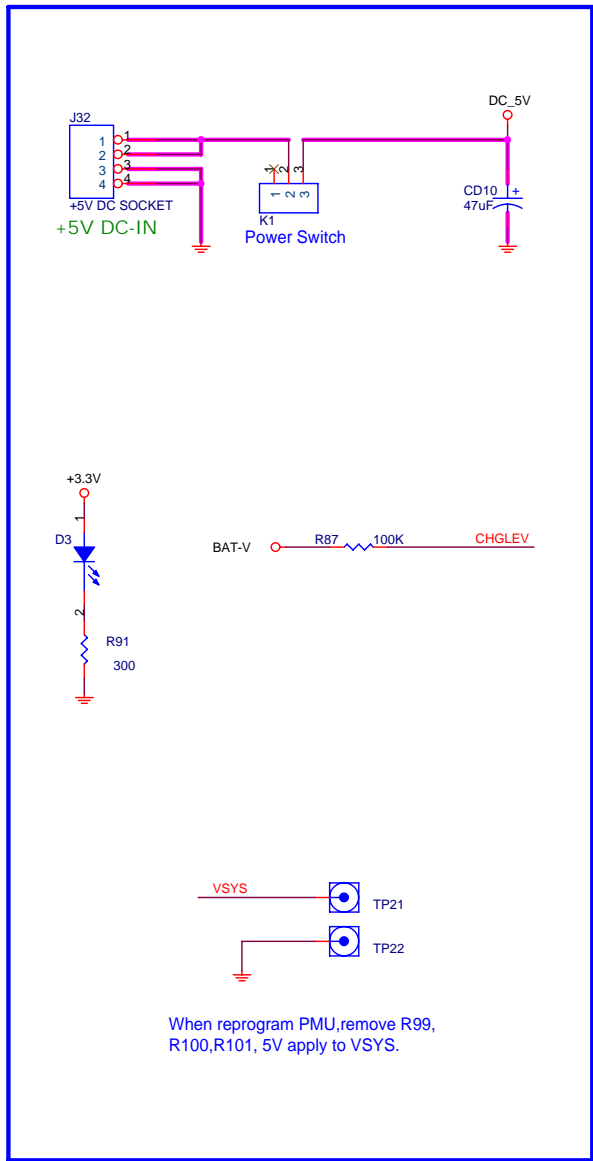


- DDR_VREF 3
- RST_N 12
- PWRON 7
- BOOT_SEL2 4
- BOOT_SEL1 4
- BOOT_SEL0 4
- RCLKO 10
- PPRST_N 7
- CLK32 10
- AVDEFUSE_EN_N 5



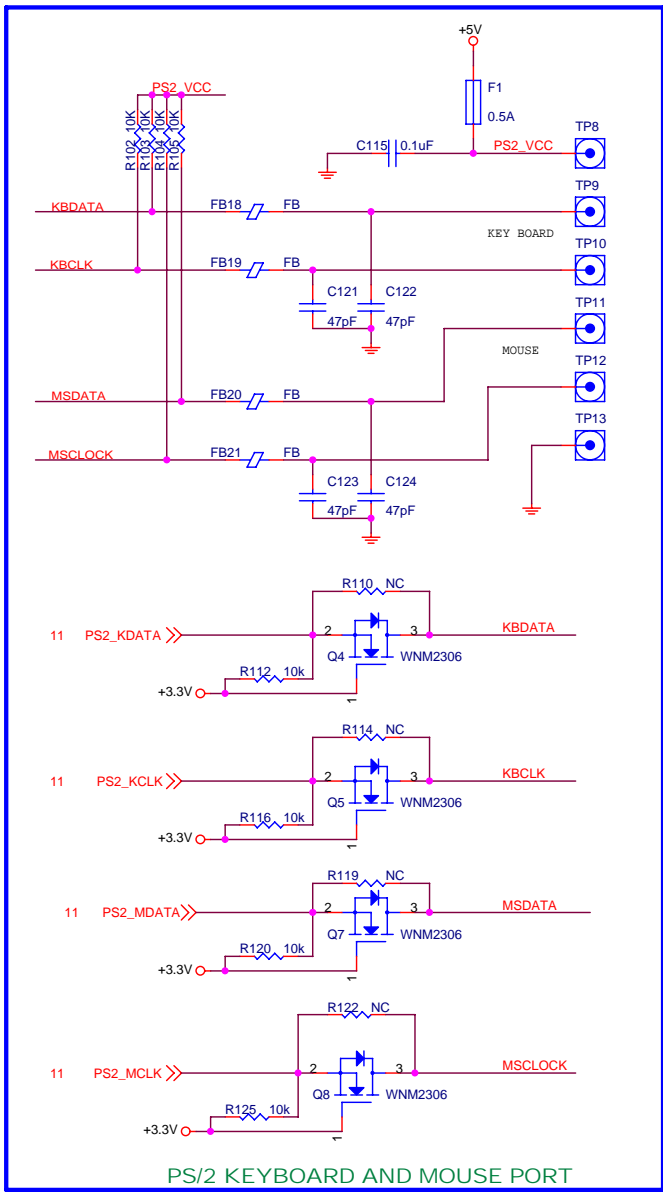
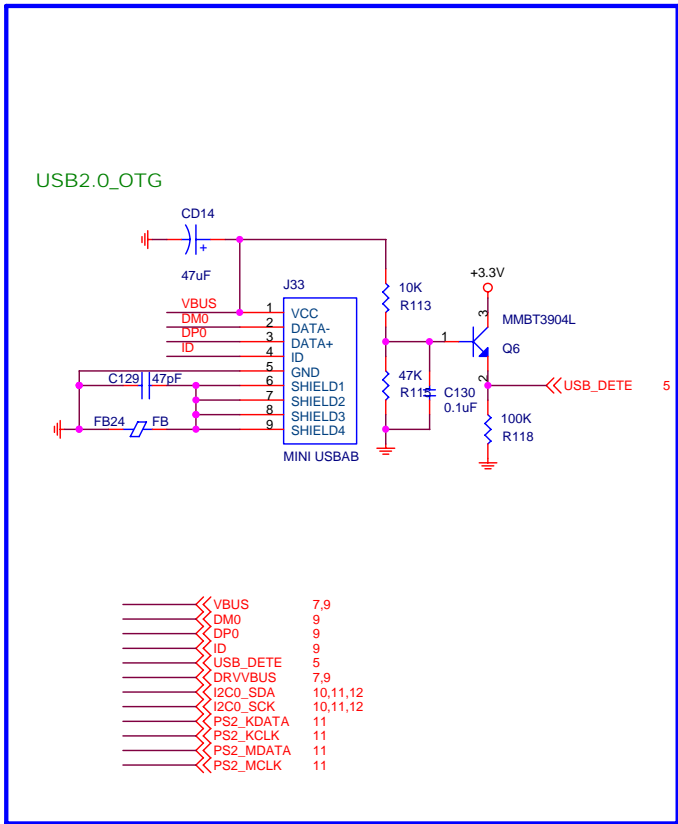
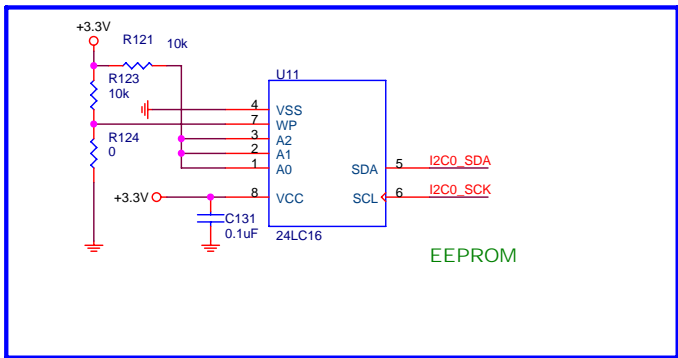
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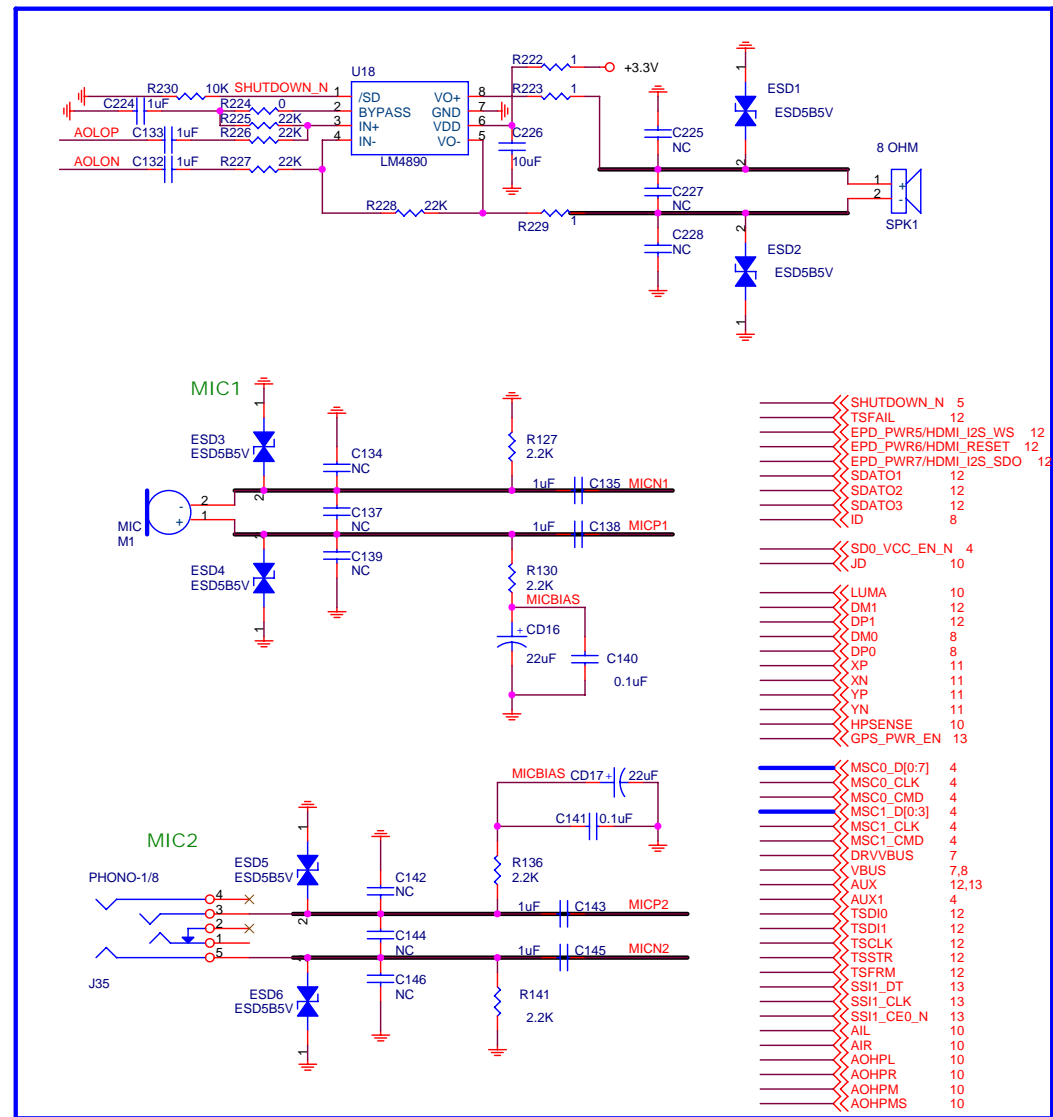
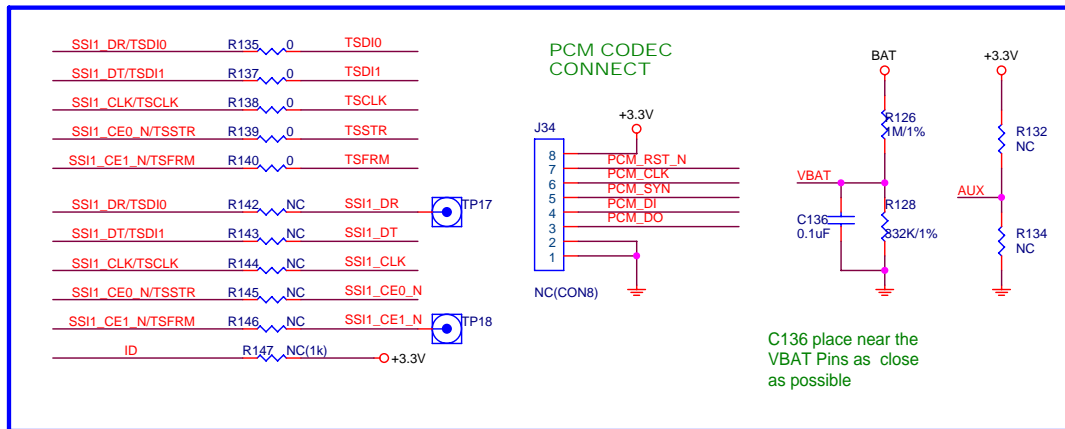
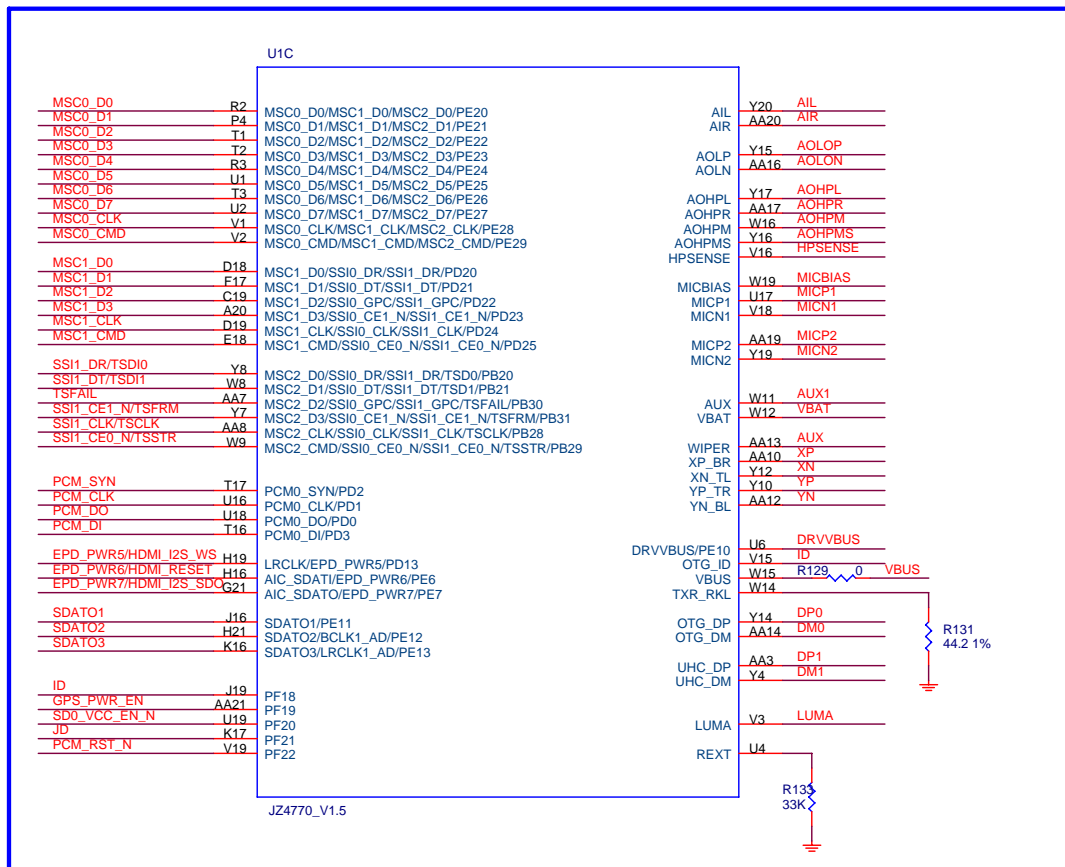
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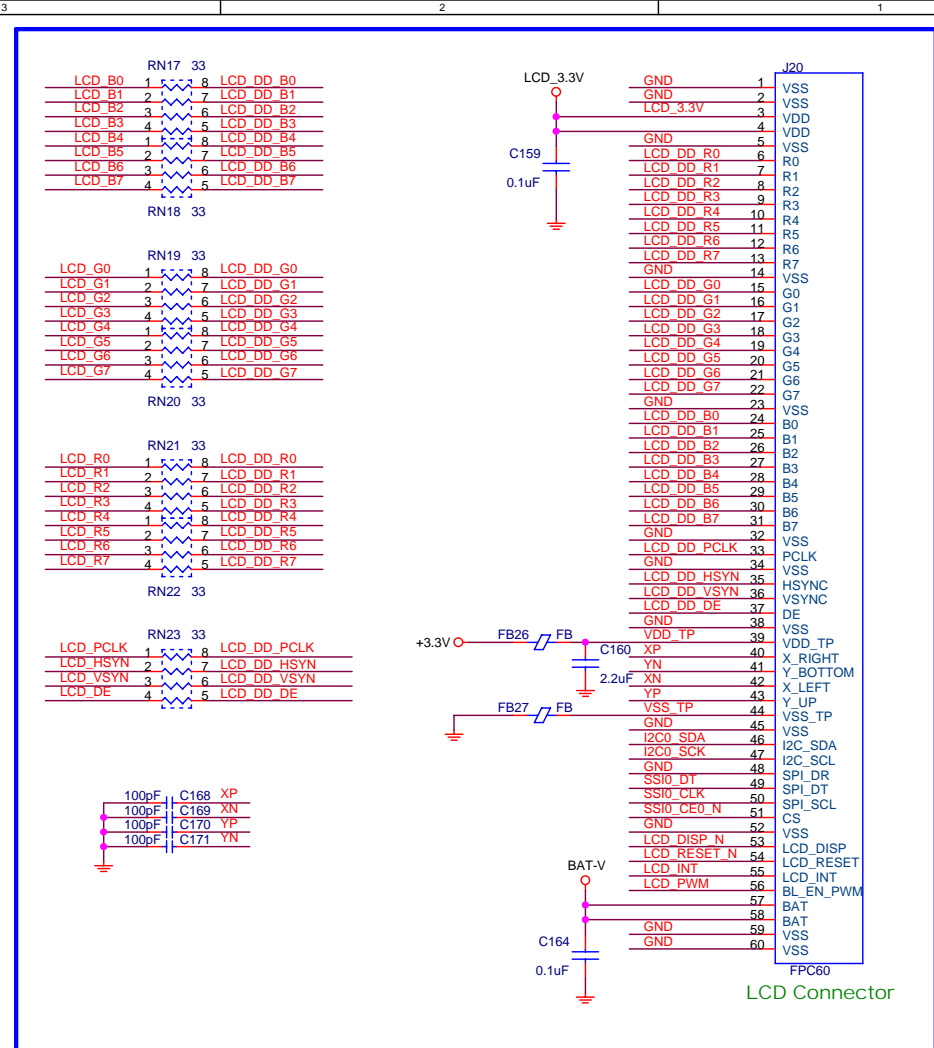
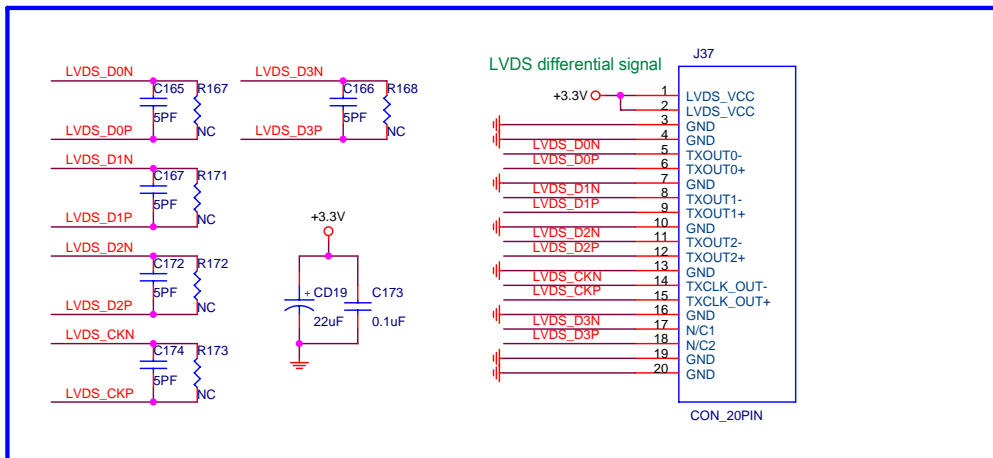


11	I2C1_SCK	9	DRVBUS
11	I2C1_SDA	6	PWRON
8,9	VBUS	5	PMU_IRQ_N
		6	PPRST_N

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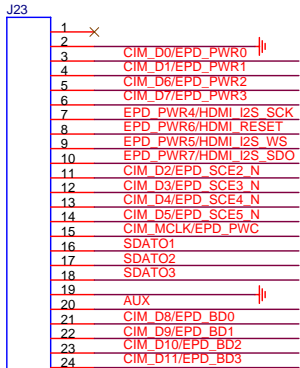
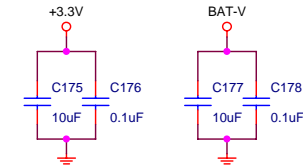
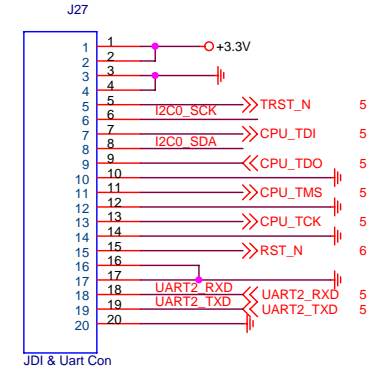
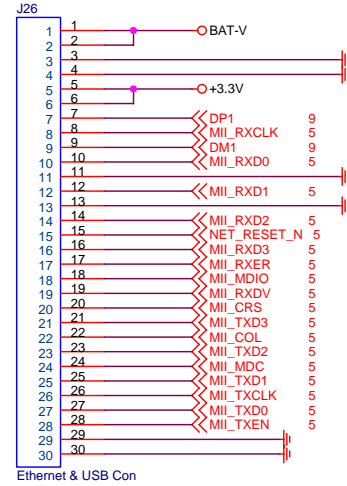
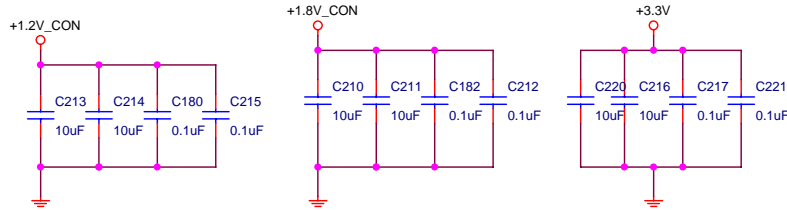
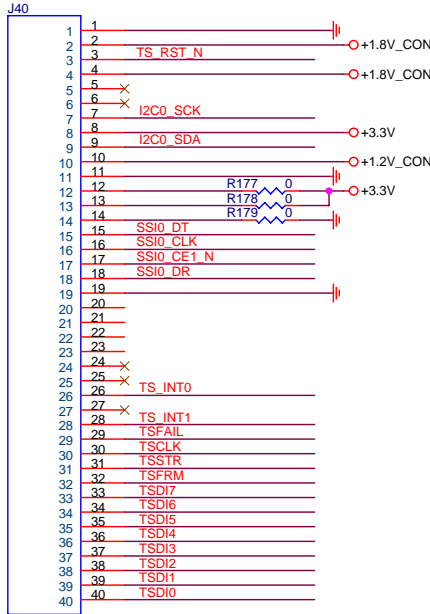
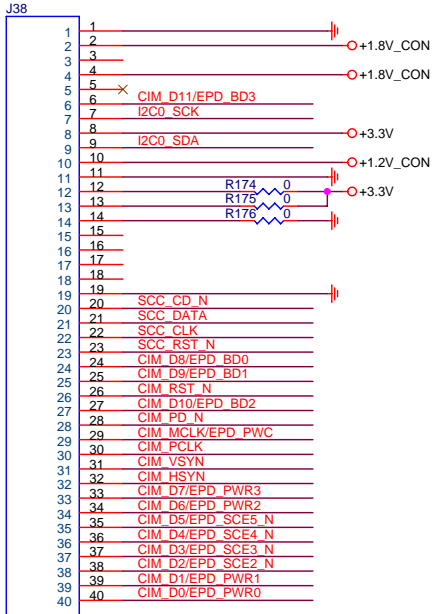




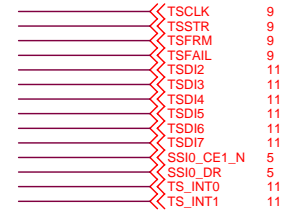
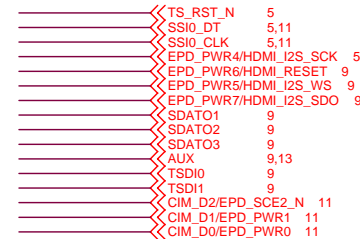
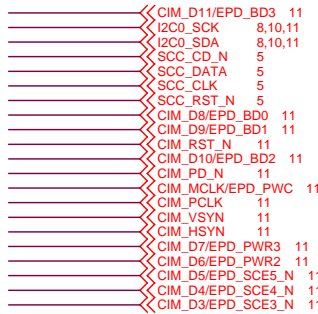
CIM_RST_N	12	CIM_PCLK	12	SSIO_DT	5,12
CIM_PD_N	12	CIM_MCLK/EPD_PWC	12	SSIO_CLK	5,12
TS_INT0	12	CIM_HSYN	12	SSIO_CEO_N	5
TS_INT1	12	CIM_VSYN	12		
I2C0_SCK	8,10,12	CIM_D0/EPD_PWR0	12		
I2C0_SDA	8,10,12	CIM_D1/EPD_PWR1	12		
I2C1_SCK	7	CIM_D2/EPD_SCE2_N	12		
I2C1_SDA	7	CIM_D3/EPD_SCE3_N	12		
TSDI2	12	CIM_D4/EPD_SCE4_N	12		
TSDI3	12	CIM_D5/EPD_SCE5_N	12		
TSDI4	12	CIM_D6/EPD_PWR2	12		
TSDI5	12	CIM_D7/EPD_PWR3	12		
TSDI6	12	CIM_D8/EPD_BD0	12		
TSDI7	12	CIM_D9/EPD_BD1	12		
PS2_MCLK	8	CIM_D10/EPD_BD2	12		
PS2_MDATA	8	CIM_D11/EPD_BD3	12		
PS2_KCLK	8	XP	9		
PS2_KDATA	8	XN	9		
LCD RESET_N	5	YP	9		
GPS_OSC_EN	13	YN	9		

Camera Interface Connector

TS Interface Connector



EPD/HDMI Connector



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GPS RF Receiver core

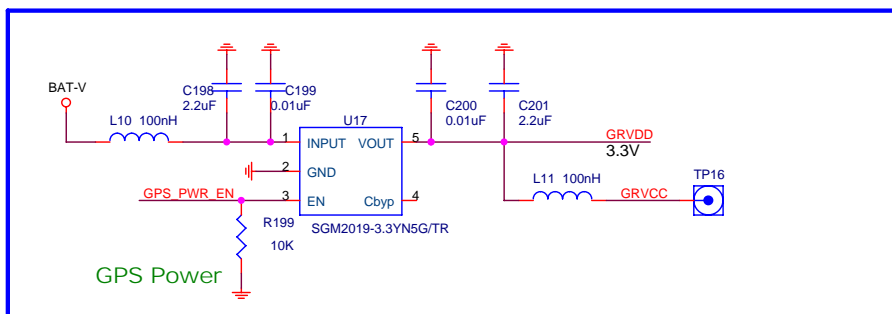
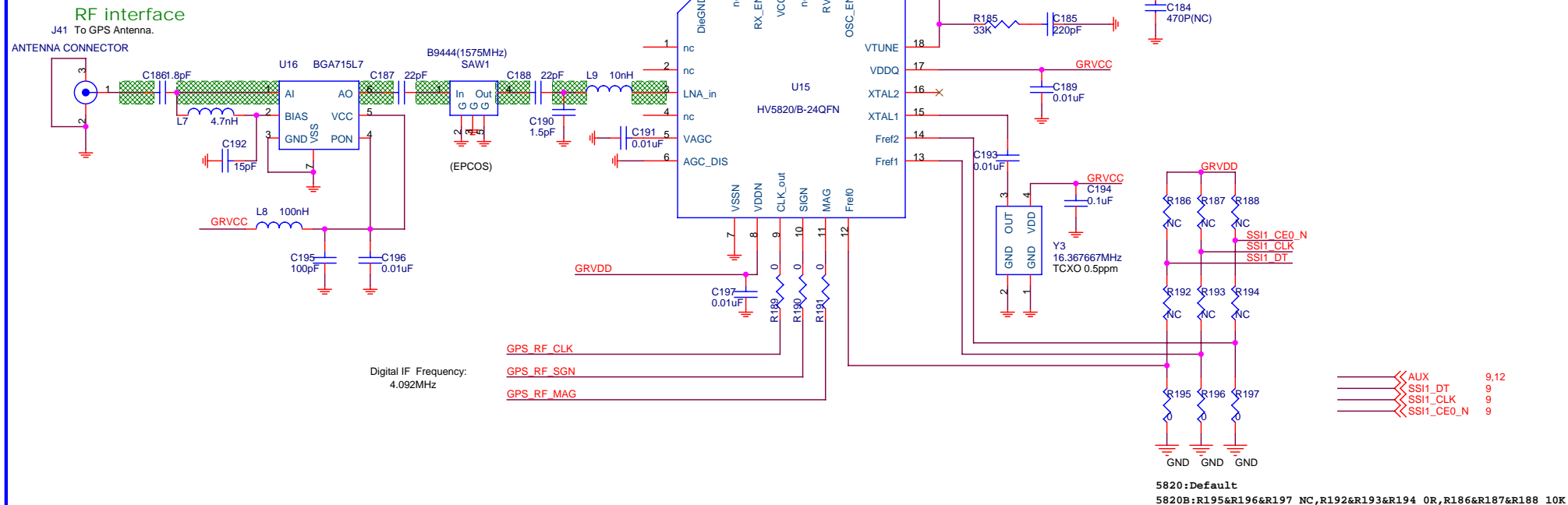
Must be placed into RF shielding case

For good grounding, put 9 vias under RF IC die ground pad Pin25.

RF Microstrip
Z0= 50 ohm

Opreation Mode Description:

RX_EN	OSC_EN	Mode
0	0	All stand by
0	1	Oscillator only
1	0	Full active (external reference)
1	1	Full active (internal oscillator)



GPS_RX_EN 5

GPS_OSC_EN 11

GPS_RF_MAG 5

GPS_RF_SGN 5

GPS_RF_CLK 5

GPS_PWR_EN 9

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Data	Revision	Change
MAY.04 2011	Rev1.0	1. First released Revision
MAY.24 2011	Rev1.1	1.PAGE04: Delete R42,SW4. 2.PAGE04: Add R233-R238 for boot. 3.PAGE04: Change R36 from 10K to 100K . 4.PAGE05: Delete R63,R55. 5.PAGE06: R80,C55 NC. 6.PAGE07:Change PMU OUT2 and OUT3 . 7.PAGE07: Delete R90 and Q3,R98 is 0 8.PAGE07: Change R88 from 2.87K to 2.26K. 9.PAGE11: R167,R168,R171,R172,R173 NC.
July.4 2011	Rev1.1.1	1.PAGE04: R38,R39,R236,R237 NC;R52,R53 15K;R232,R233 1K.

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