

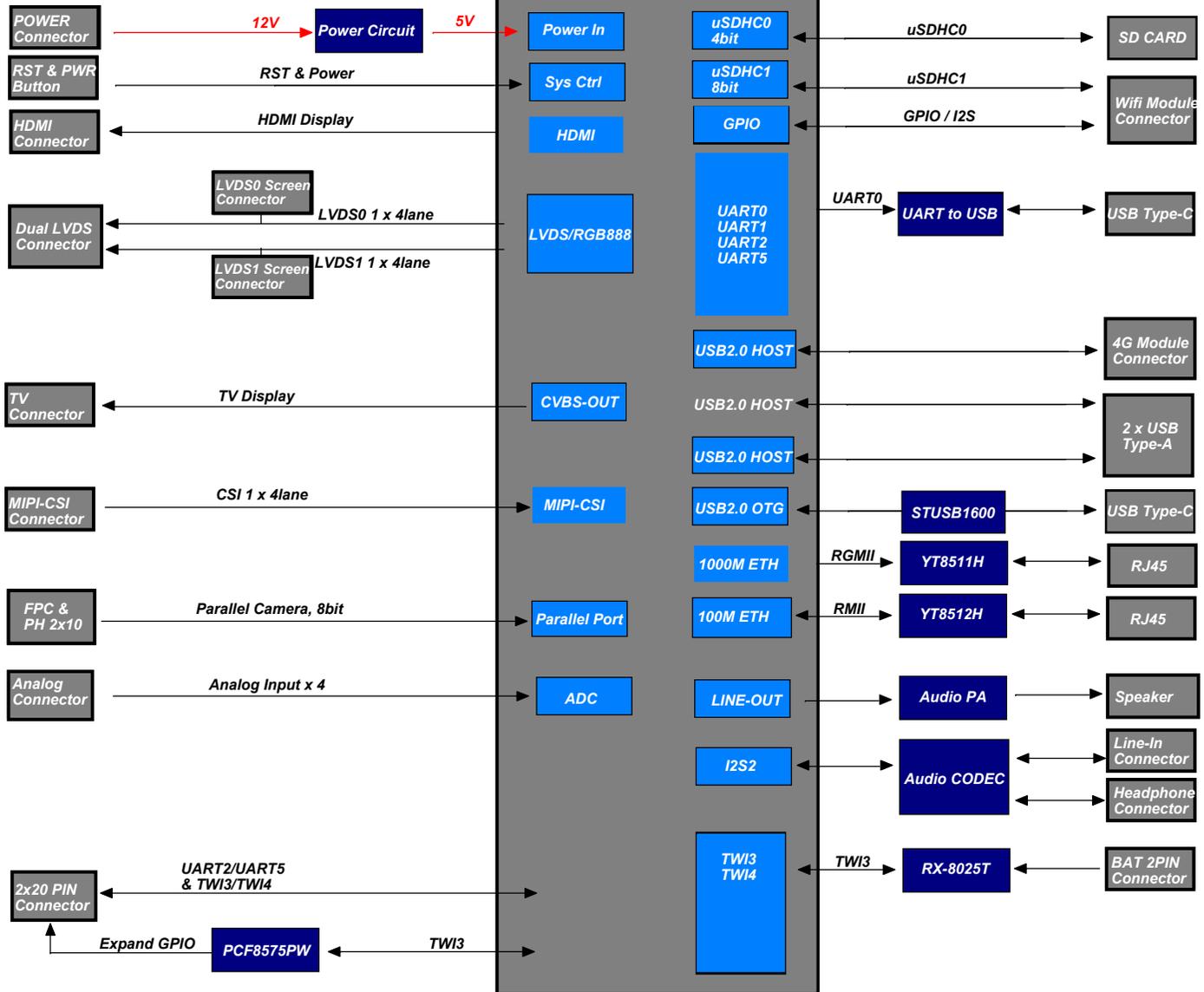
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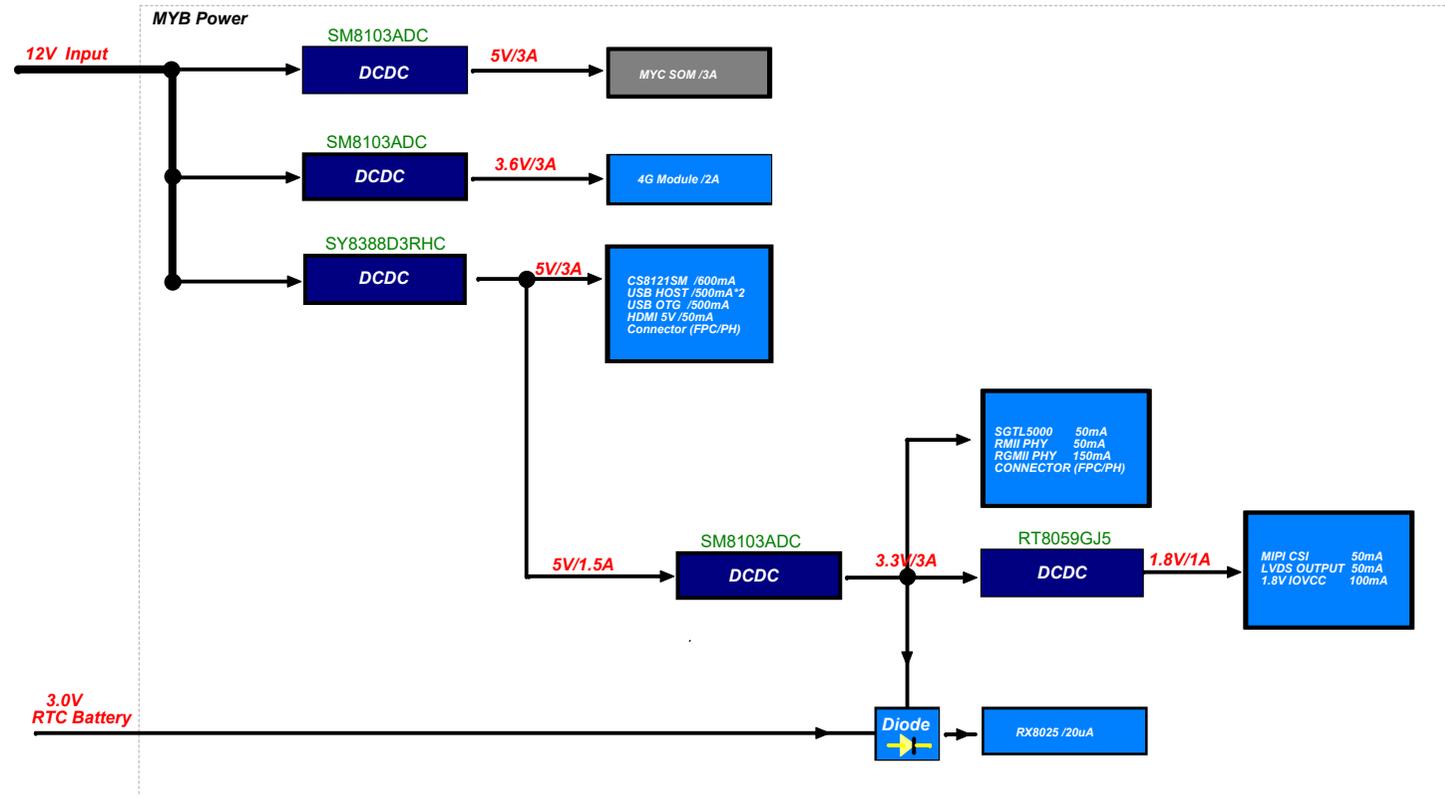
1. Cover
2. Block Diagram
3. Power Tree
4. Power Supply
5. MIPI CSI & Parallel CSI
6. USB
7. Micro SD & BOOT
8. HDMI & LVDS & CVBS OUT
9. I2S Audio & Line OUT
10. ENET
11. 4G MINI -PCIE
12. MYC Connect
13. Reset & RTC & ADC & PH
14. Mechanical

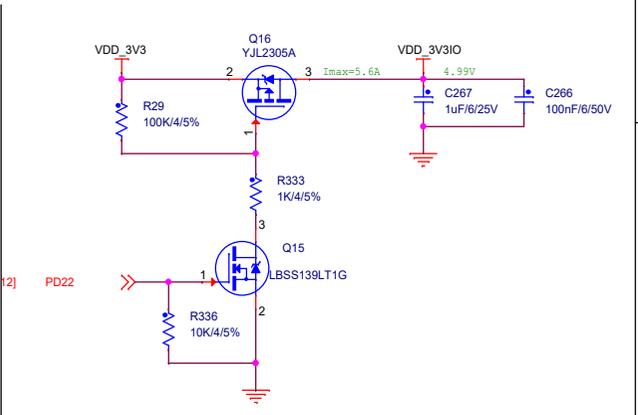
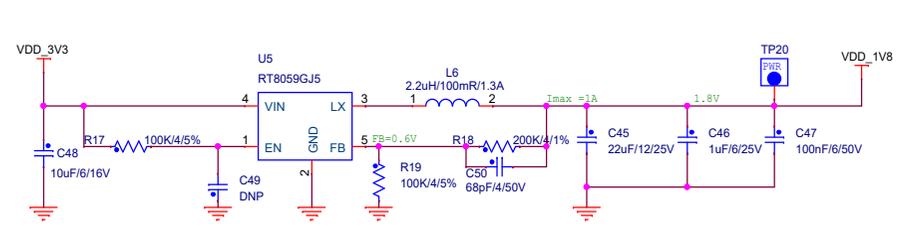
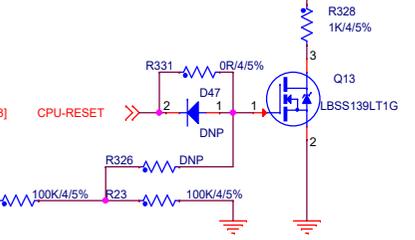
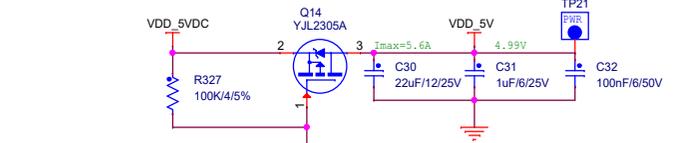
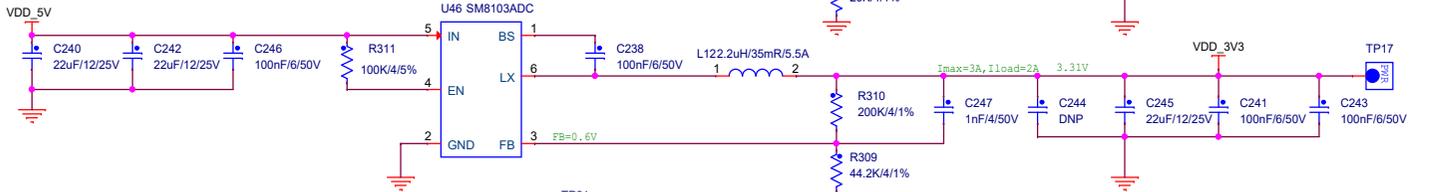
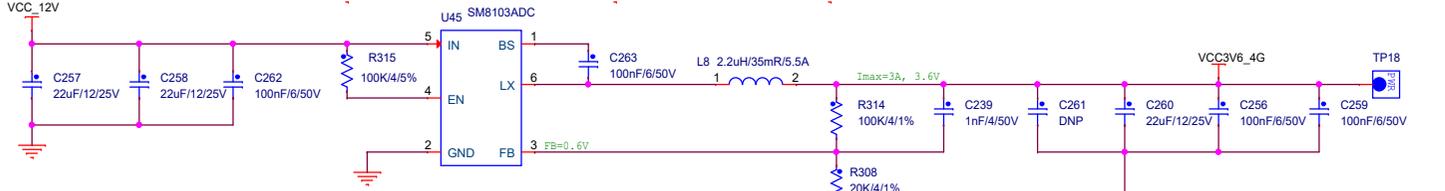
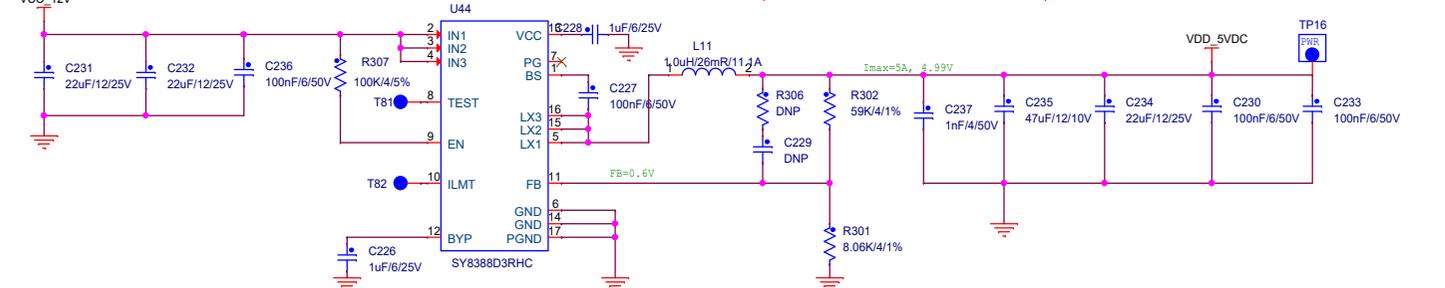
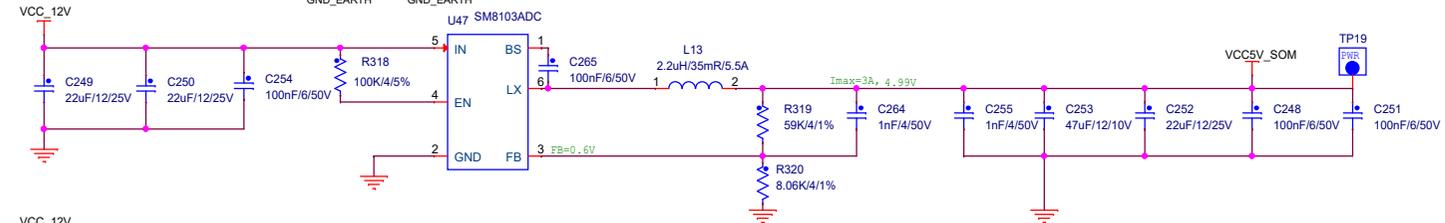
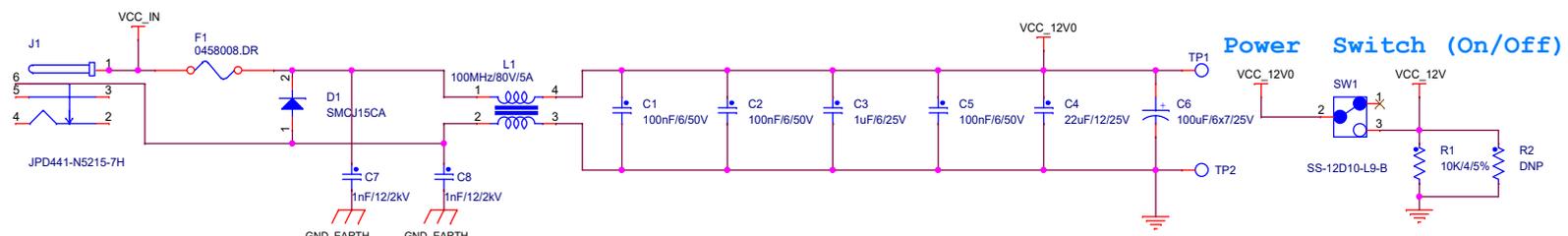
VERSION HISTORY

Revision	Description	Date	Drawn	Checked	Approved
V01	Initial Edition	2021-06-29			
V02	<ol style="list-style-type: none">1. Change power schemes.2. Add external oscillator to provide Clock for Audio chip SGT5000. fix and optimize audio circuits.3. Use twi3 for TP on LVDS1 interface J13, use twi4 for Tp on LVDS2 interface J12.4. Change pin sequence of J155. When use external digital clock to source the YT8511 XT_IN pin , the high level of voltage should not exceed 1.2V.6. Change reset gpio for 4G7. Change some gpios pin definition on J258. Add a PMIC ON-off Key	2021-12-23			
V10	<ol style="list-style-type: none">1. DNP S2, J322. Use external oscillator to source 12Mhz to MIPI CSI interface instead of CSI_MCLK from T5073. DNP Q84, R161 to fix Ethernet1 greed LED always keep brightting even no RJ45 cabel is plugged in.				

Carrier Board

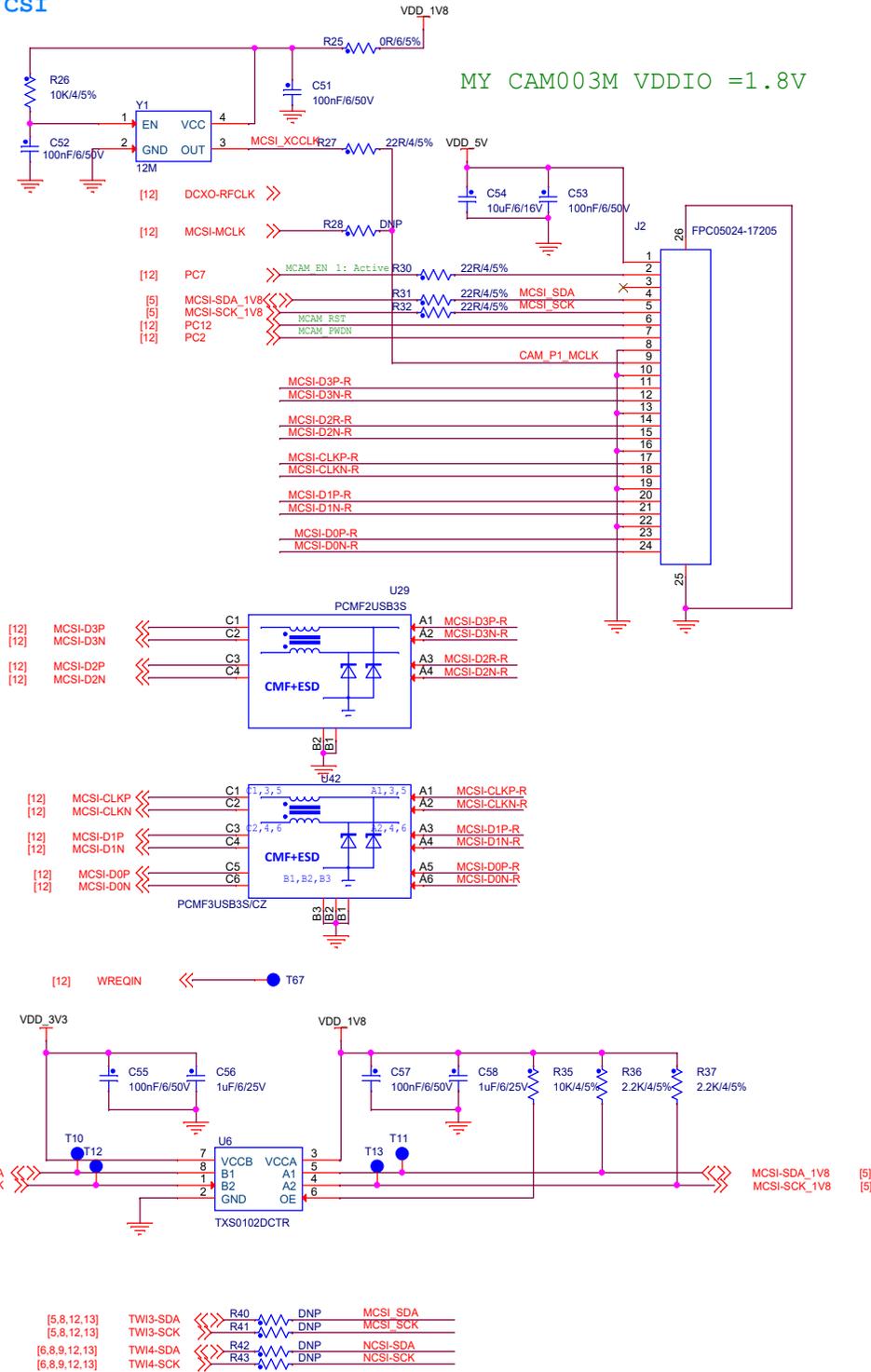






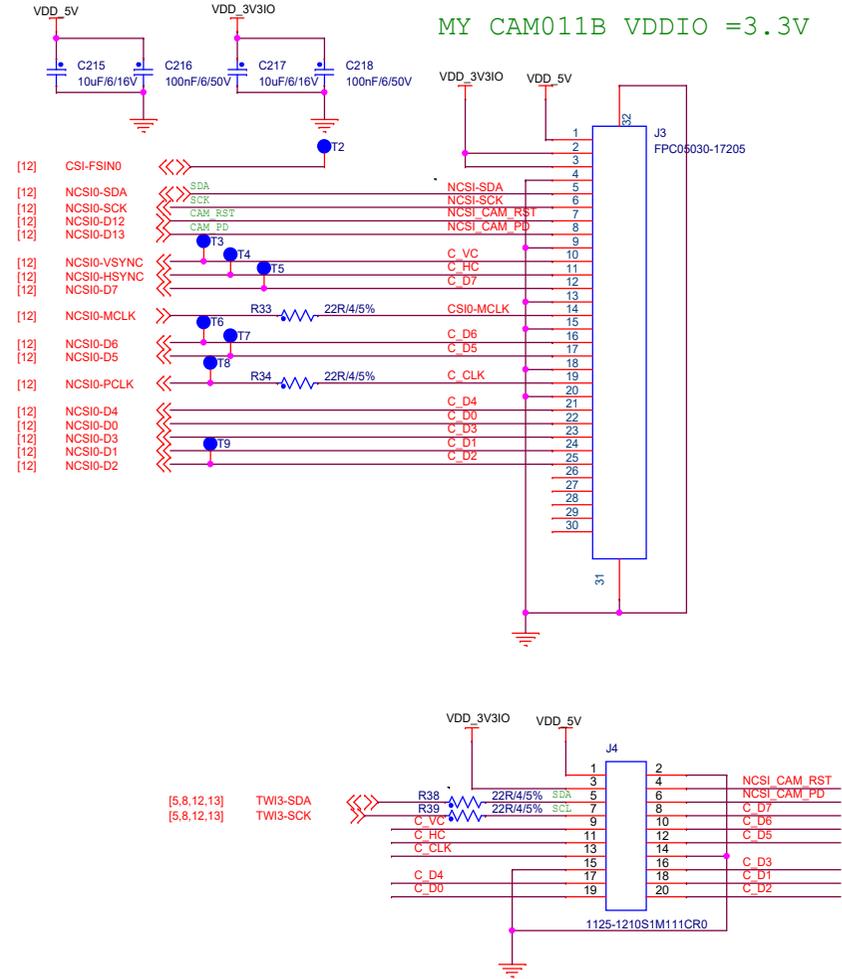
MIPI CSI

MY CAM003M VDDIO =1.8V



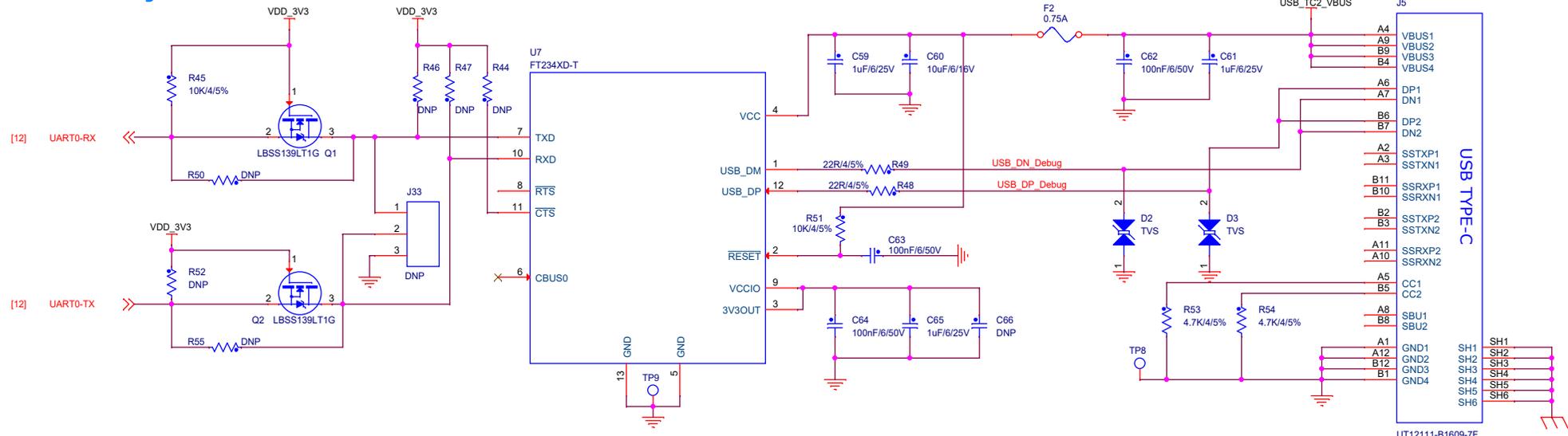
Parallel CSI

MY CAM011B VDDIO =3.3V



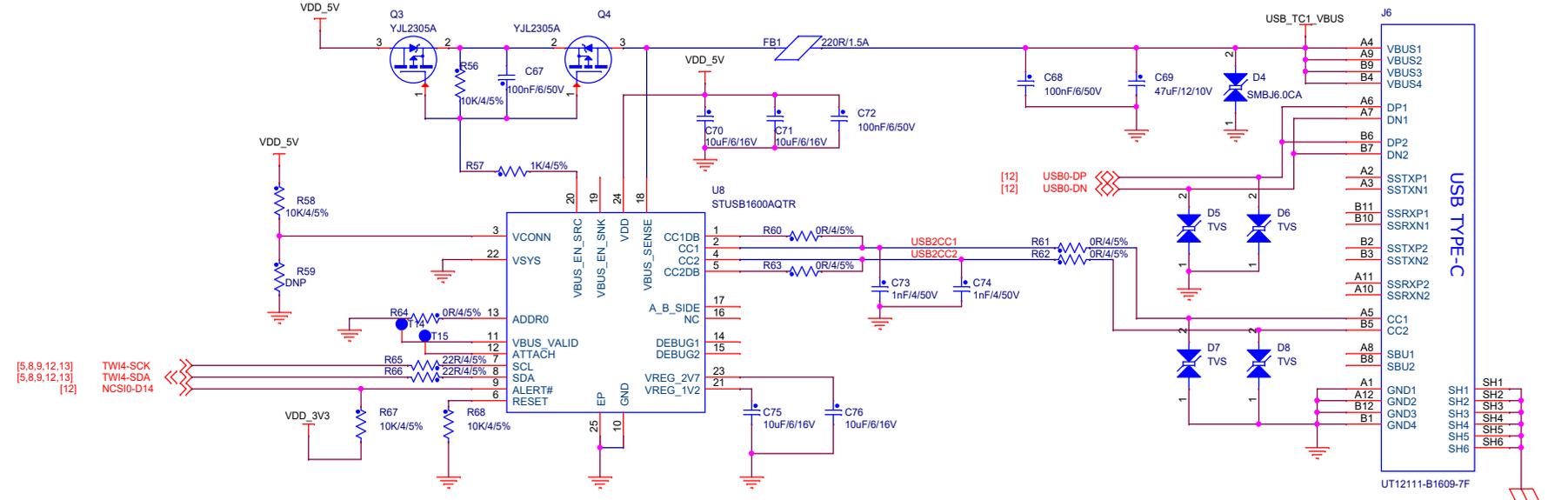
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		Title: CSI	
Size: A3	Document Number: SCH-MYB-YT507-V10	Rev: V1.0	
Draw By: MYIR	Date: Wednesday, March 09, 2022	Sheet: 5 of 14	

UART To USB C (Debug)



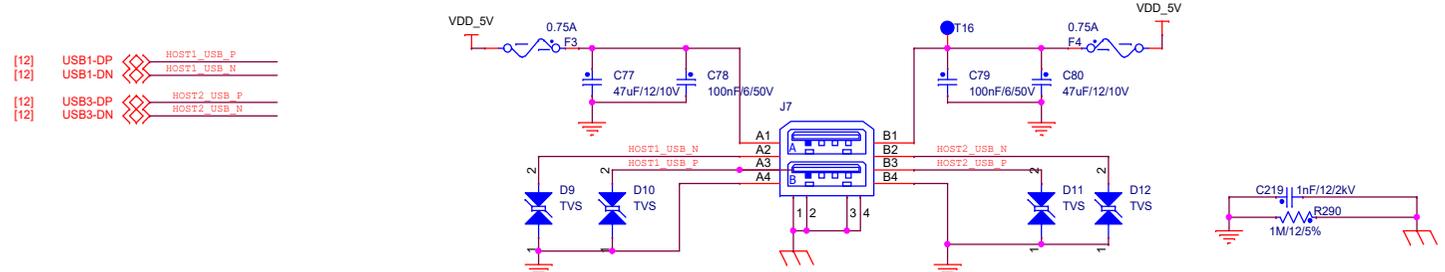
UT12111-B1609-7F

USB C (OTG/DRP)



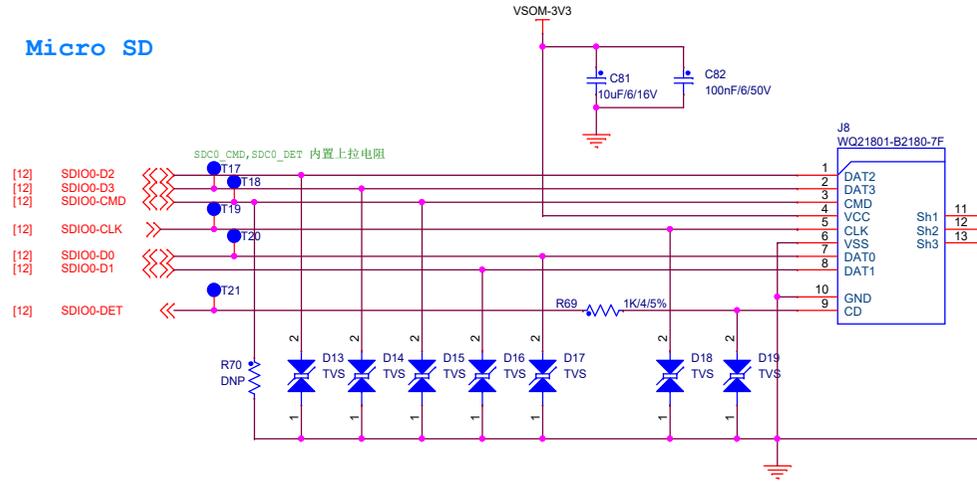
UT12111-B1609-7F

USB HOST

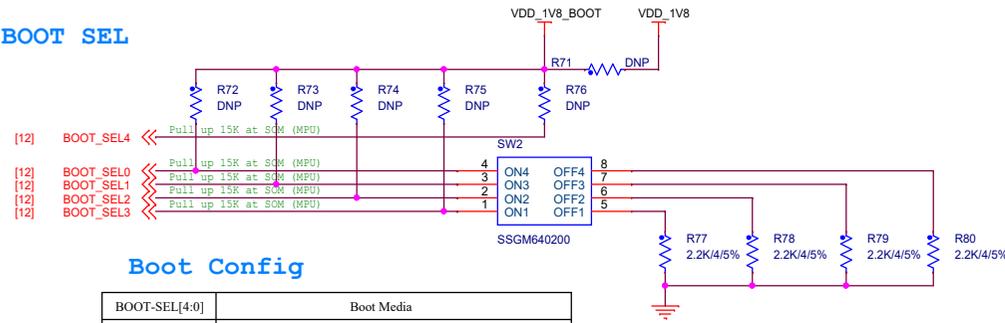


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		Title: USB & Debug	
Size: A3	Document Number: SCH-MYB-YT507-V10	Rev: V1.0	
Draw By: MYIR	Date: Wednesday, March 09, 2022	Sheet: 6 of 14	

Micro SD



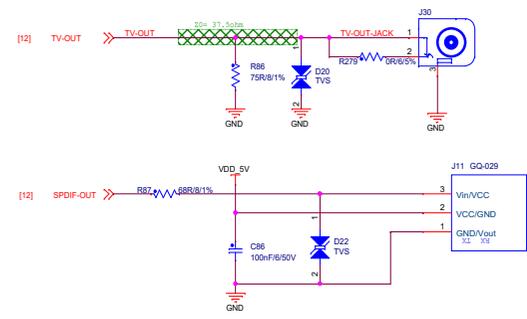
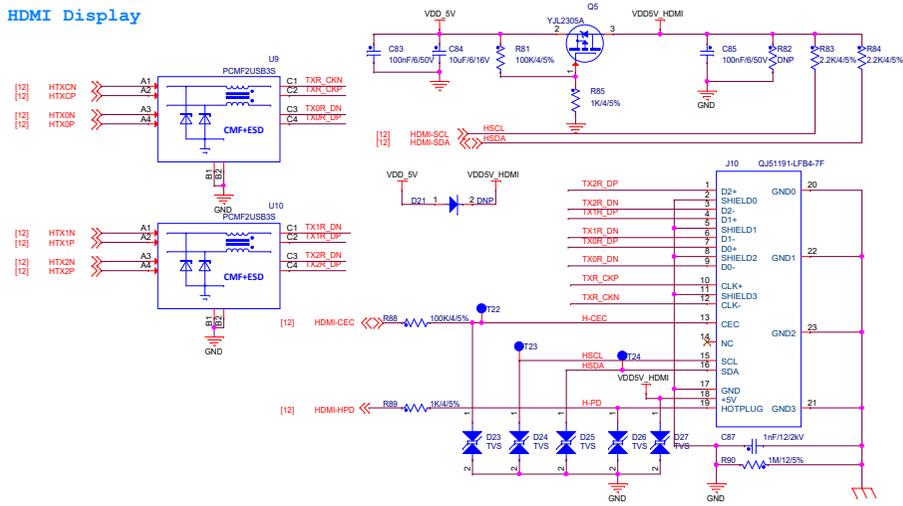
BOOT SEL



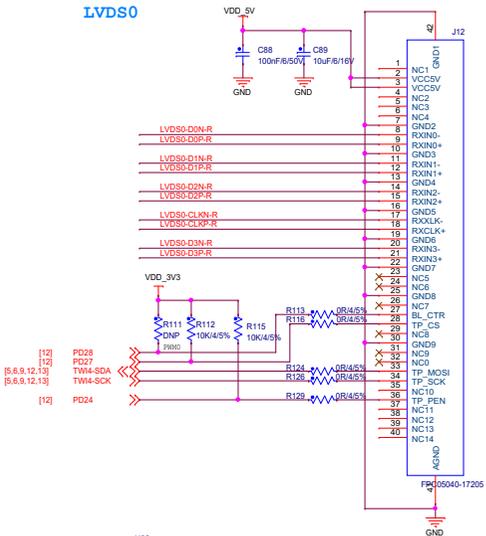
Boot Config

BOOT_SEL[4:0]	Boot Media
11011	SMHC0 -> EMMC_Boot -> eMMC_User
11101	SMHC0 -> eMMC_User -> EMMC_Boot
11110	SMHC0 -> SLC Nand
11111	SMHC0 -> MLC Nand

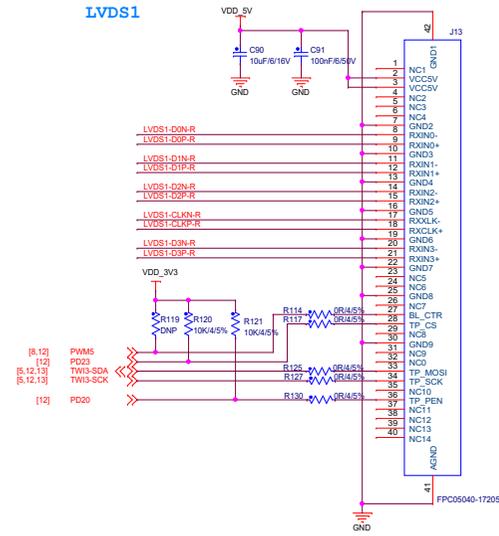
HDMI Display



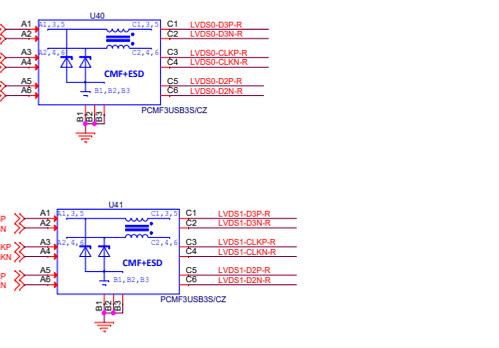
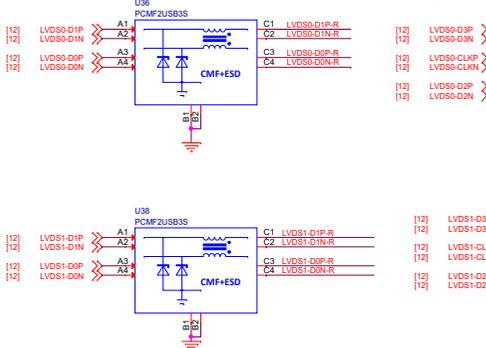
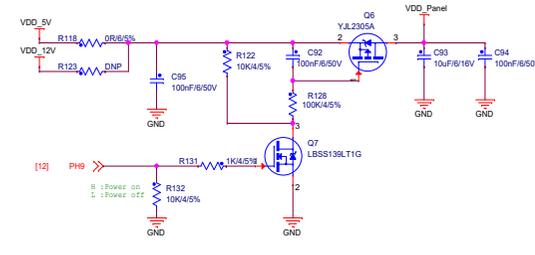
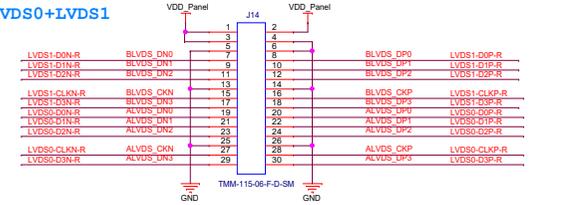
LVDS0



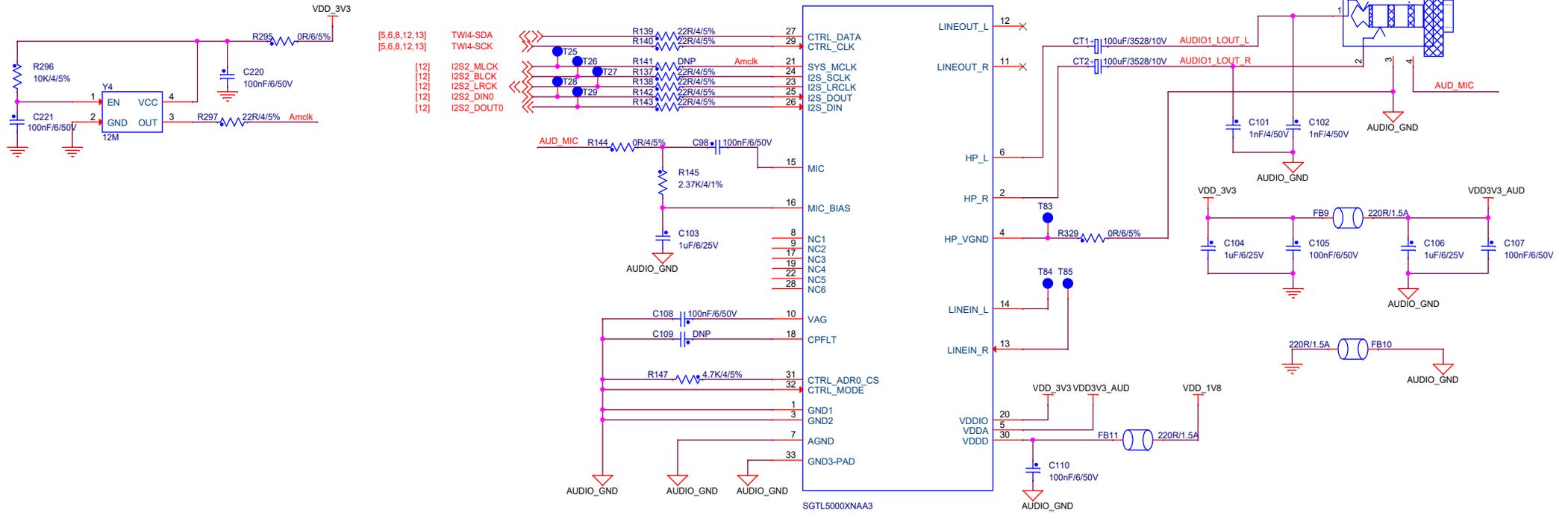
LVDS1



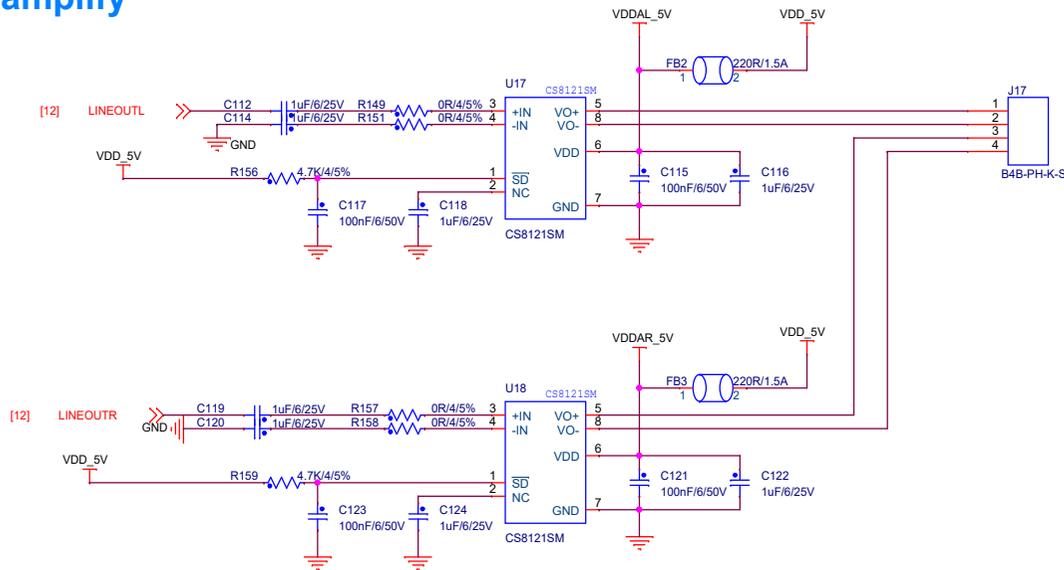
LVDS0+LVDS1



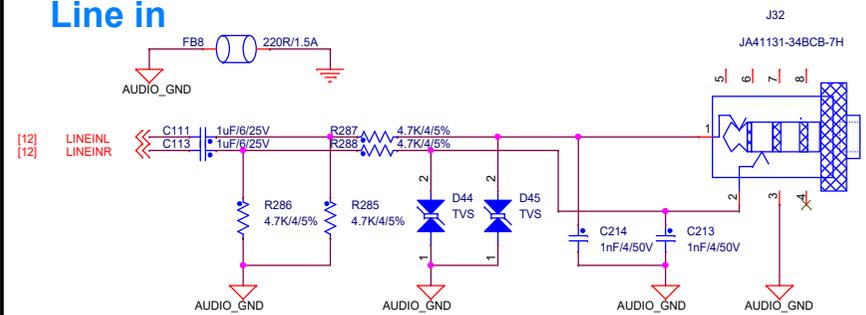
Audio I2S



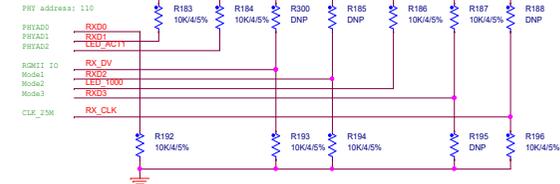
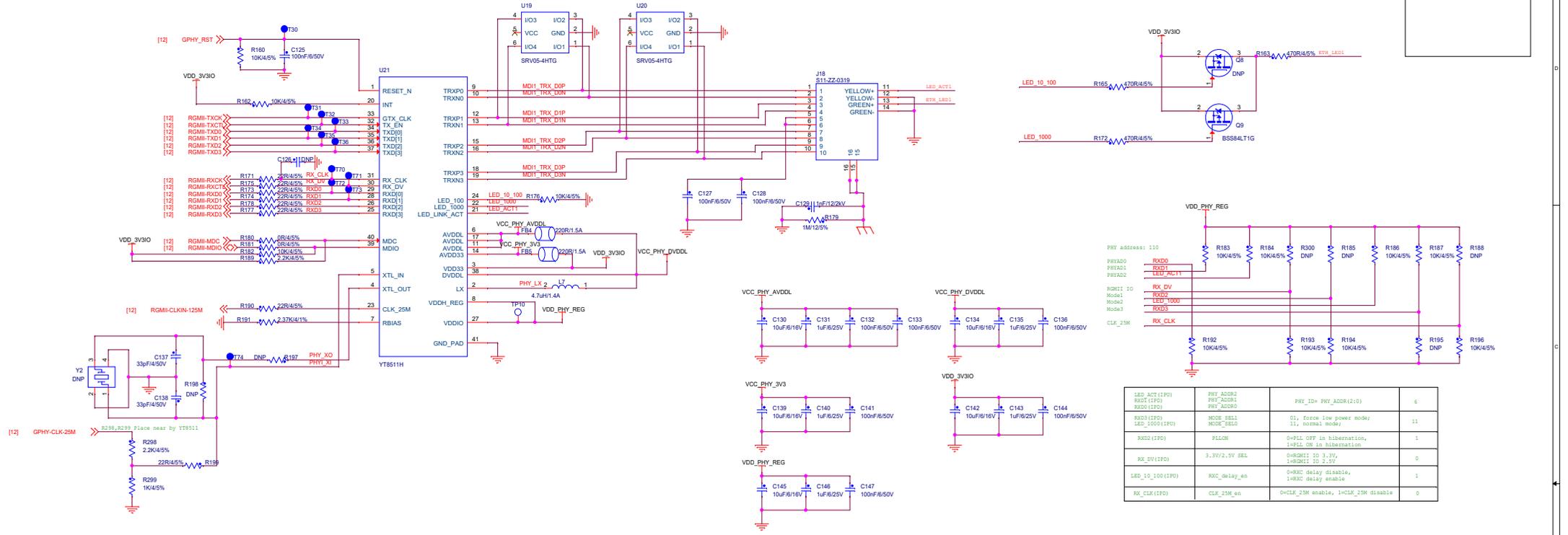
Audio amplify



Line in

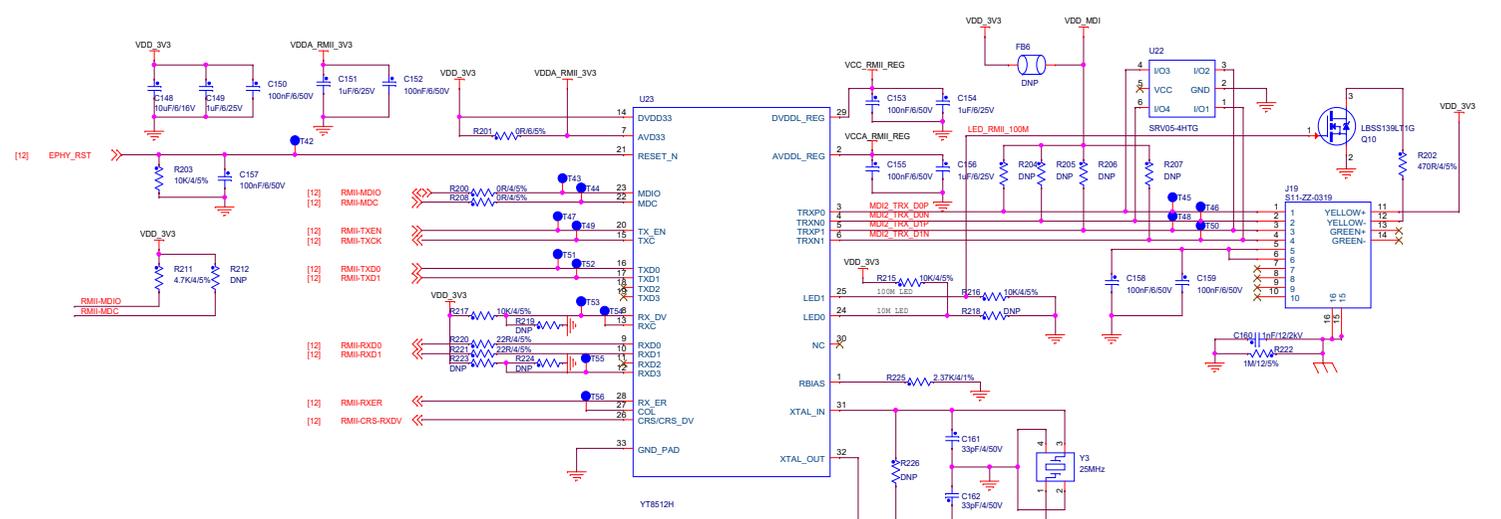


RGMII PHY

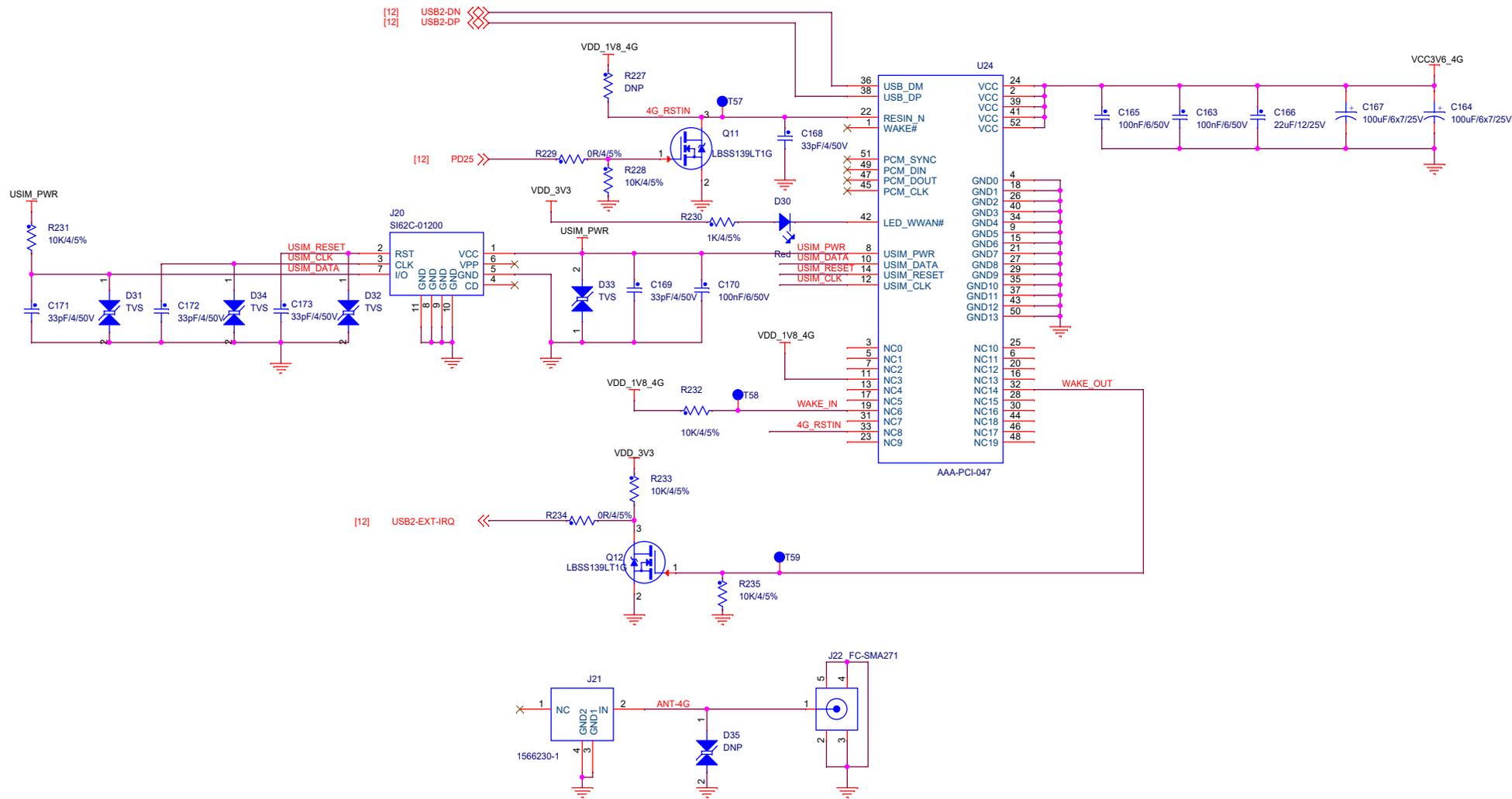


LED_ACT(IPF0)	PHY_ADDR0	PHY_ID# PHY_ADDR(2:0)	4
RX03(IPF0)	PHY_ADDR0	PHY_ADDR0	
RX00(IPF0)	MODE_SEL1	01, force low power mode	11
RX03(IPF0)	MODE_SEL0	01, normal mode	
RX02(IPF0)	P2LOW	0=PLL OFF in hibernation, 1=PLL ON in hibernation	1
RX_DV(IPF0)	3.3V/2.5V_SEL	0=RGMII 10 3.3V, 1=RGMII 10 2.5V	0
LED_10_100(IPF0)	RXC_delay_en	0=RXC delay disable, 1=RXC delay enable	1
RX_CLK(IPF0)	CLK_25M_en	0=CLK_25M enable, 1=CLK_25M disable	0

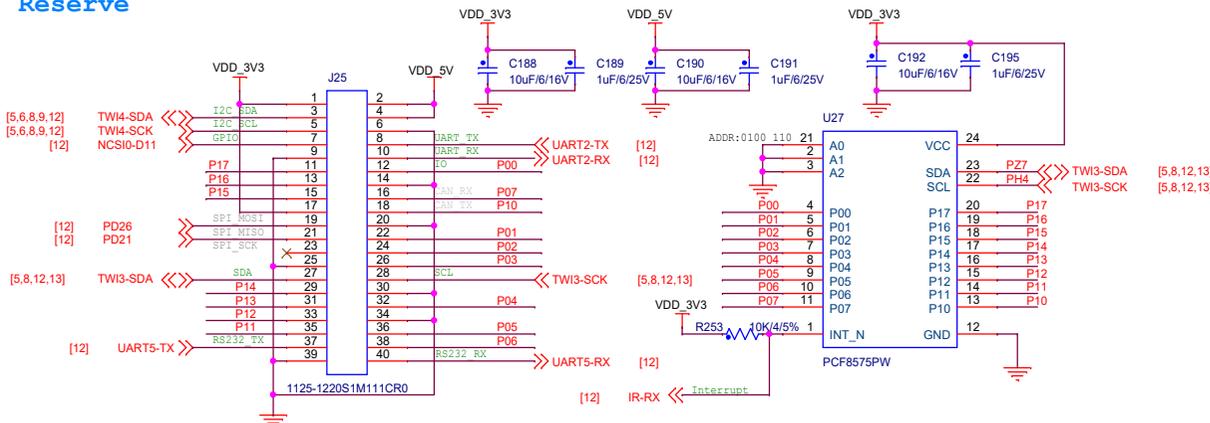
RMII PHY



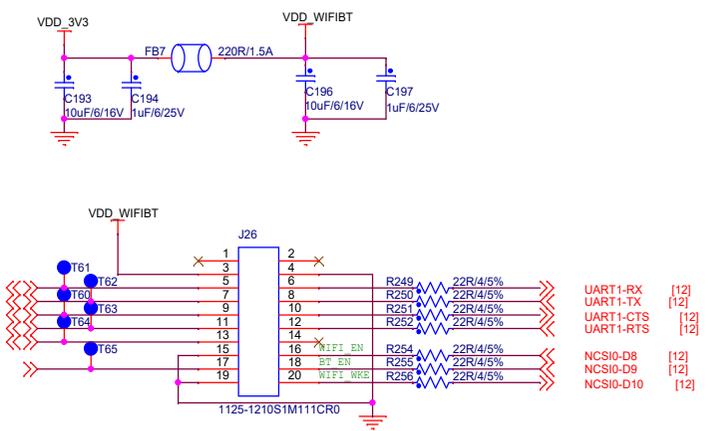
RX_DV(IPF0)	RXC03(IPF0)	RXC02(IPF0)	RXC01(IPF0)	RXC00(IPF0)	00 = RII Mode 01 = RMII Mode 10 = RMII2 Mode, TXC 500Hz is output 11 = RMII1 Mode, TXC 500Hz is input	b*10
RXC01(IPF0)	LED0/MODE_SEL	0=LED0, 1=NOG INT				0
LED01(IPF0)	PHY_ADDR1	PHY_ID# =01				1
LED00(IPF0)	PHY_ADDR0					



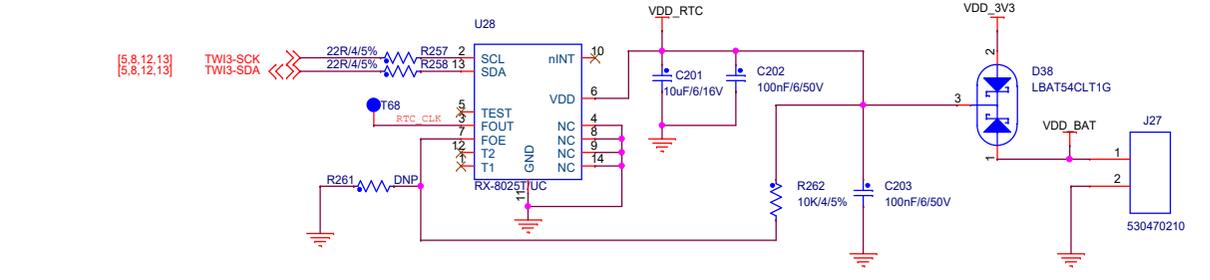
Reserve



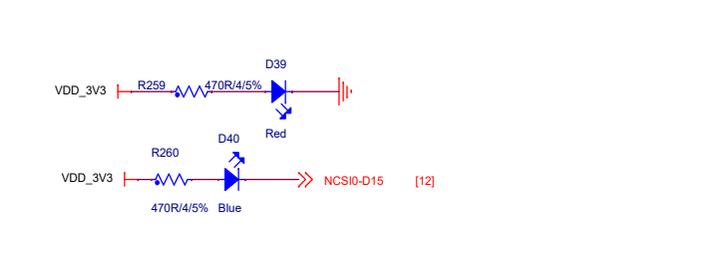
SDIO & UART



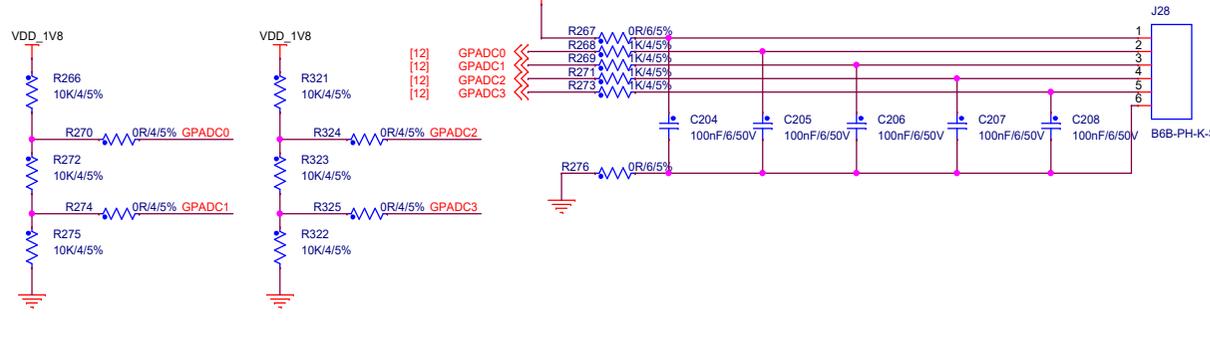
RTC



LED



GPADC

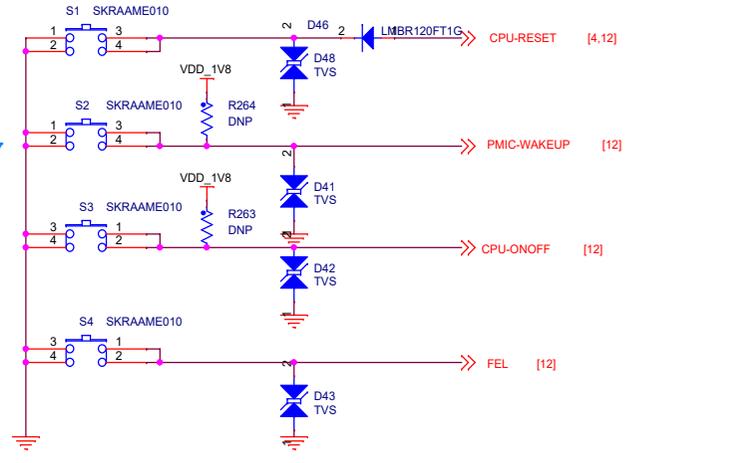


Reset Key

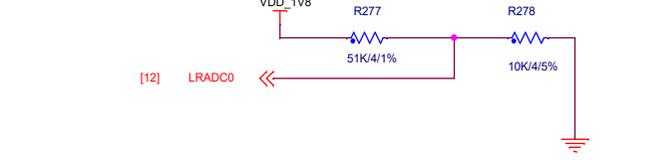
WakeUp Key

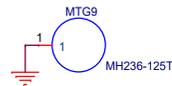
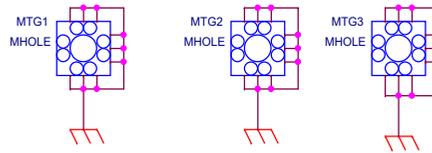
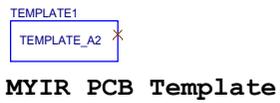
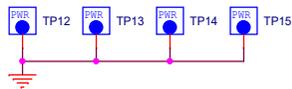
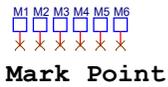
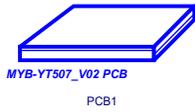
ONOFF KEY

FEL Key



LRADC





Mechanical Hole for Mounting 4G Module

