V06

- 1, Del NFC PN7150, Add CON24, UART1 for GNSS or Debug, SPI2 to CON24, UART2 for BT
- 2, Move SMC BOOTO to Page 22, TP6.
- 3, HKs Add Pull-up Resistor , And add Read state GPIO.
- 4, TYPE-C U27 LSX no connect.
- 5, Correct Y2, Y3 Connect.
- 6, Add Voltage Test Point , >40 point
- 7, Add SIM DET D6.
- 8, CAMERA Modify. Add LDO for DVDD 1.2 and 1.05.
- 9, TFT con Modify.
- 10, STM32 PA10 NC. UART add Pull-up R108, R135

V07

- 1, UART1 to LSX, UART2 to GNSS, UART4 to bt, SPI1 to CON24
- 2, U329 19PIN add Pull-up R229.

V08

- 1, UART2 to LSX
- 2, HW state IO add resister. R48, R66, R145
- 3, 4G, WIFI ant CON add Debug L, C
- 4, Add shielding Case Hold.
- 5, DEL F12, Modified IO U329 for L9 layer to GND.
- 6, INT_M/A/G, NFC_EN, NFC_IRQ modified IO to E1 for L2 to GND
- 7, ADD R232

V09

- 1, AUX_P , AUX_N swapped.
- 2, Add R236.
- 3, Del R153
- 4, LED_G to 8M D3 pin. NFC_IRQ to 8M E1 pin, INT_M/A/G to 8M L4 pin.
- 5, R122, R58 to 27K, R123 to 47K.
- 6, 4G used SAI6. ADD u5

V091

- 1, U5 8pin to SAI1_TXD5, 9pin to SAI1_RXD5.
- 2, ADD U7 for CAM_AFVDD, 2.8V 120mA.
- 3, U2 modified USB2642

V092

- 1, BOOT Resistor Modified.
- 2, EMMC 32G.
- U3 NC.
- 4, PWM IO modify. MOTO E6, PMIC_5V T7, LED_B K6.

V093

1, R830 NC, R811 10k.

V094

- 1, BAT CON Modified for 1000 times.
- 2, ADD L66 L67

V095

1, R115 Modified to 200.

V096

- 1, ADD R153 for TPS65983B Slave.
- 2, Modified LM36922 to I2C3, J10 to I2C4.

V097

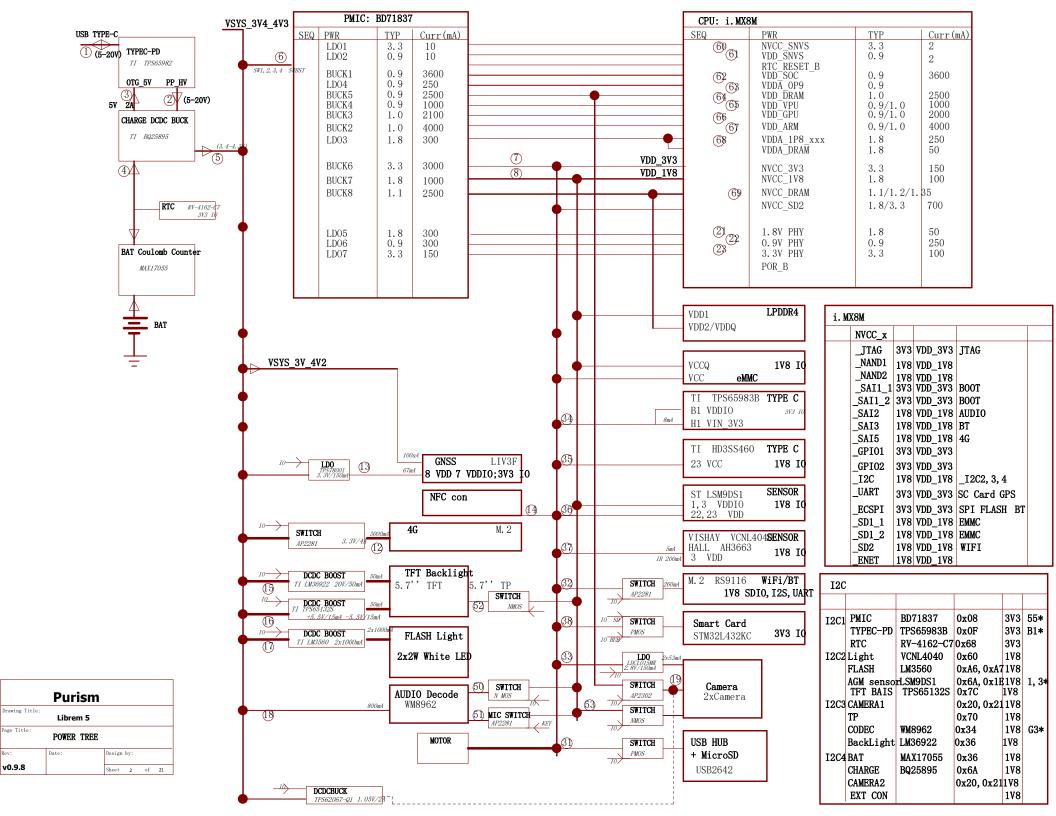
- O, CHG_STATUS_B connect Red LED.
- 1, Add N-mosfet Q8 on SD2 NCD.
- 2, TPS65982 LDO 1V8D Connected BUSPOWERZ.
- 3, VDD_3V3 add 4x22uf C231....
- 4, VSYS 3V4 4V3 add 7x22uf C281....
- 5, U27 TPS65982 F2 UART RX 100k R223 connect GND.
- 6, Add NET BT_WAKE
- 7, AUDIO_POWER_KEY connect Q2 PIN1.
- 8, ADD U68 NTSX2102
- 9, BOOT_CFG PU to NVCC_SNVS_3V3
- 10, R176 PU to NVCC SNVS 3V3
- 11, R104 10 value.
- 12, R82 0402 0.1%
- 13, R934 100K
- 14, U2 USB2642 27,28 connect GND, 26 connect VDD.
- 15, ADD Q9, Modified WIFI REG ON, BT REG ON.
- 16, ADD R238 UART2 RXD PU USB PD LD03V3
- 17, ADD Q10, R239, R240, R241
- 18, Add TYPEC_HRESET,
- 19, R42 1M ,
- 20, U147 connect TPS65982
- 21, SW3,SW5,SW7 2-3PIN
- 22, J50 modified
- 23, J12 modifed

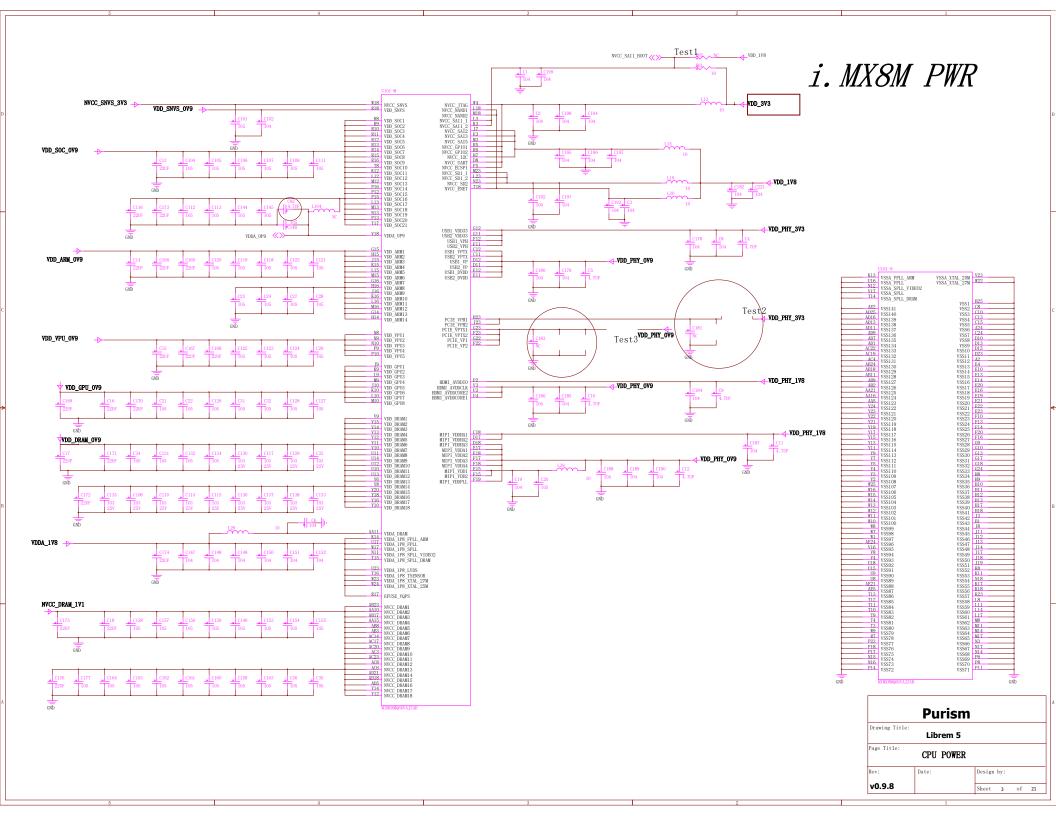
V098

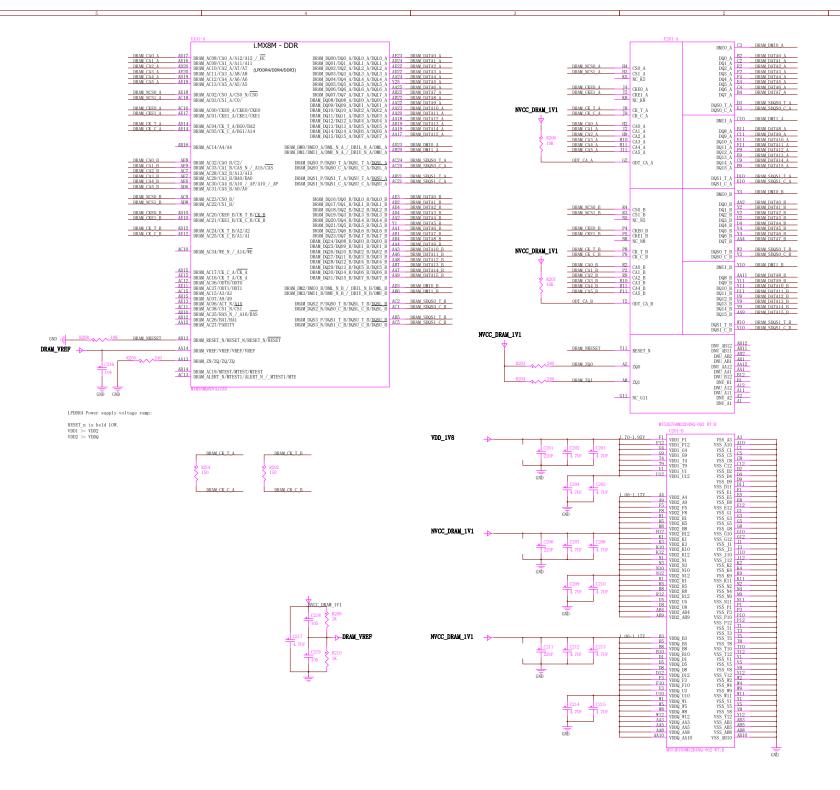
- 1, 0 ohm jumpers SPI.
- 2. C181 NC
- 3,main board usb 2.0 connector
- 4,PFET pull up UART2 RX
- 5,red LED powered by VSYS
- 6. TPS65982 I2C2 10K pull-ups
- 7, TPS65982 remove usb 2.0
- 8, TP34 connect USB_VBUS for test
- 9, SPI MISO ADD pull-up 10K
- 10, ADD u50,U51, C335,C336
- 11, R41 modified to 0

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Chestnut		Sheet 1 of 21

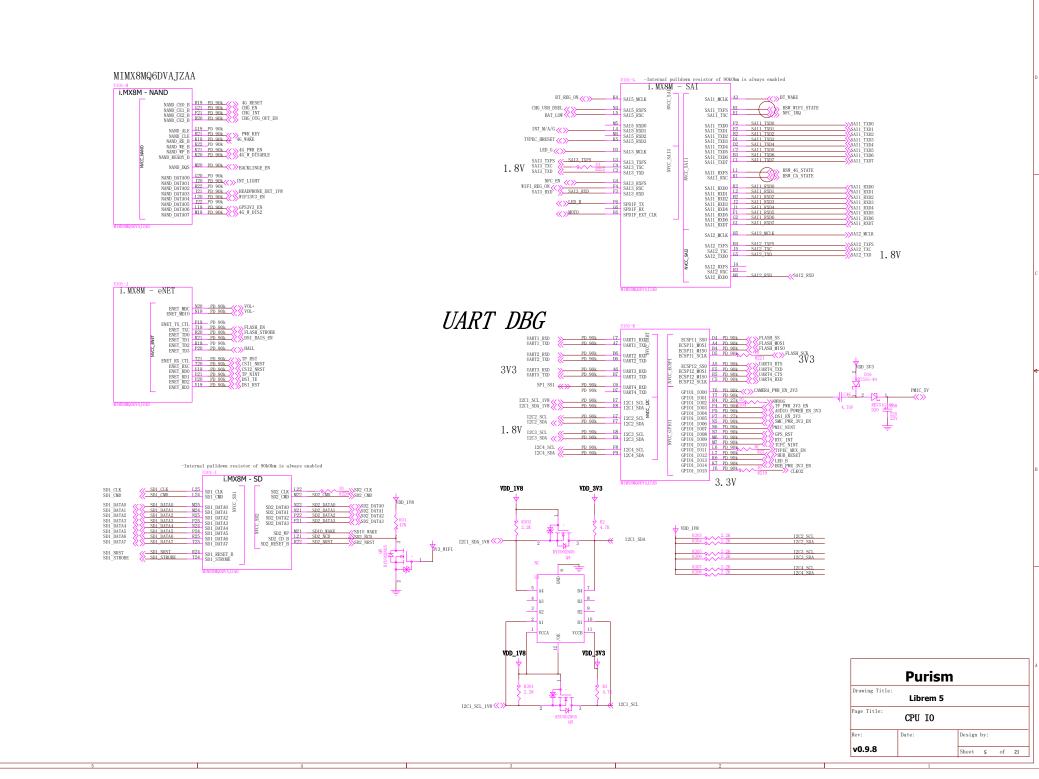






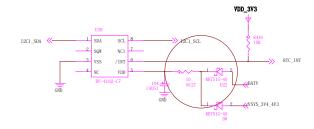
LPDDR4

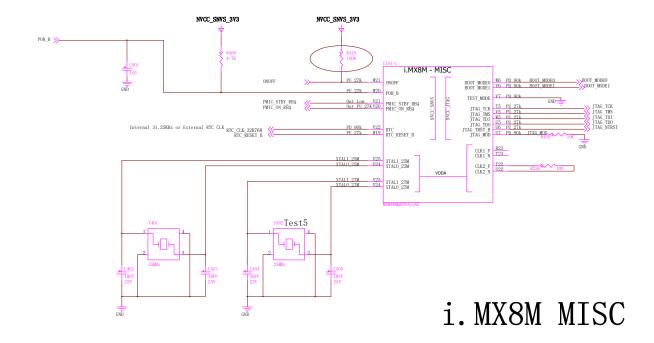
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Rev:	Date:	Design by:	
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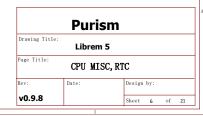


JTAG Debug

RTC



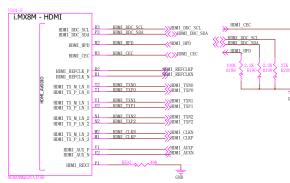




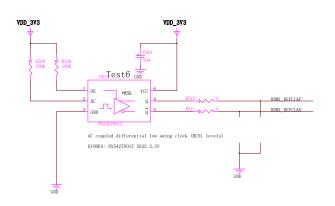
i.MX8M PHY

USB RESEEF; Attach a 200-0 1% 100-ppm/C precision resistor-to-ground on the board. MPIDIS REXT: 15K-0 PCIE: 200-041% \pm 100 ppm/ C precision resistor to-ground on the board. HBMI:a 499 0 (\pm 1% tolerance) resistor to-ground on the board

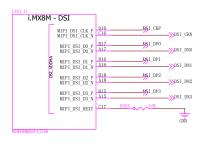
i.MX8M - CSI MIPI_CSI1_CLK_P A22 MIPI_CSI1_CLK_N A22 MIPI_CSI1_D1_P C22 MIPI_CSI1_D1_N CSI_P2_DP0 CSI_P2_DN0

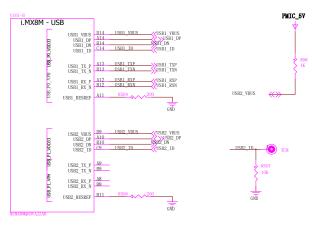


AC coupled differential low swing clock (HCSL levels)

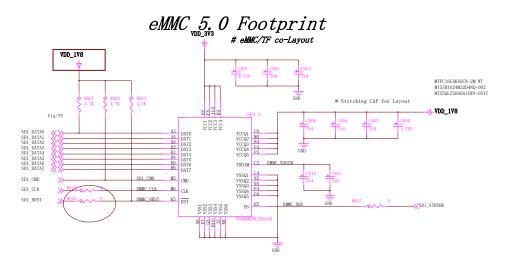


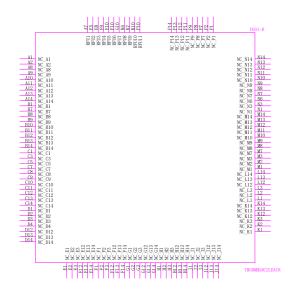




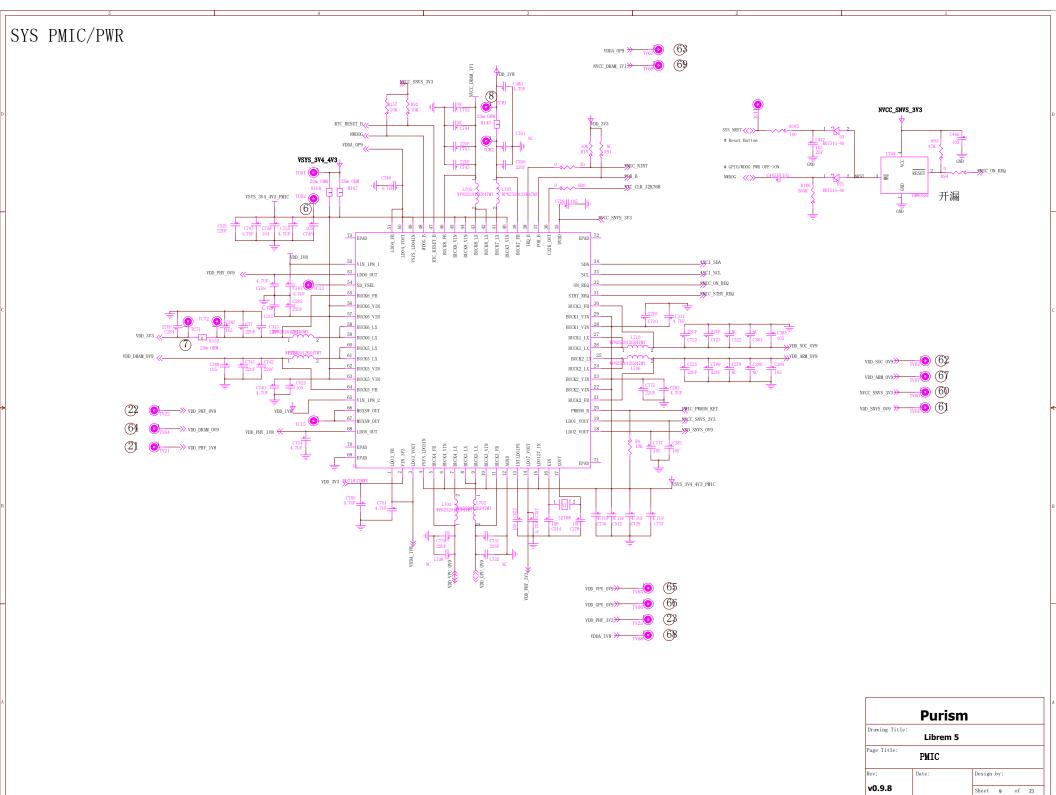


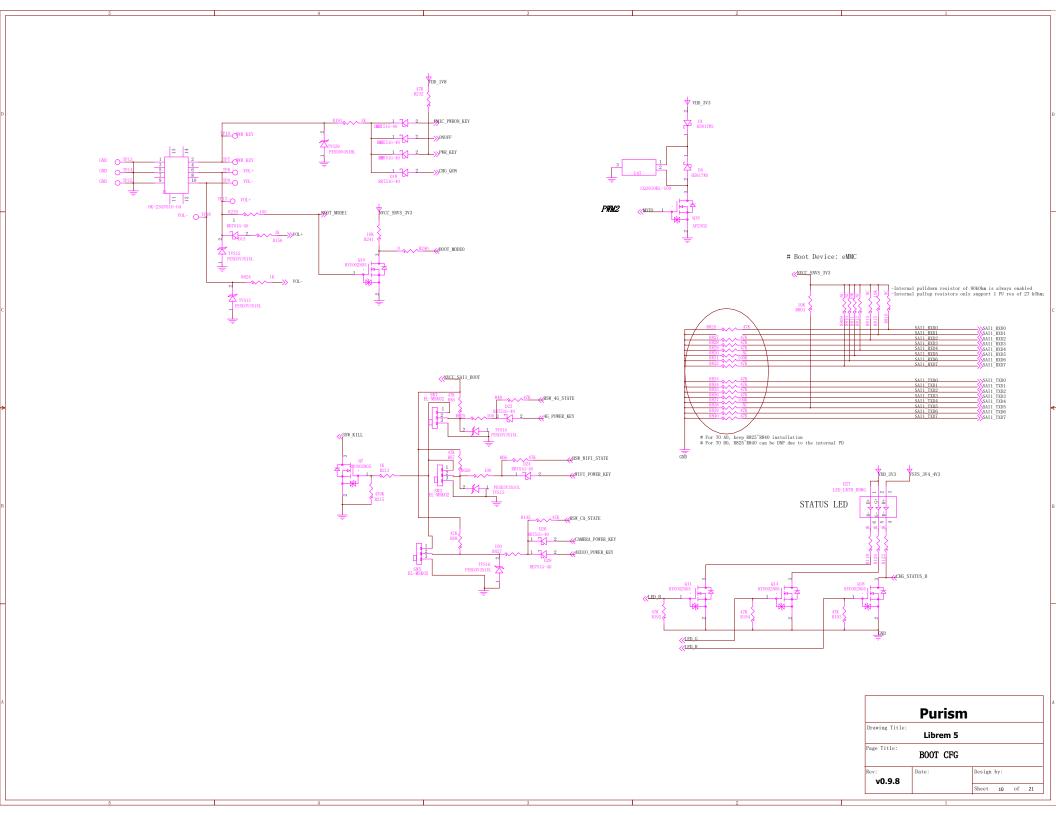
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Rev:	Date:	Design by:
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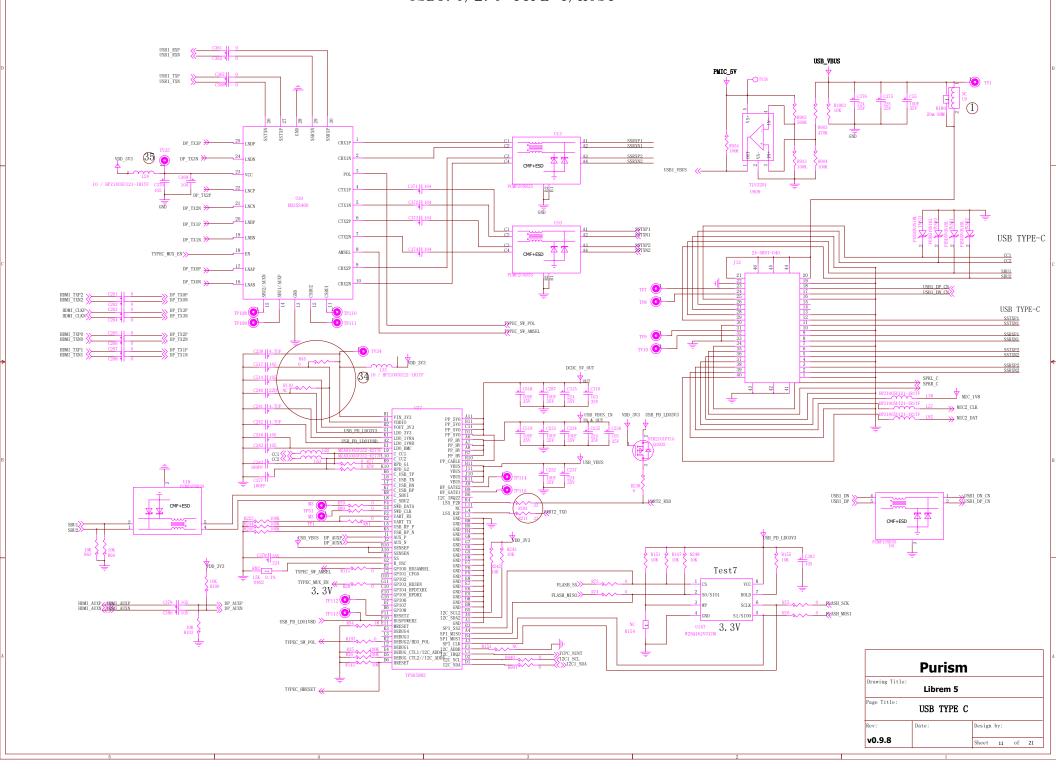


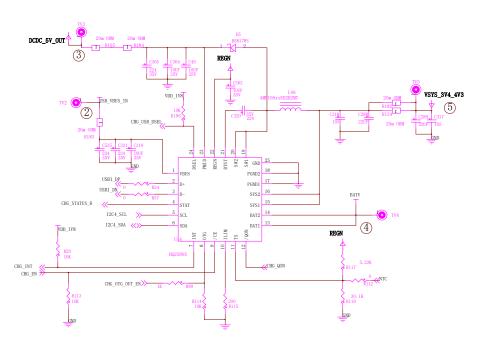
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Page Title:	EMMC	
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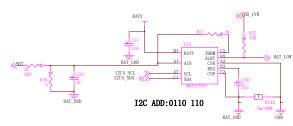


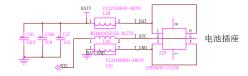


USB3. 0/2. 0 TYPE-C/HOST

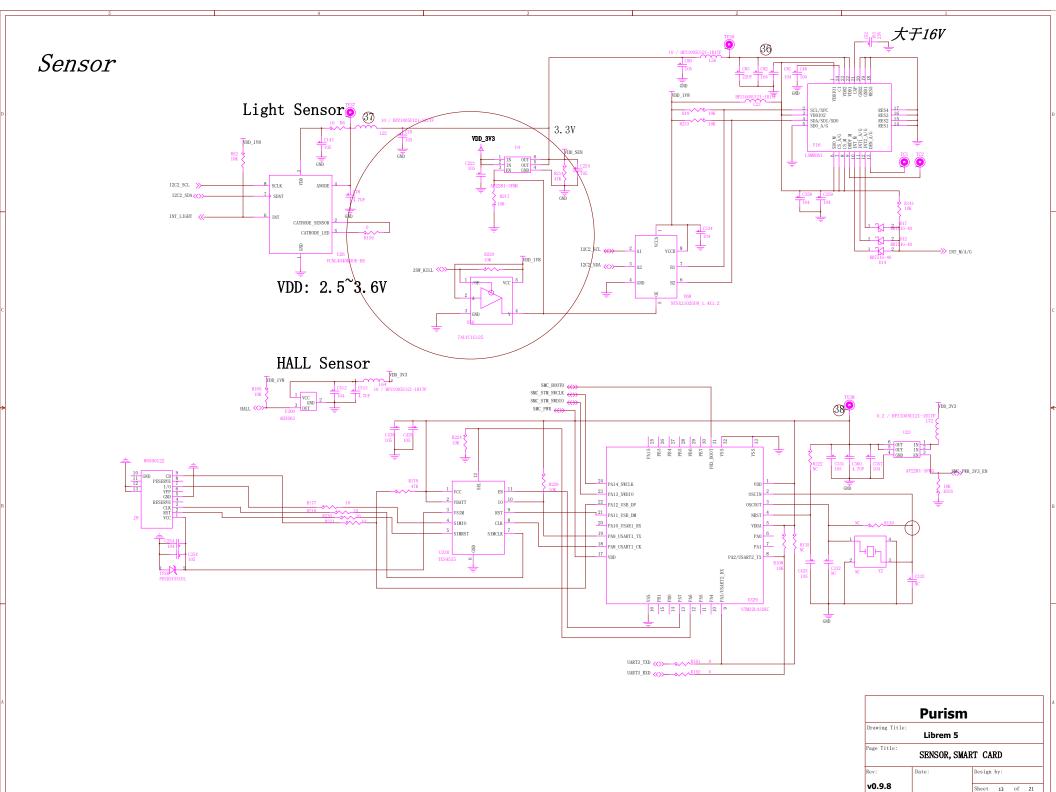




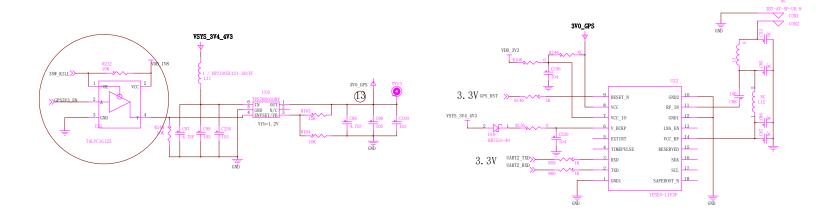




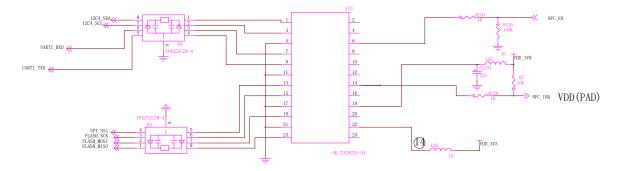
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Page Title: CHARGE, BAT, LED		
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GNSS

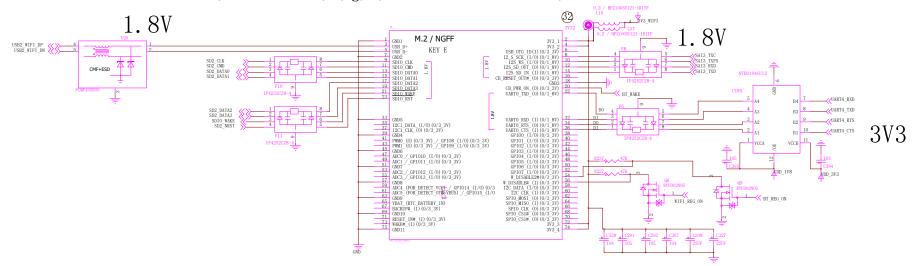


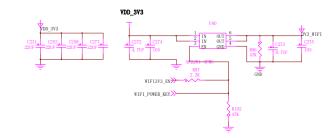
EXT CON

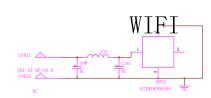


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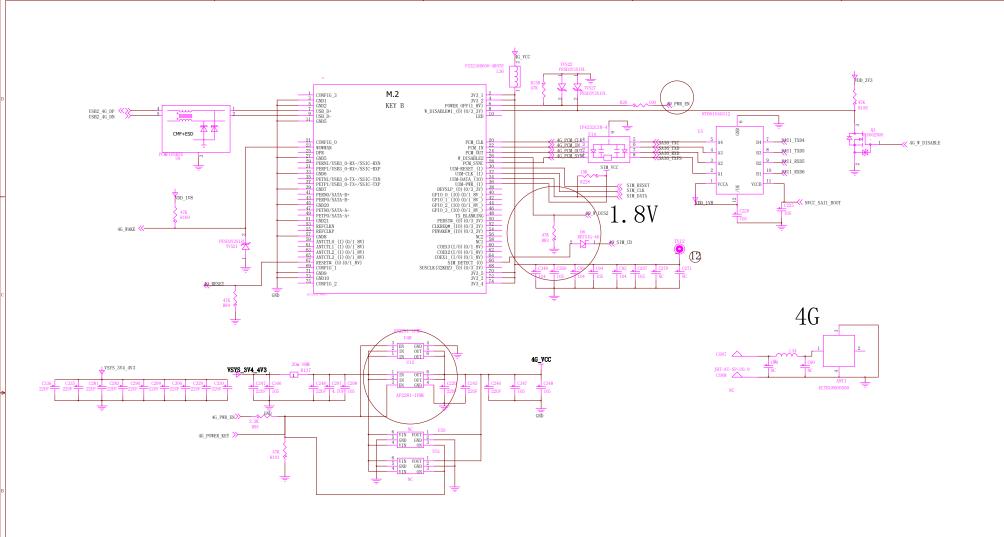
WiFi/BT 802.11a/b/g/n/ac + Bluetooth 4.1/ EDR



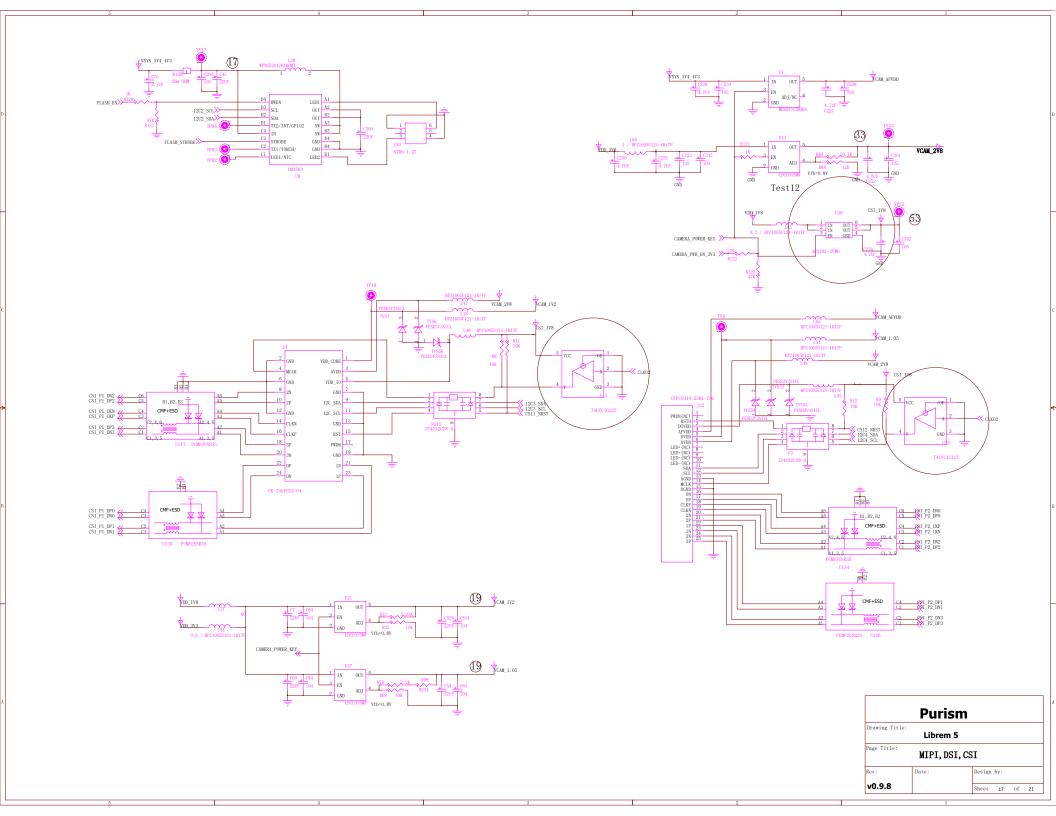




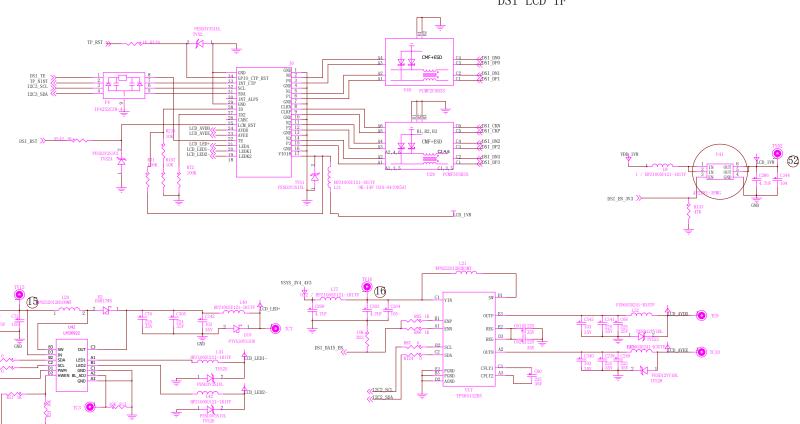
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Page Title:	WIFI, BT	
Rev:	Date:	Design by:
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	Purism		
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Page Title:	4 G		
Rev:	Date:	Design by:	
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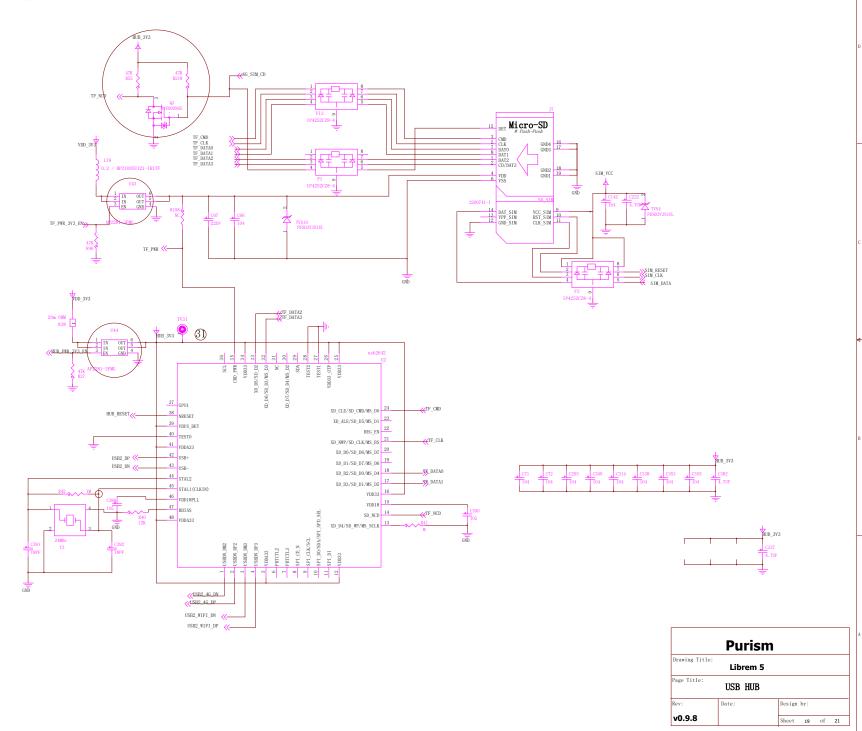


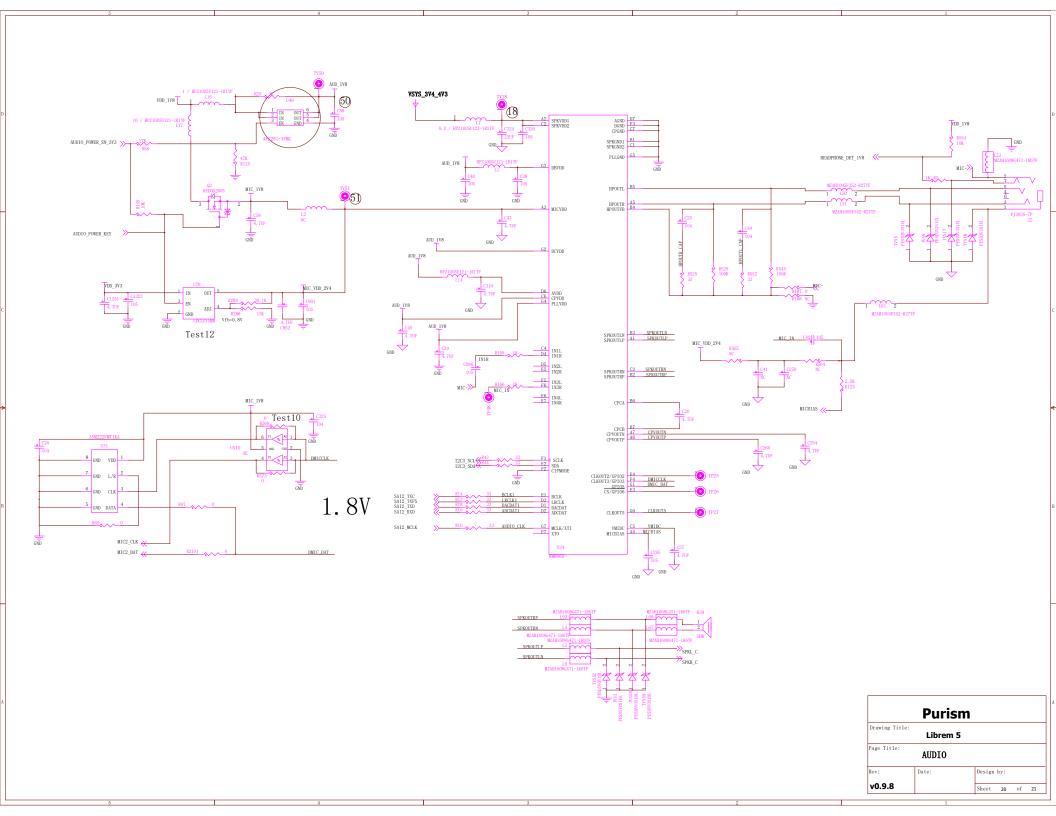


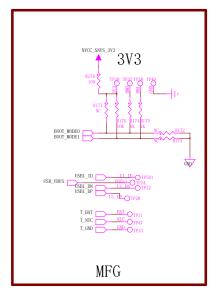


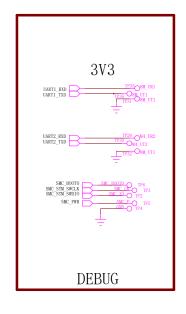


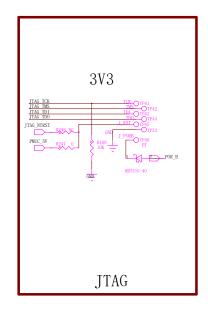
USB HUB + SDIO BRIDGE







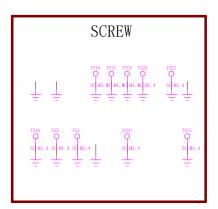


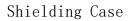


M2 module SCREW

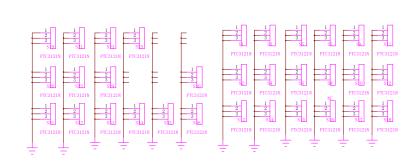


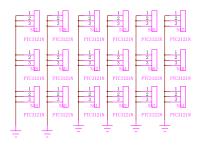
BMODE[1:0]	BOOT TYPE
00	Boot From Fuses
01	Serial Downloader
10	Internal Boot (Development)
11	Reserved





Shielding Case Hold





Purism			
Drawing Title:	Librem 5		
Page Title: DEBUG			
Rev:	Date:	Design by:	
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