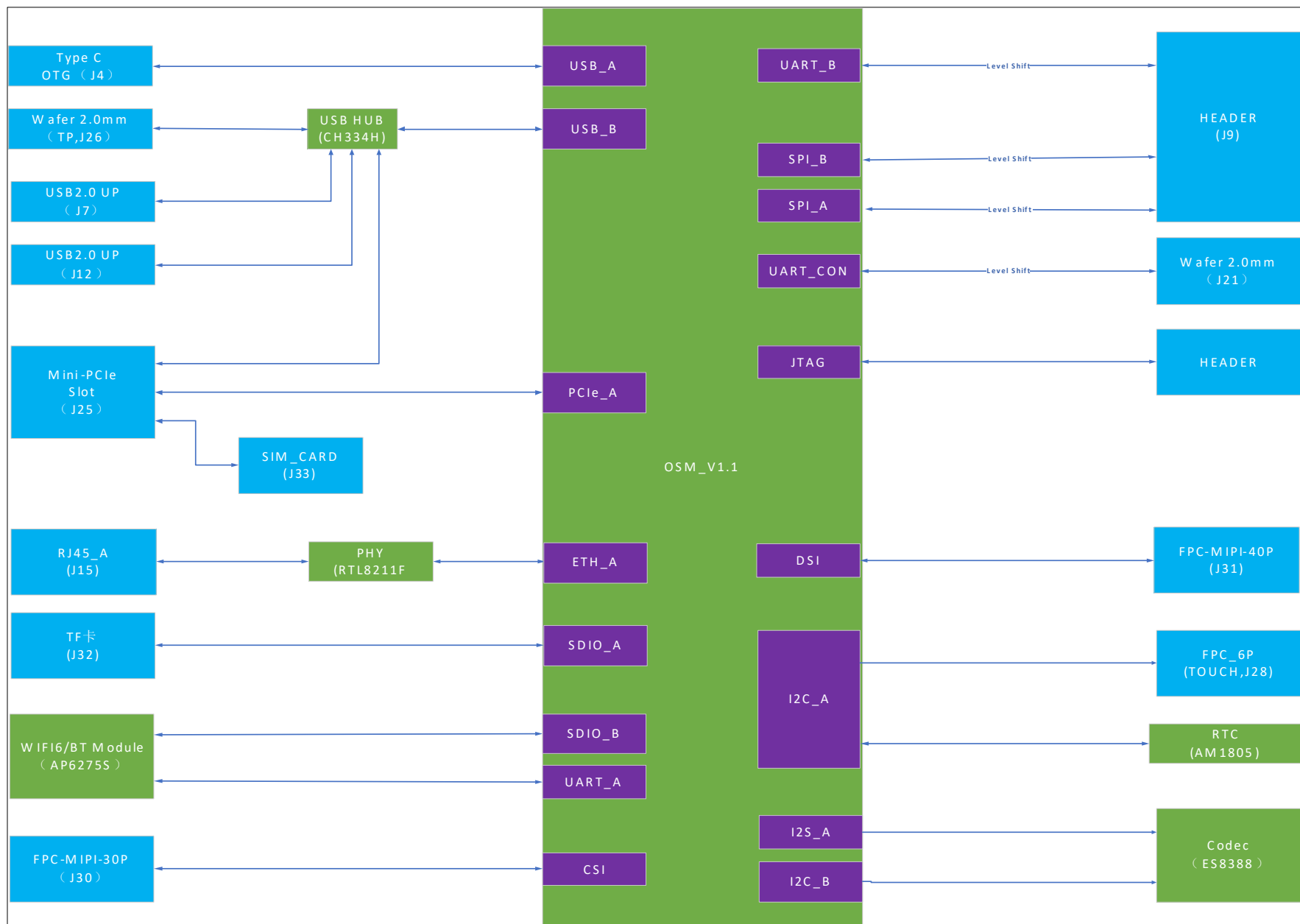
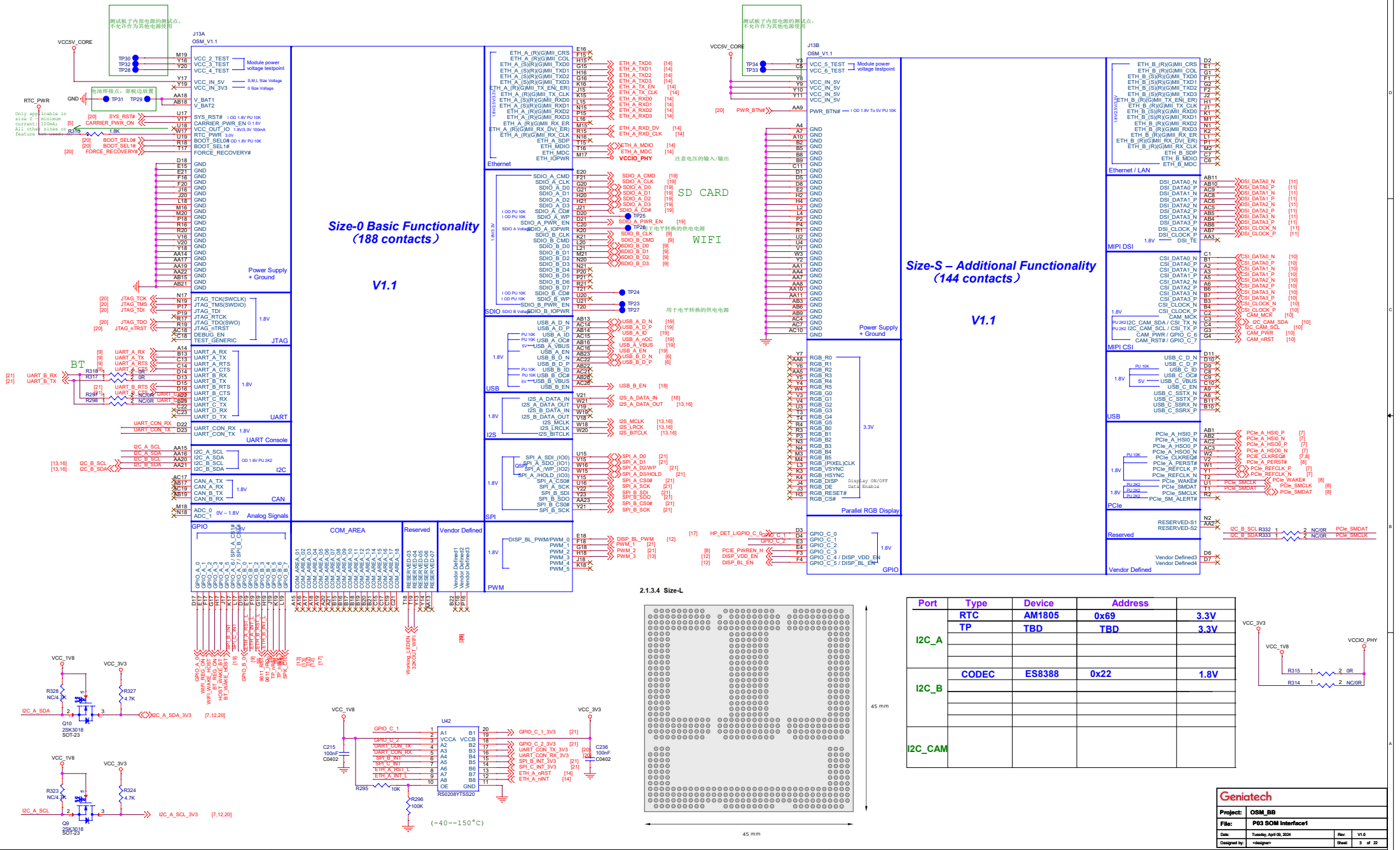
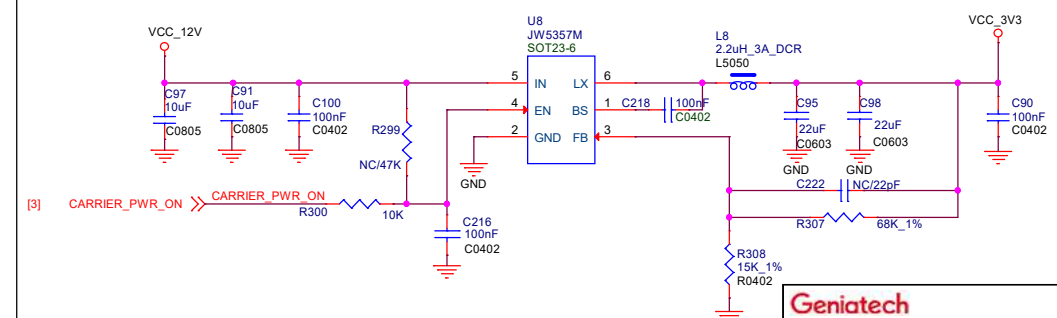
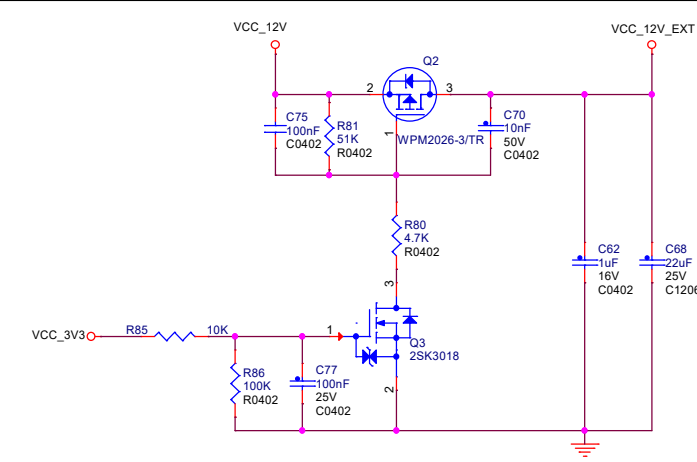
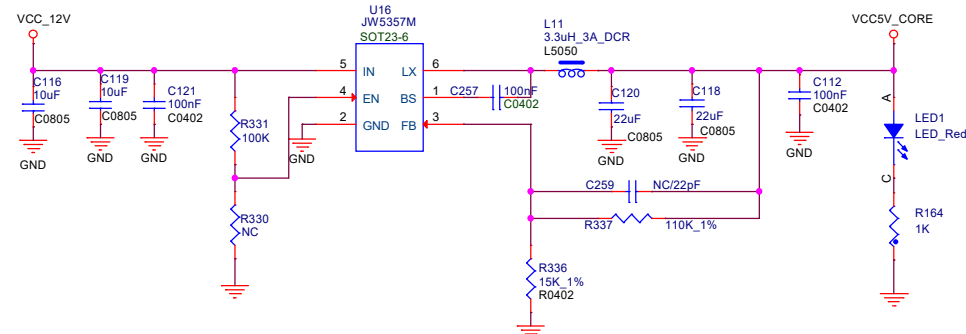


Revision History

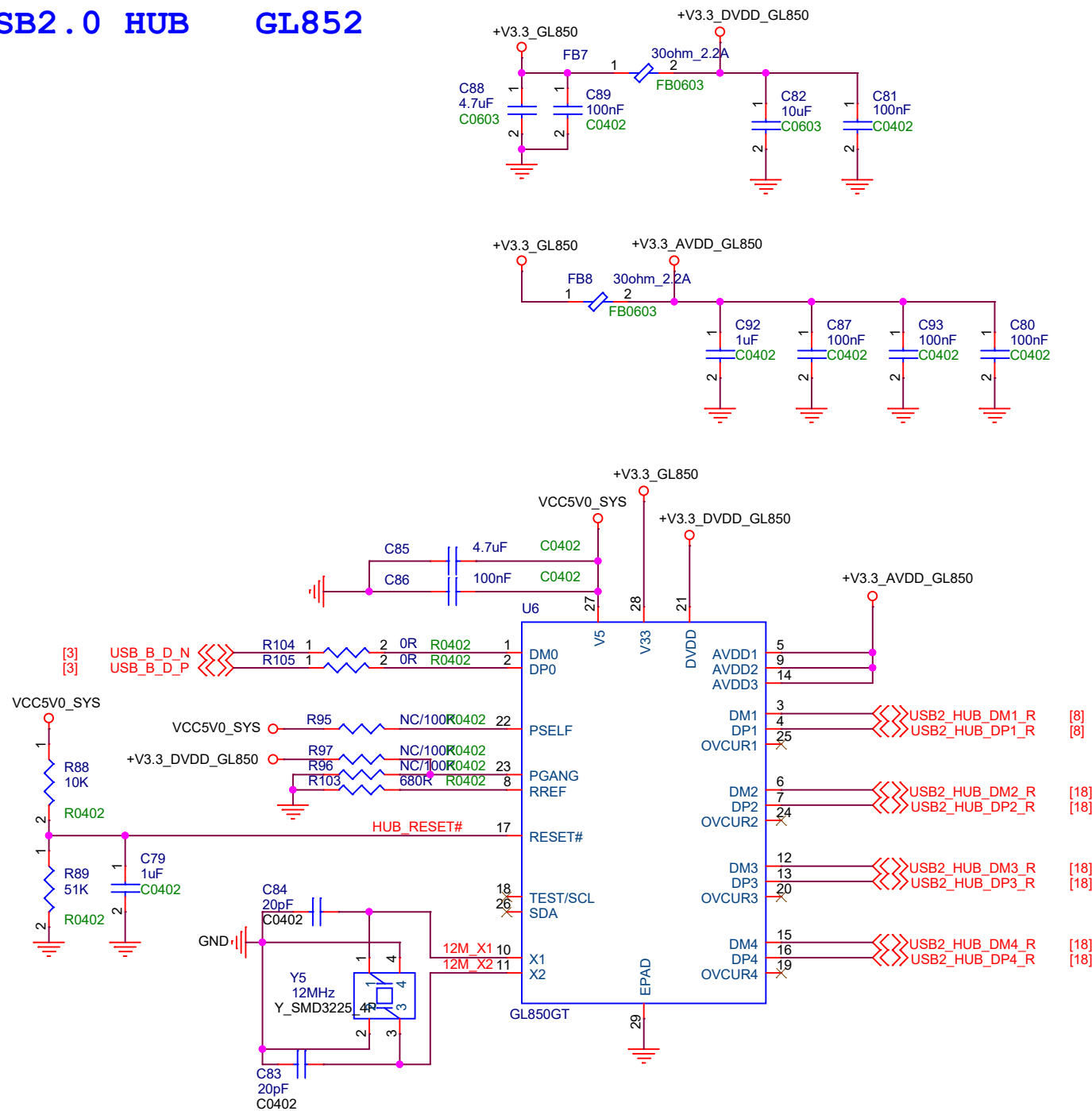
Version	Date	By	Change Dscription	Approved
V1.0	2021-12-28	Felix.ruan	1:Revision preliminary version	Chenw







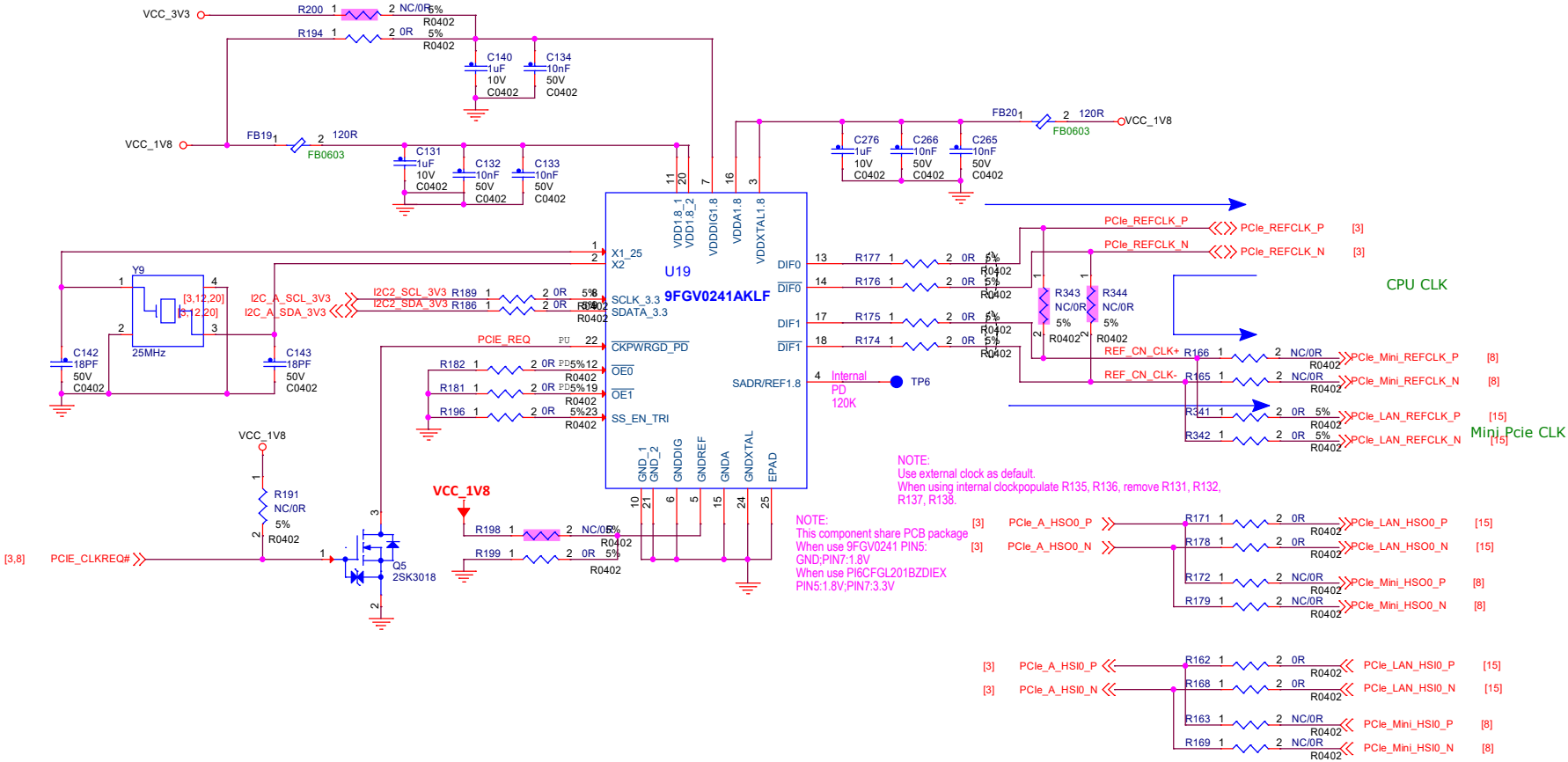
USB2.0 HUB GL852



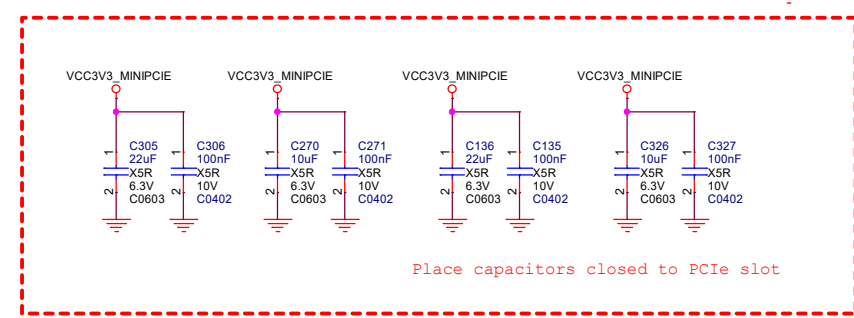
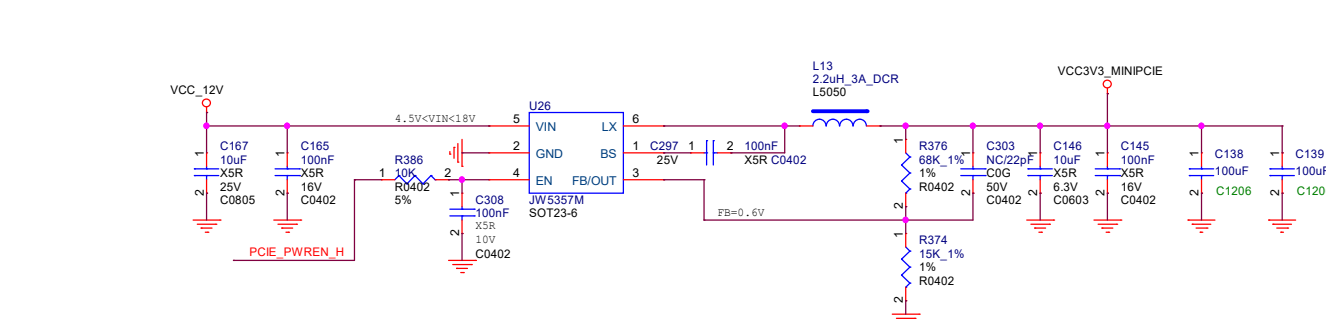
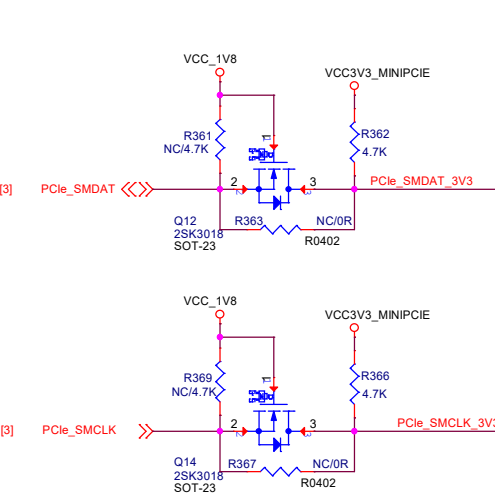
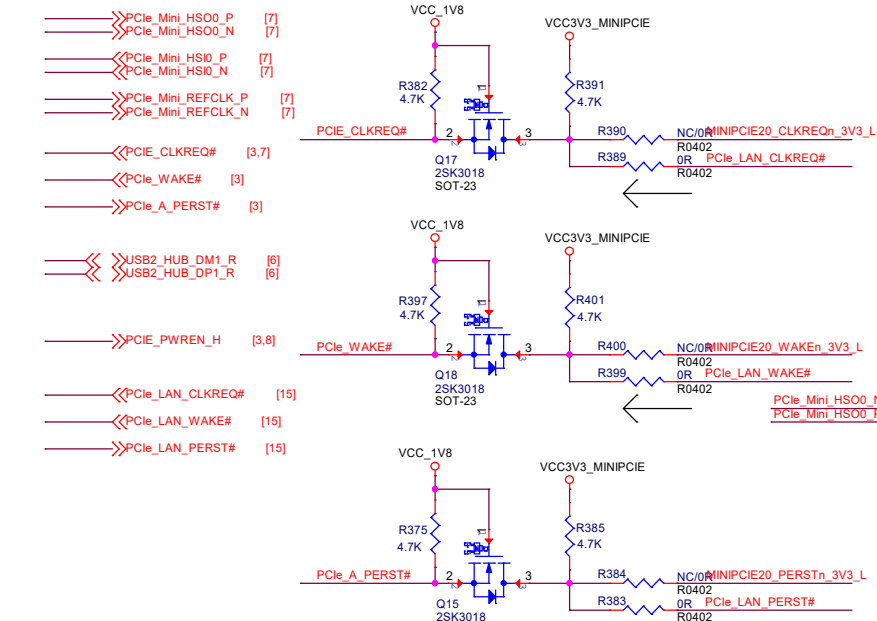
Geniatech			
Project:	OSM_BB		
File:	P06 USB2.0 HUB-GL852		
Date:	Tuesday, April 09, 2024	Rev:	V1.0
Designed by:	<designer>	Sheet:	6 of 22

M.2 PCIe NVME

100MHZ CLK

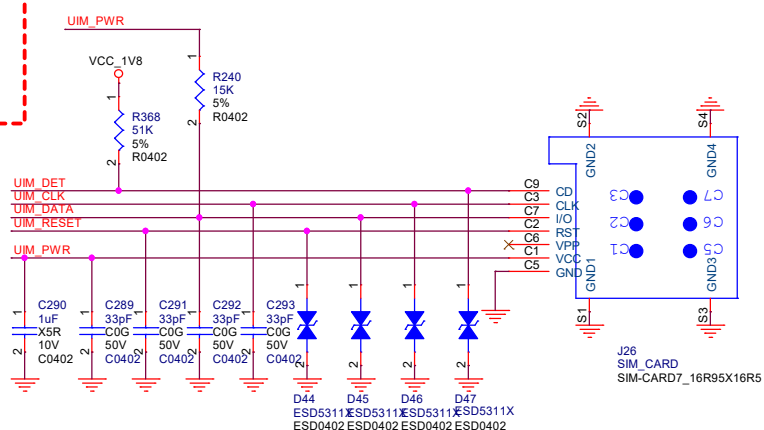
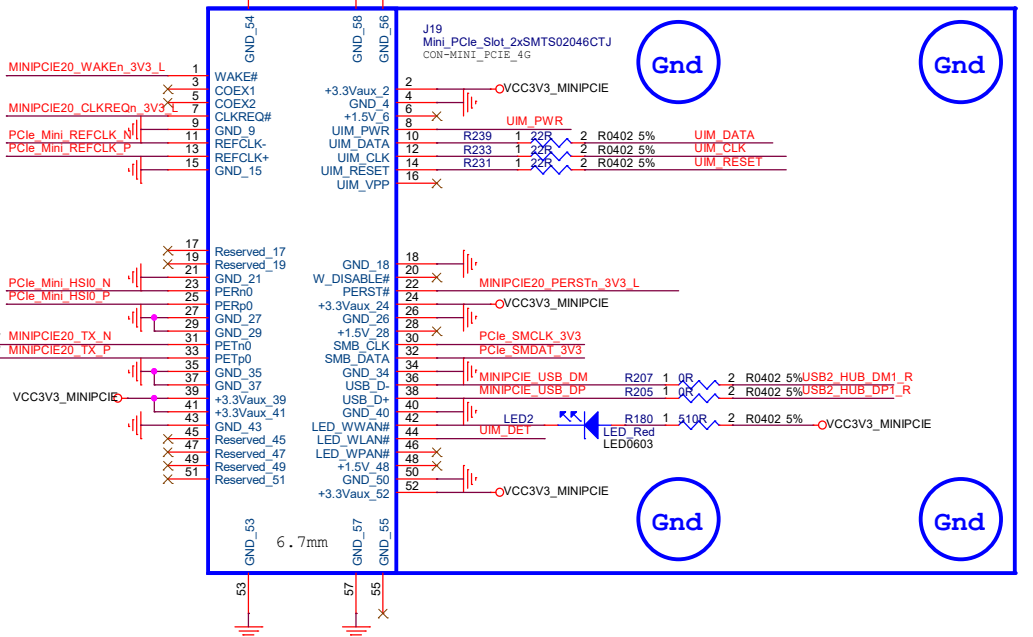


Mini PCIE

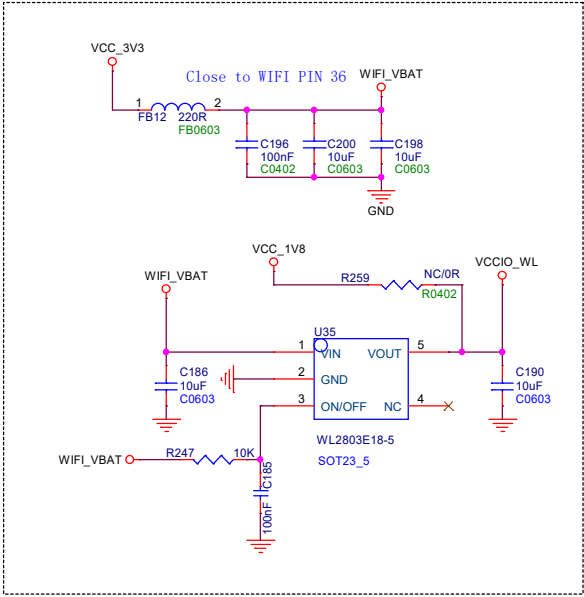
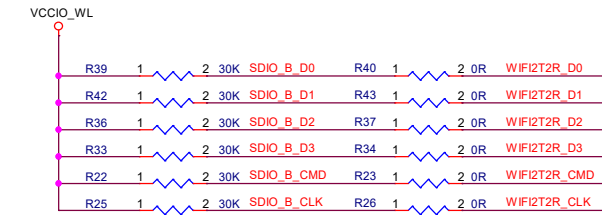
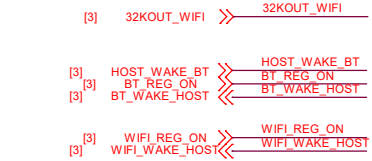
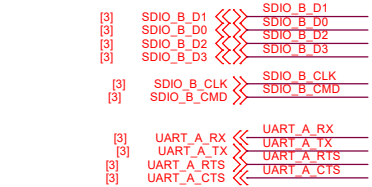


Place capacitors closed to PCIe slot

Mini PCIE



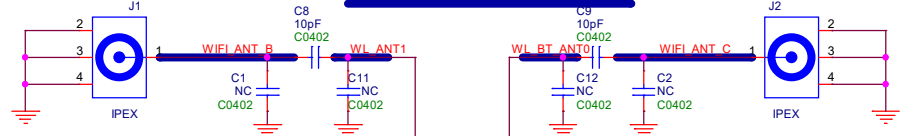
SDIO WIFI6/BT Module-2T2R



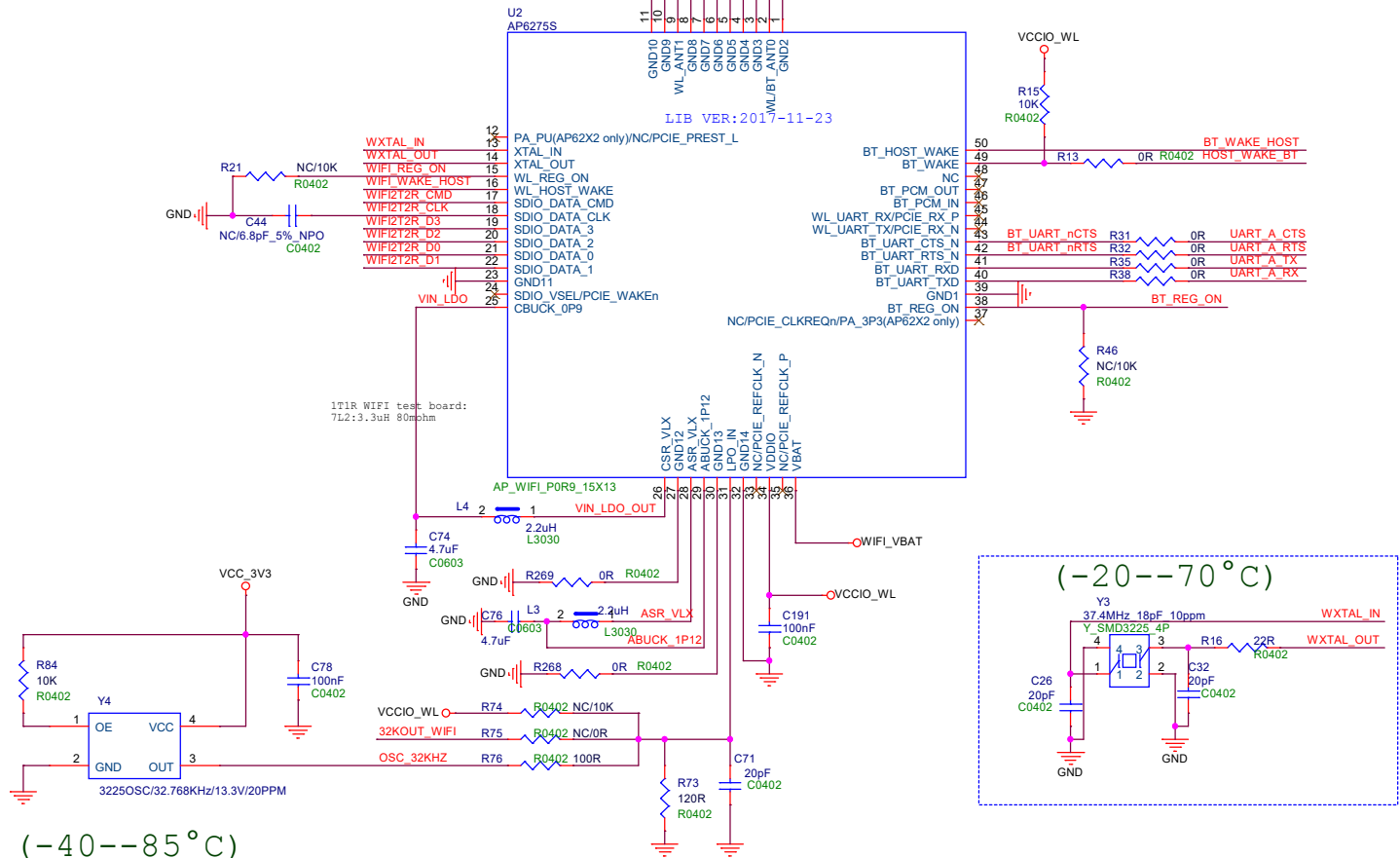
Default for 2T2R
WiFi ANT

50 ohm impedance RF trace

WiFi/BT ANT



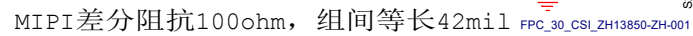
(-30--85°C)



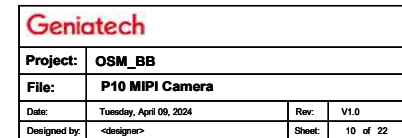
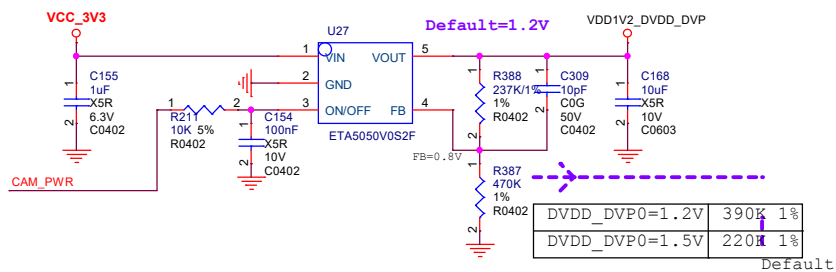
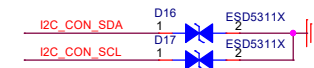
(-40--85°C)

(-20--70°C)

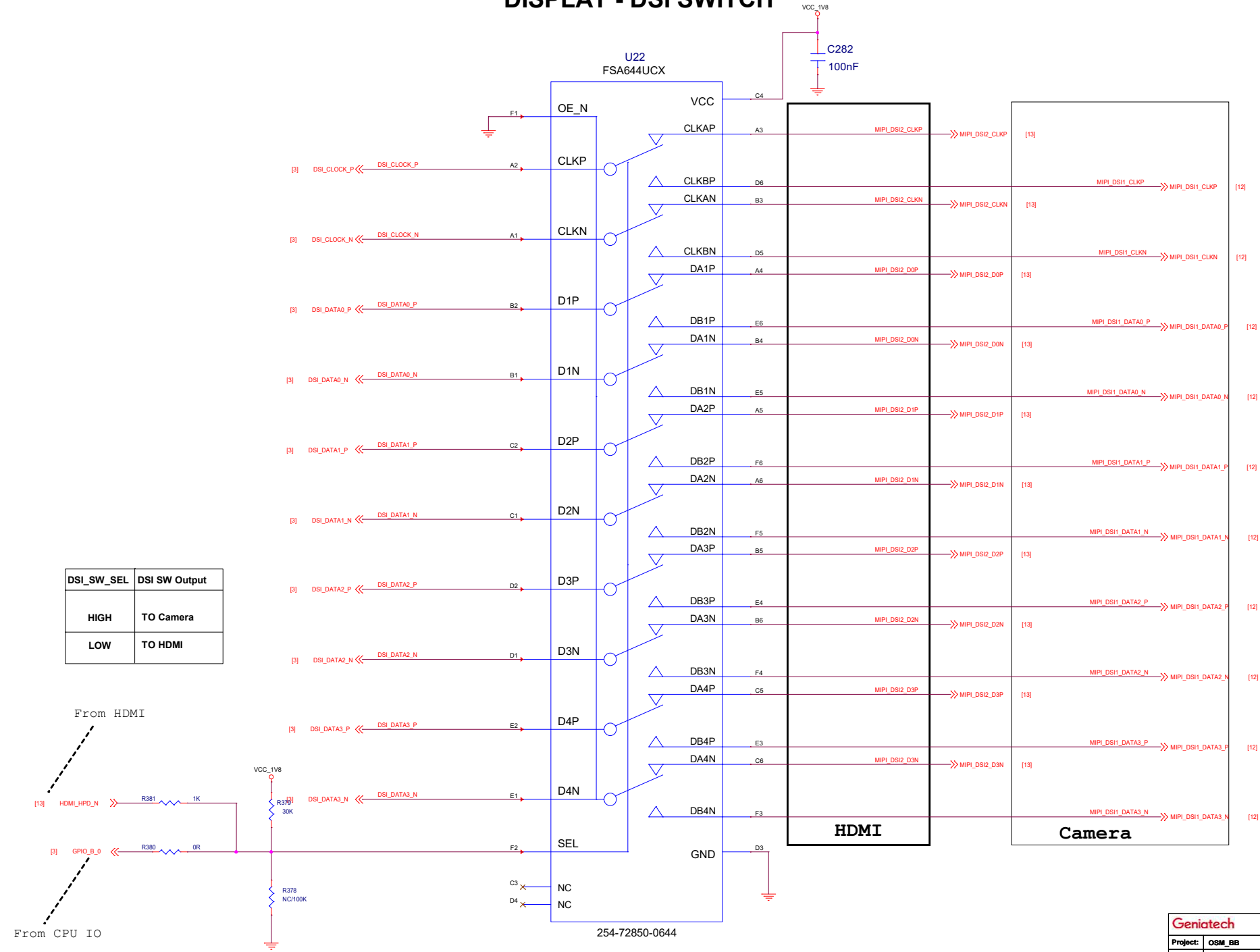
(-20--70°C)



2.8V-->1.8V-->1.2V--->MCLK-->PWDN--->RST



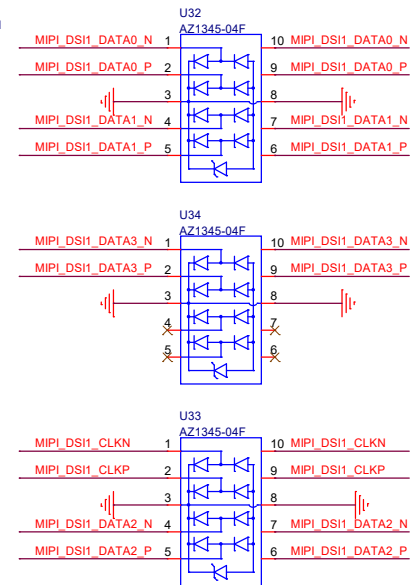
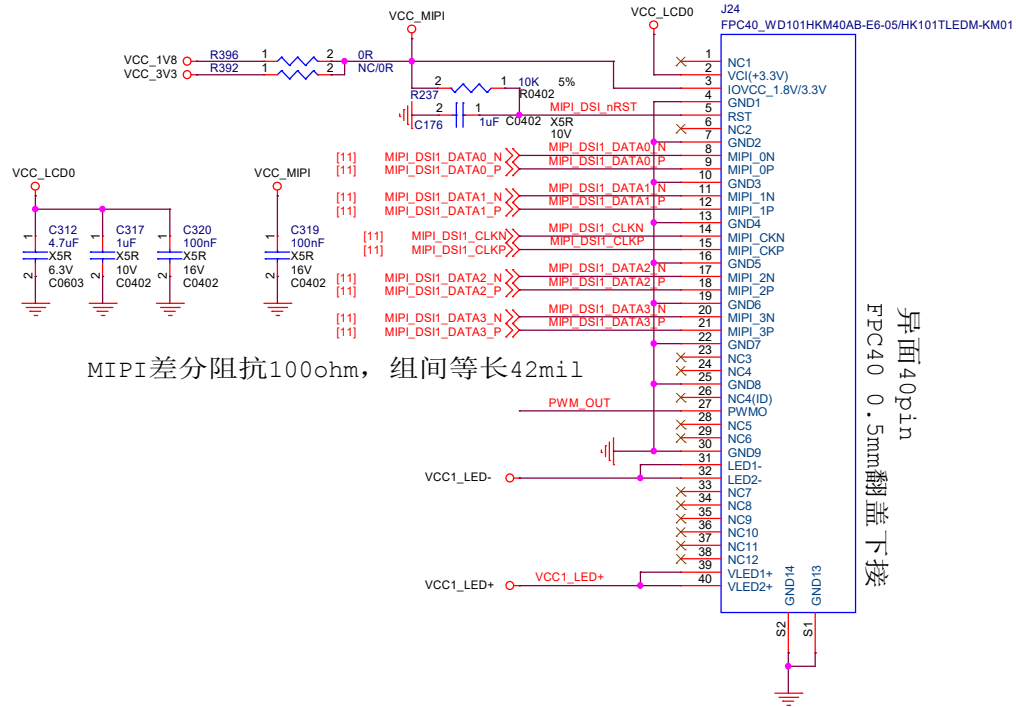
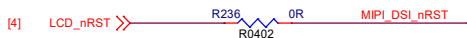
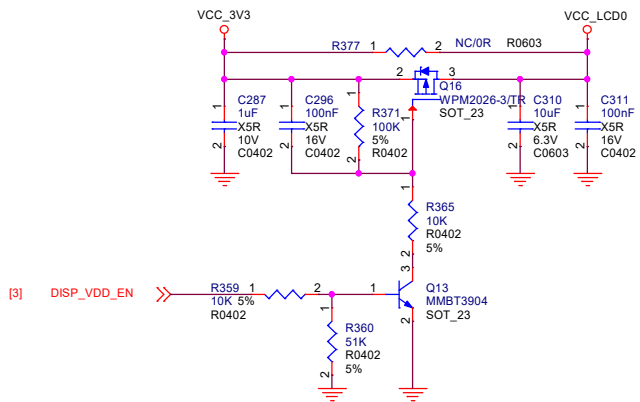
DISPLAY - DSI SWITCH



DSI_SW_SEL	DSI SW Output
HIGH	TO Camera
LOW	TO HDMI

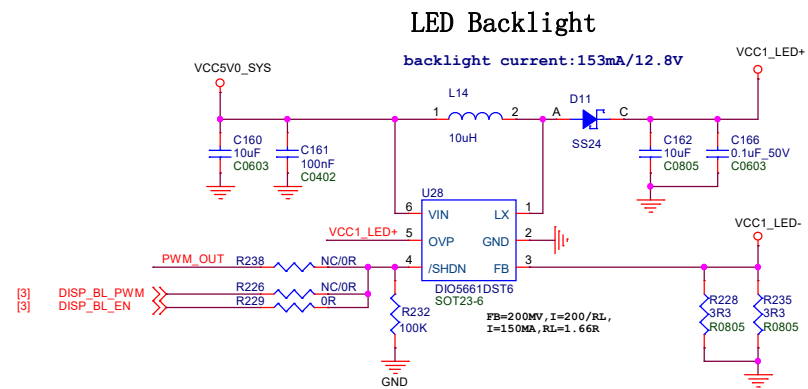
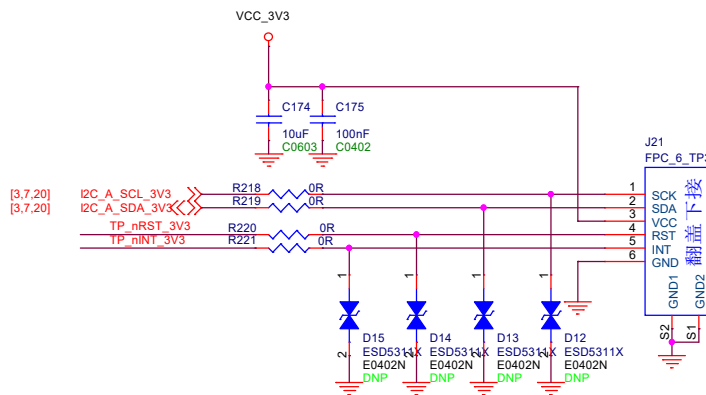
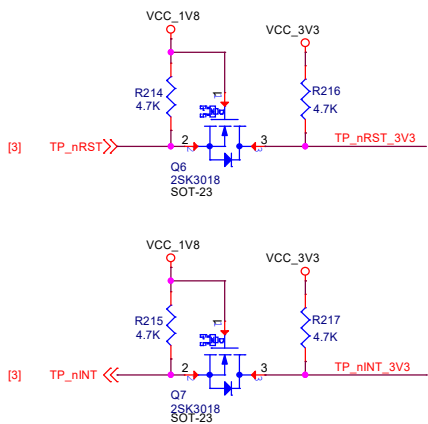
Geniatech			
Project:	OSM_BB		
File:	P11 MIPI SWITCH		
Date:	Sunday, April 07, 2024	Rev:	V1.1
Designed by:	<designer>	Sheet:	11 of 22

MIPI Panel (10.1寸 WD101HKM40AB-E6-05/HK101TLEDM-KM01)



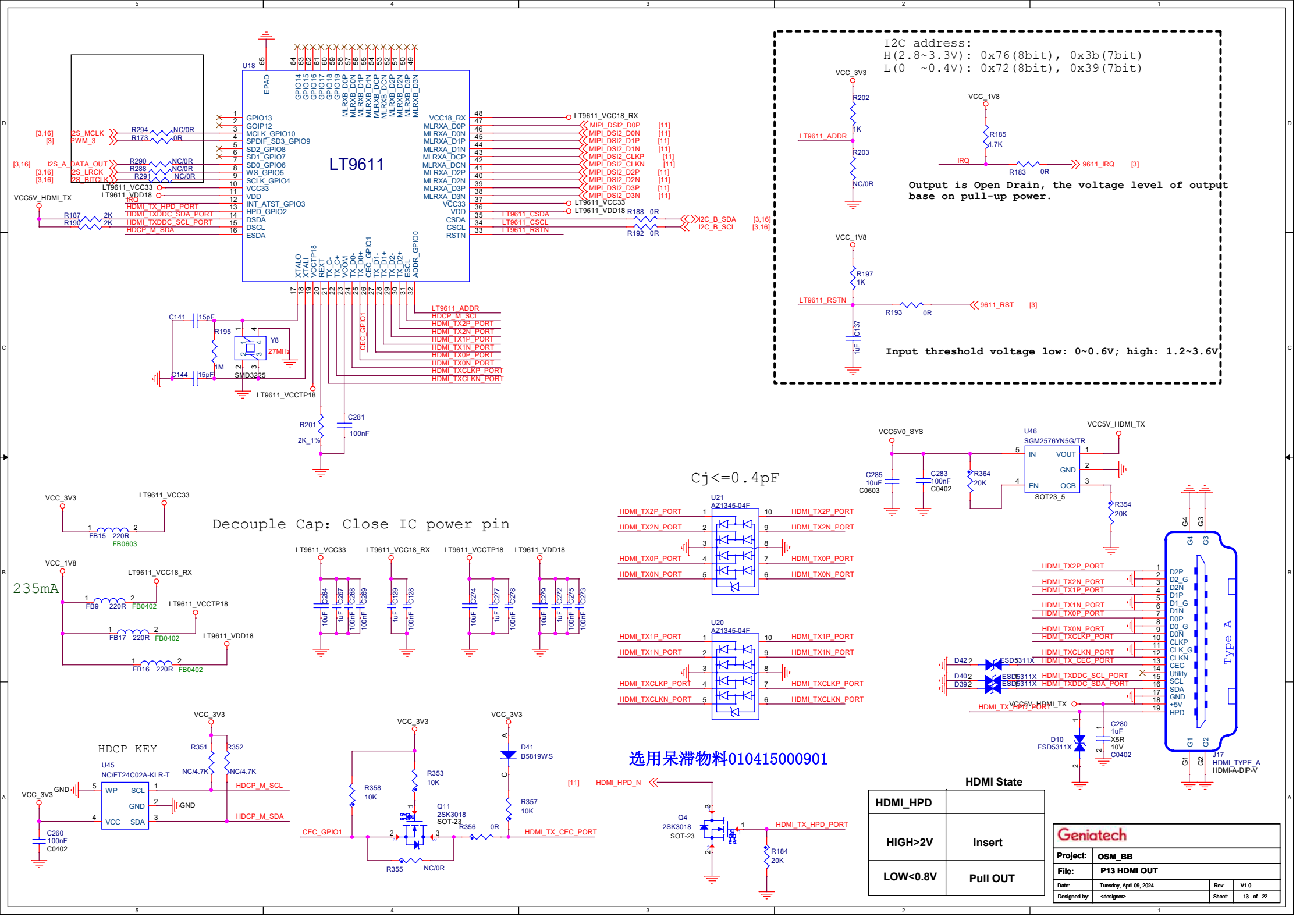
选用呆滯物料010415000901

Touch Panel connector

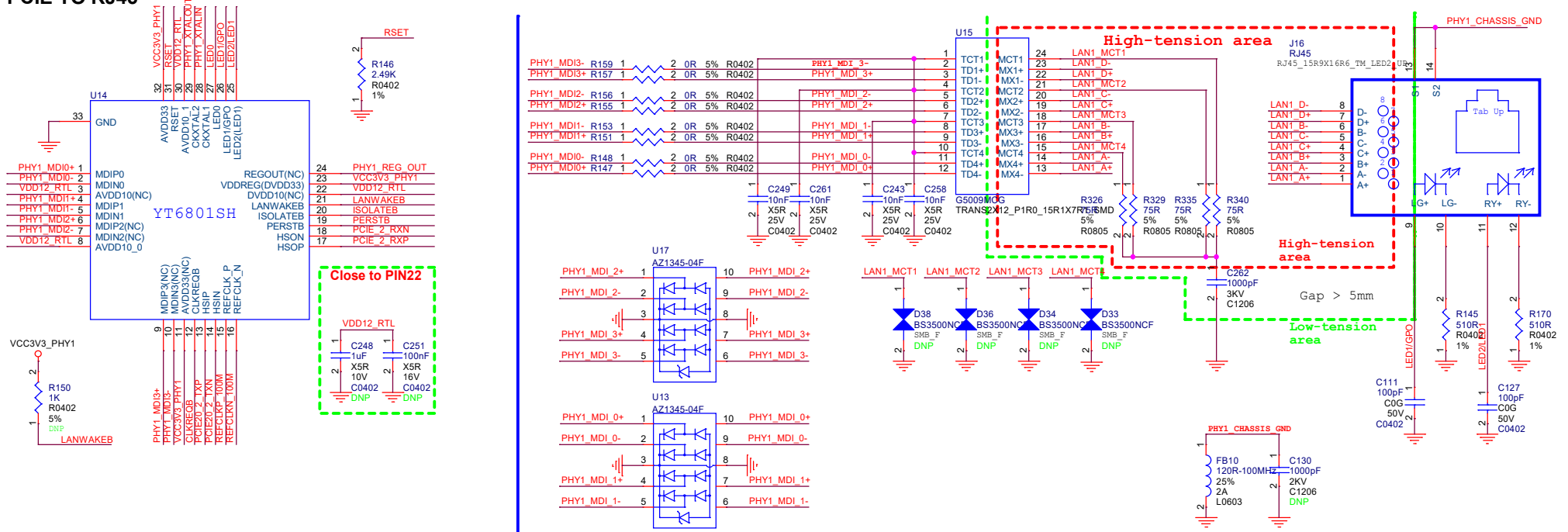


Geniatech

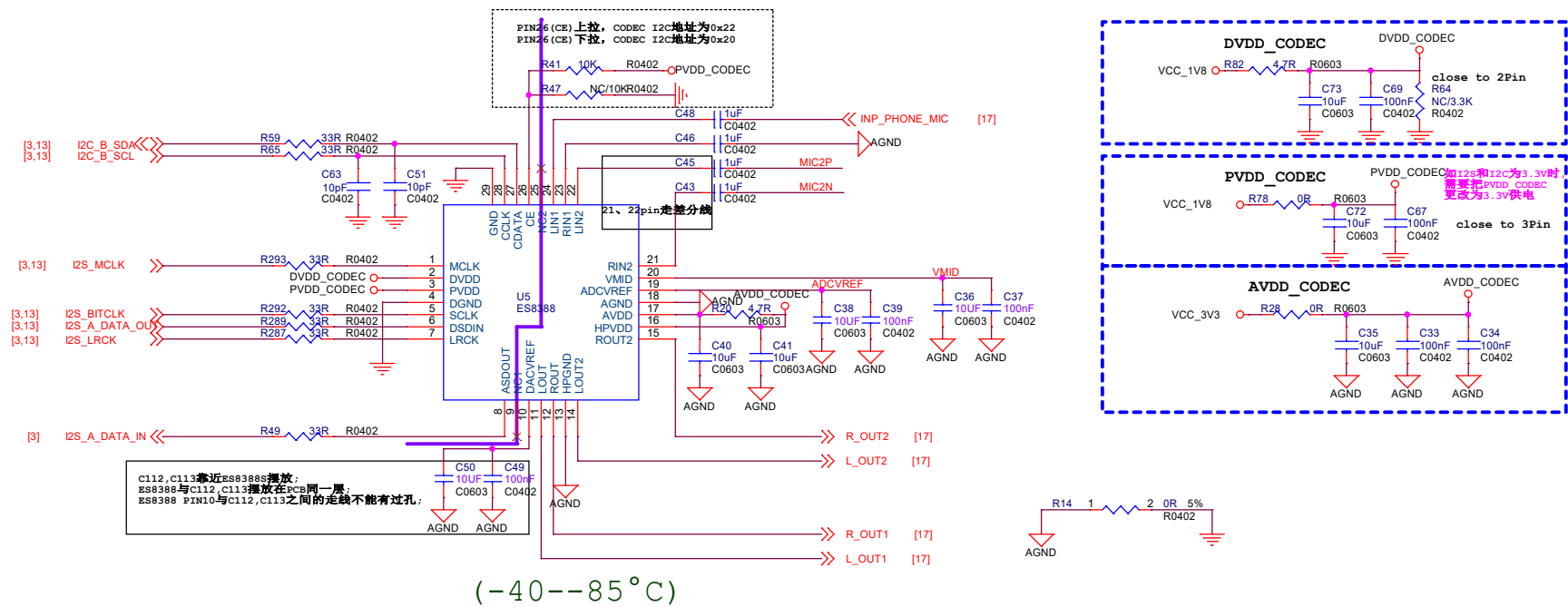
Project:	OSM_BB		
File:	P12 DSI LCD		
Date:	Sunday, April 07, 2024	Rev:	V1.0
Designed by:	<designer>	Sheet:	12 of 22



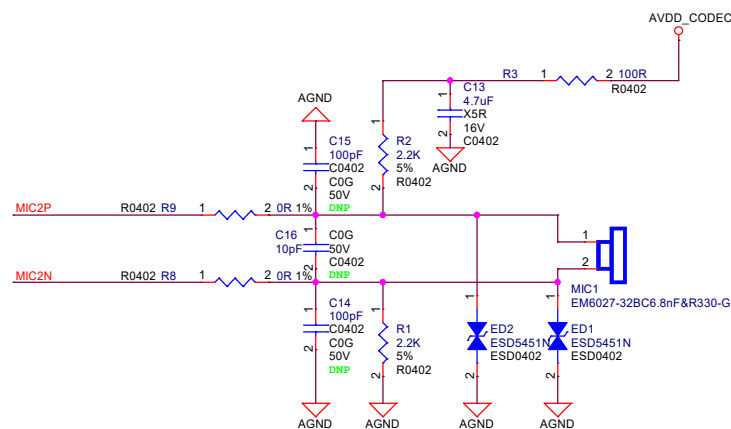
PCIE TO RJ45



CODEC

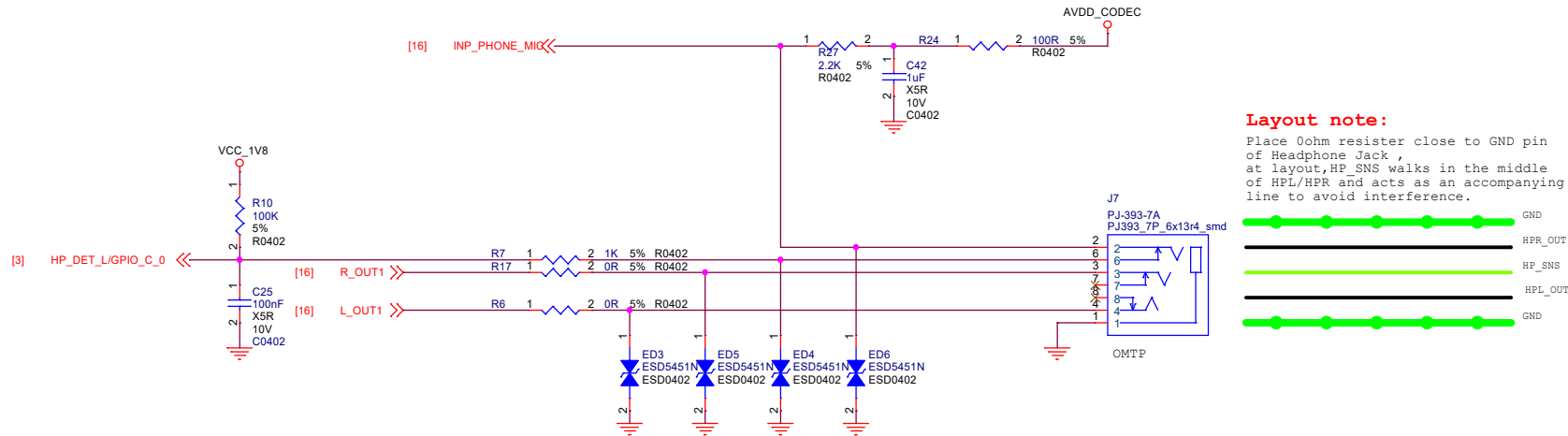


Analog MIC

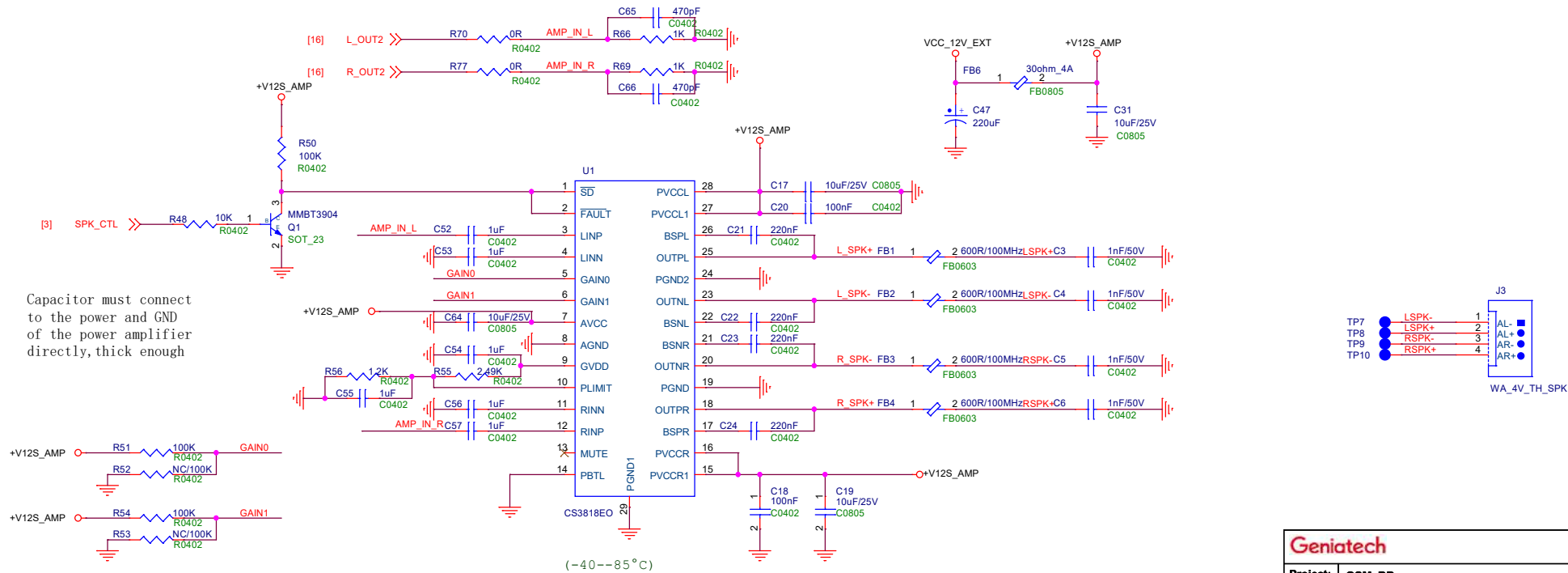


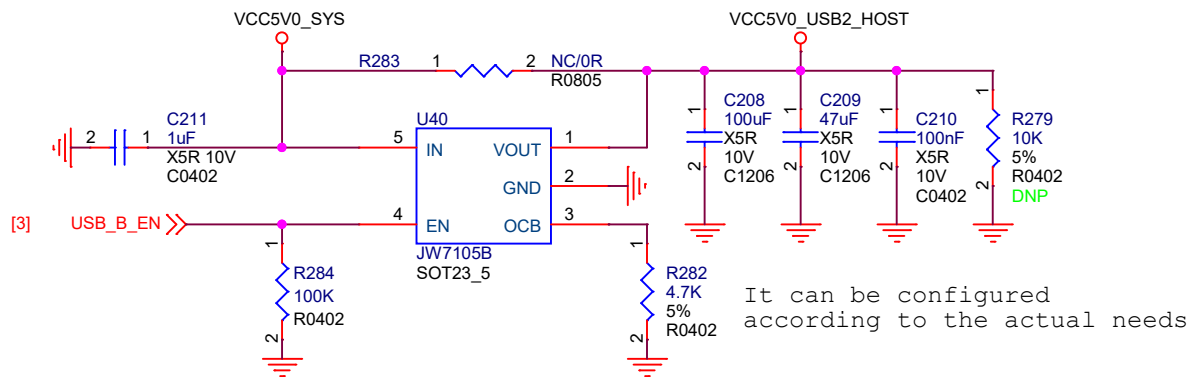
Geniatech			
Project:	OSM_BB		
File:	P16 Audio Code,MIC		
Date:	Sunday, April 07, 2024	Rev:	V1.0
Designed by:	<designer>	Sheet:	16 of 22

Headphone Jack(4-pole with DET & MIC)

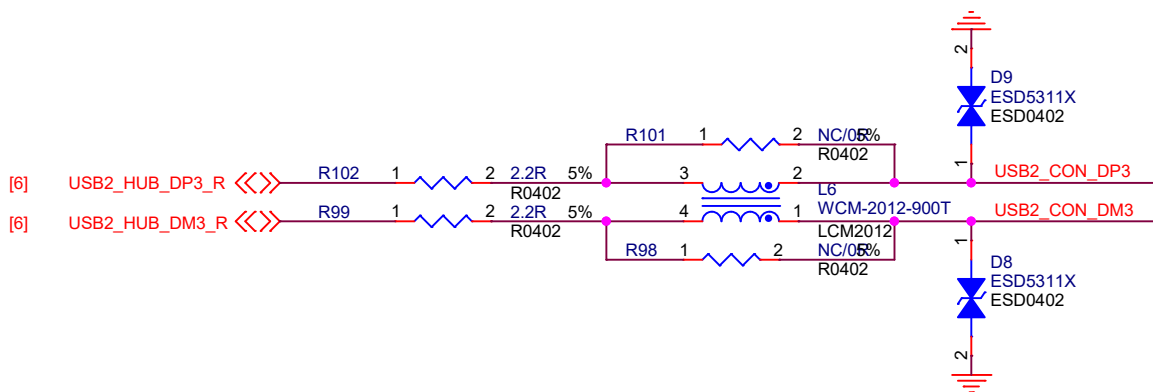
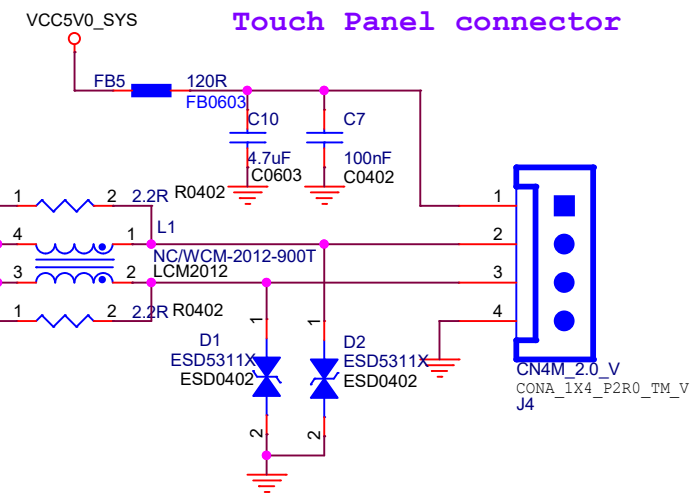
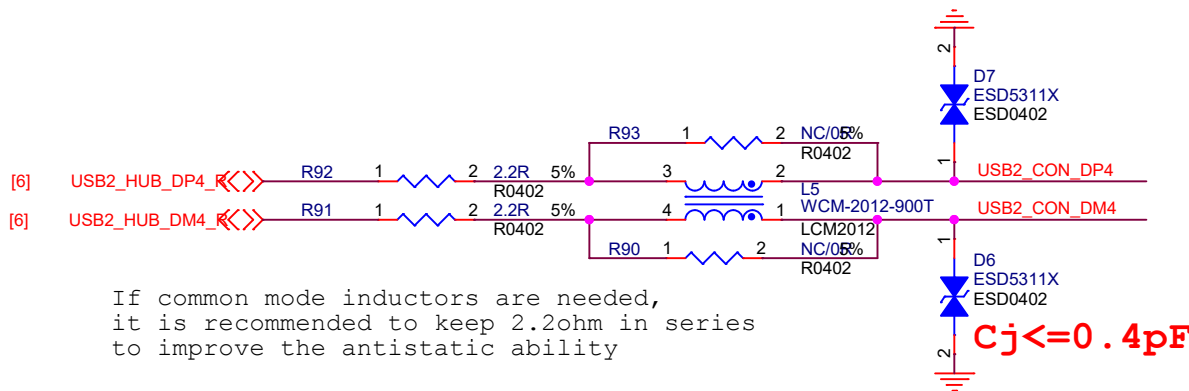
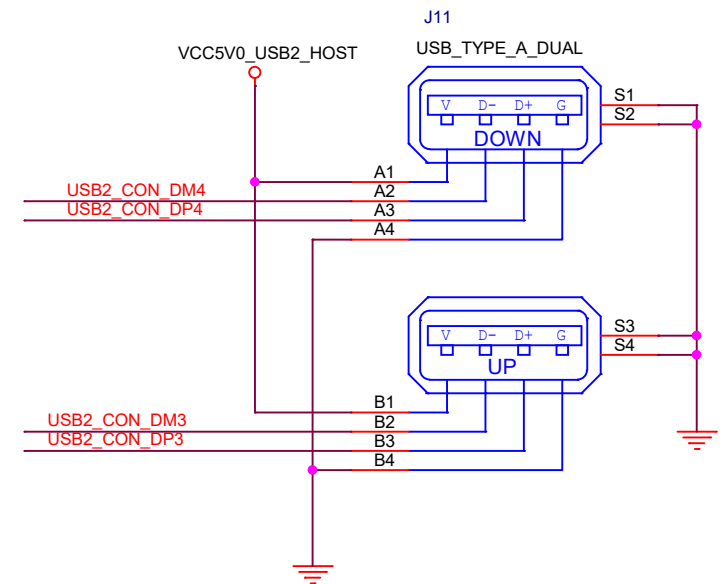


AMP

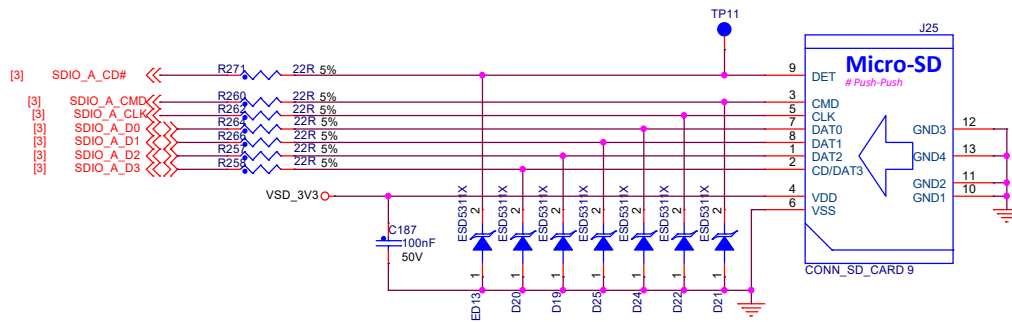




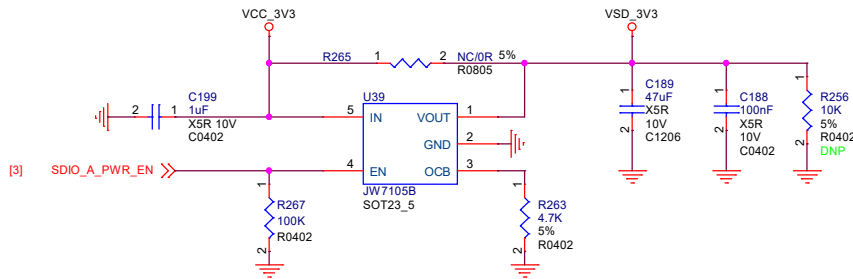
USB2.0 HOST*2



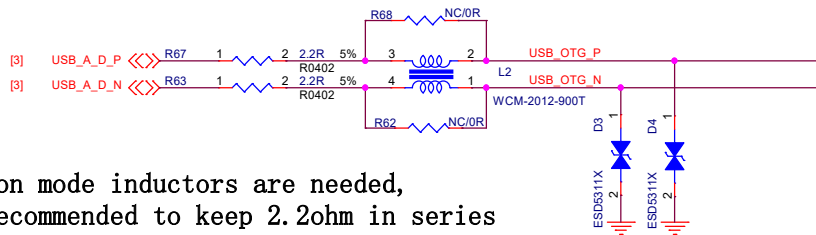
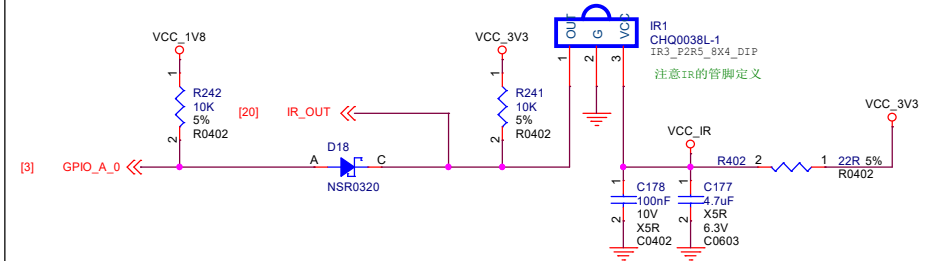
Geniatech			
Project:	OSM_BB		
File:	P18 USB20 TYPE A		
Date:	Tuesday, April 09, 2024	Rev:	V1.0
Designed by:	<designer>	Sheet:	18 of 22



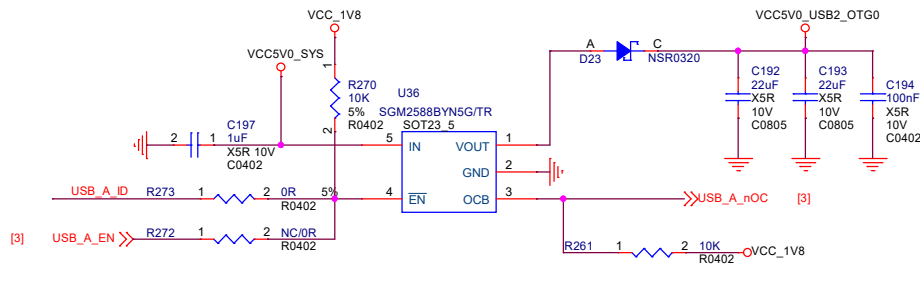
STI9712已经停产，还有库存



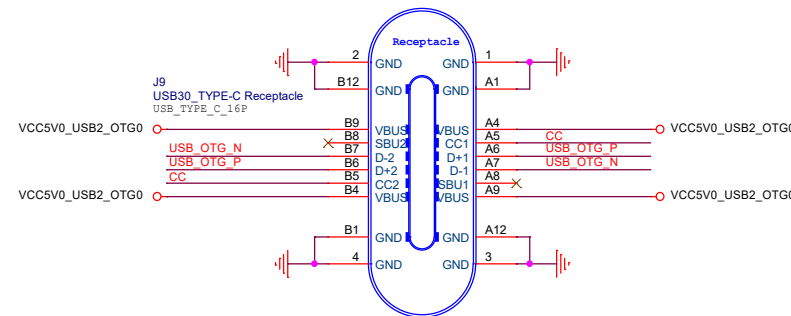
IR Receiver



If common mode inductors are needed,
it is recommended to keep 2.2ohm in series
to improve the antistatic ability



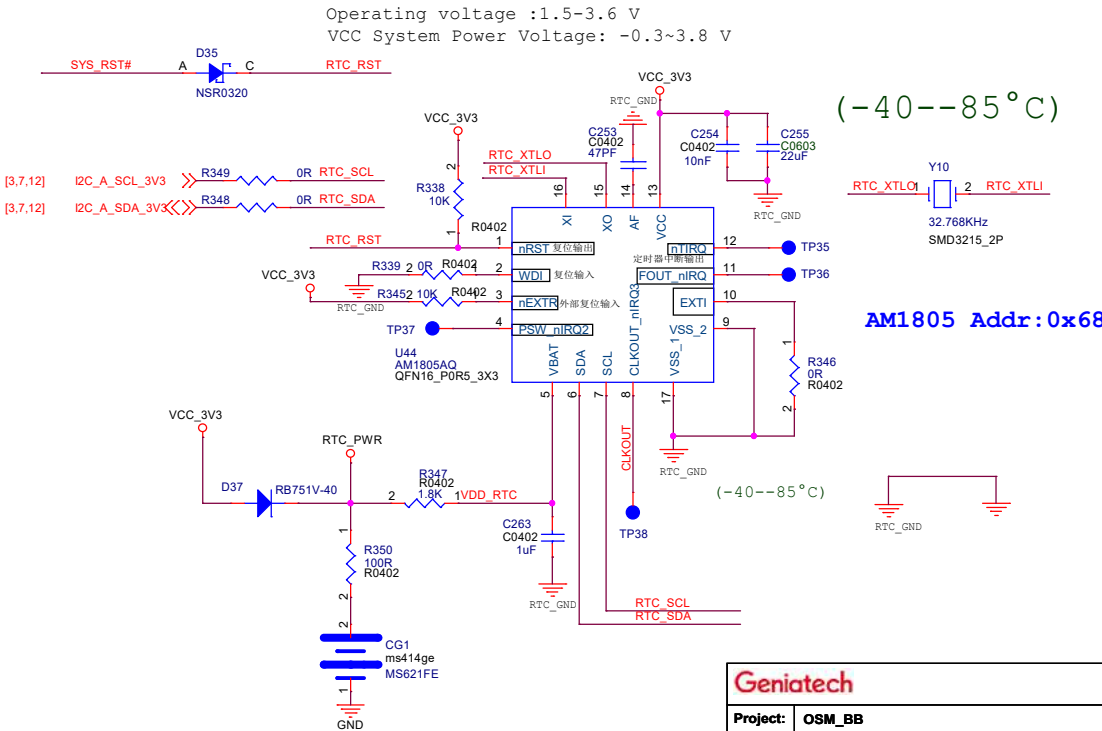
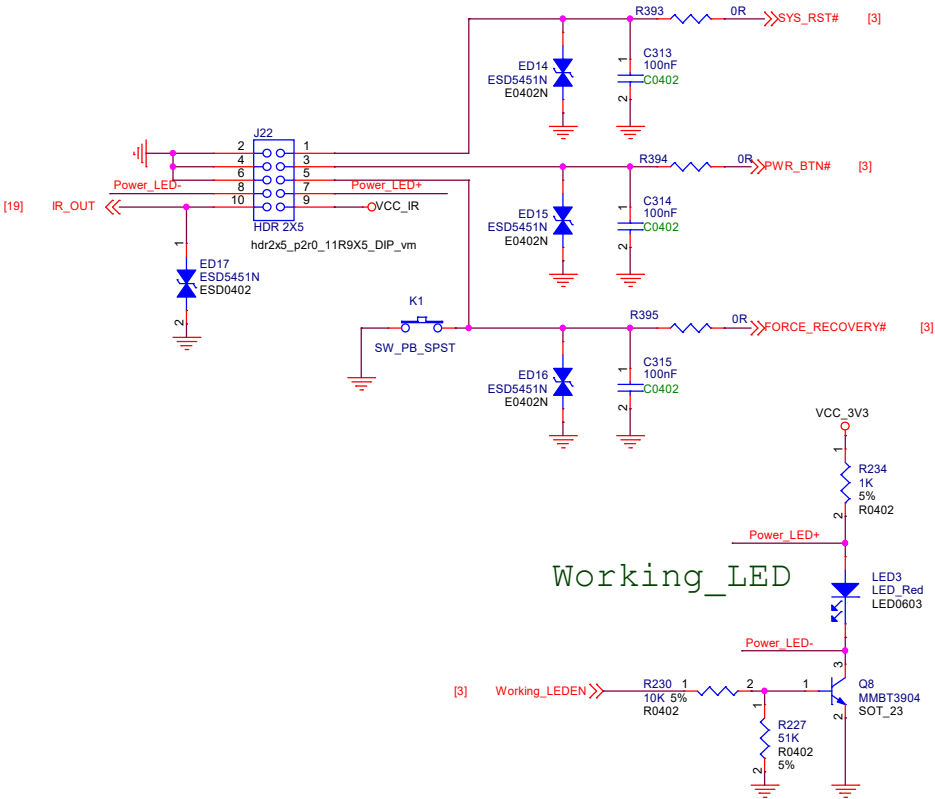
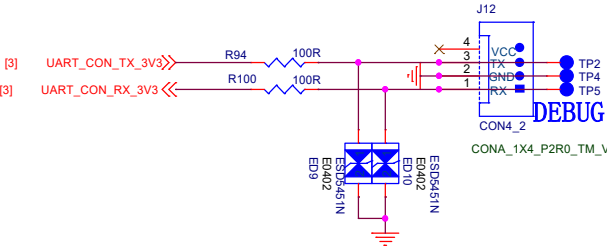
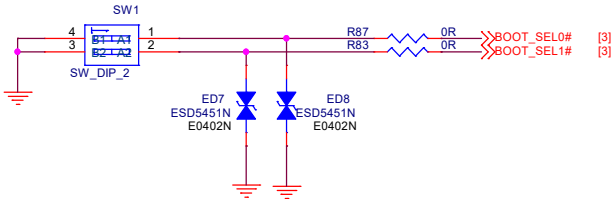
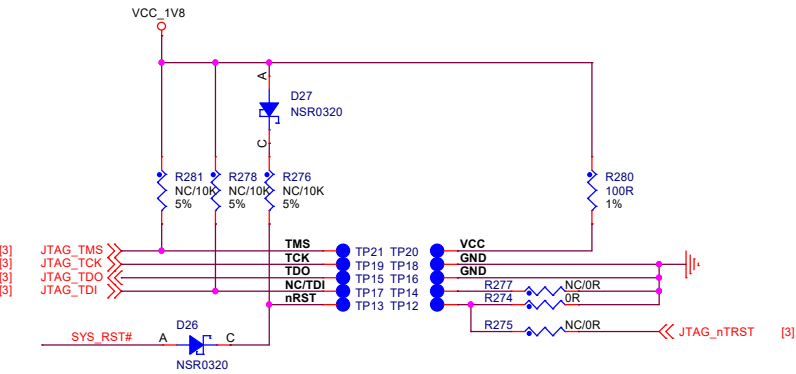
USB Type-C Port



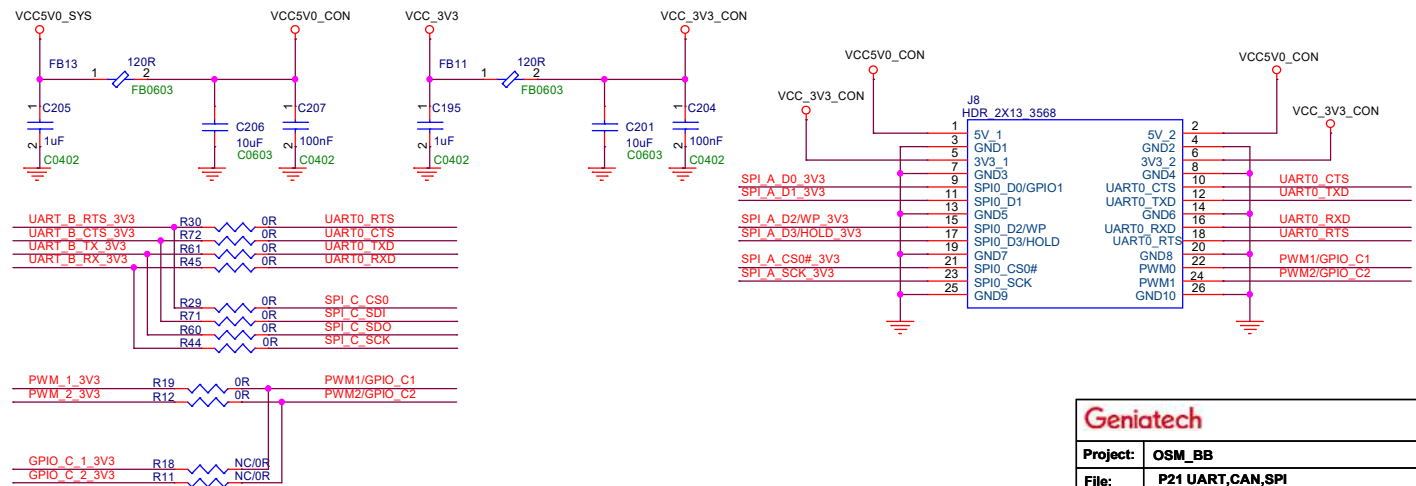
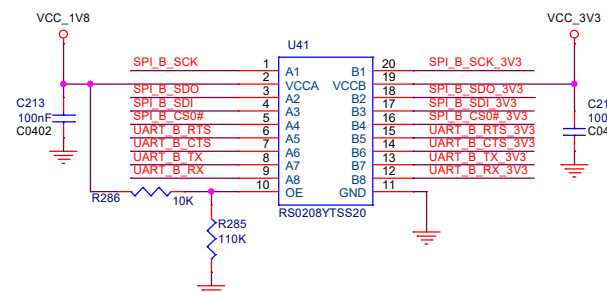
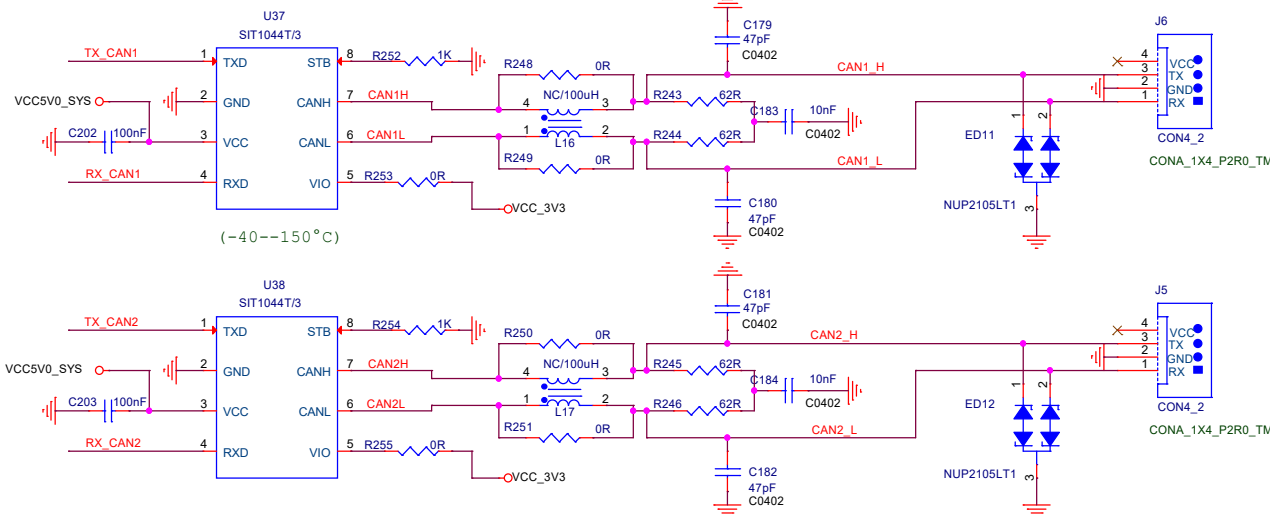
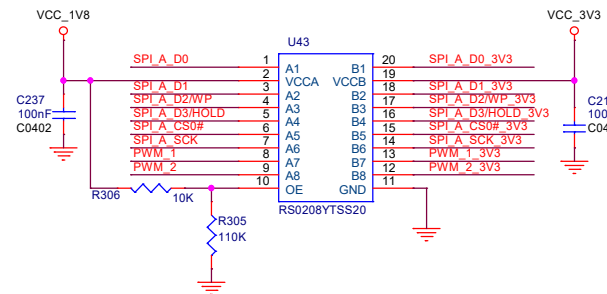
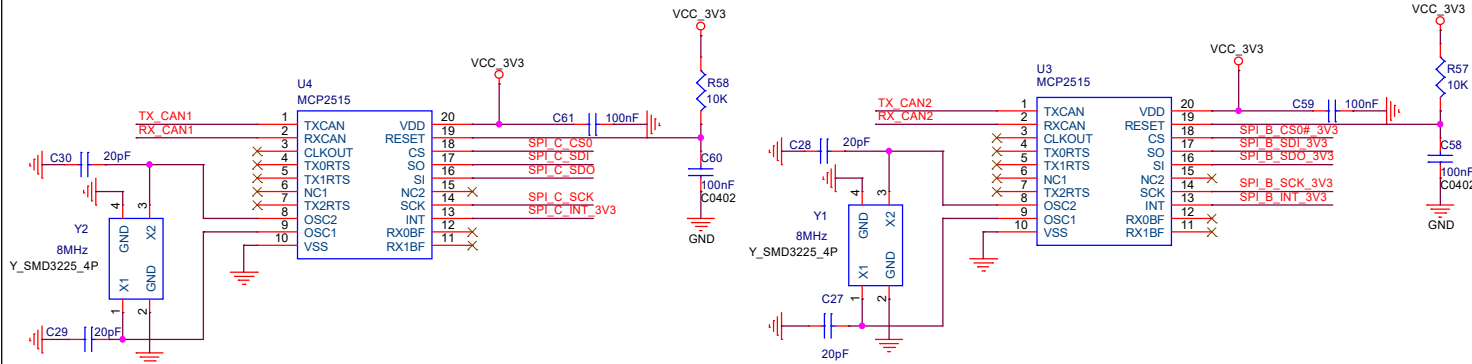
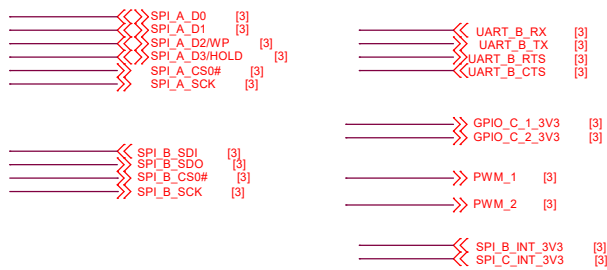
Geniatech

Project:	OSM_BB
File:	P19 MicroSD Card,TypeC,IR
Date:	Tuesday, April 09, 2024
Designed by:	<designer>
Rev:	V1.0
Sheet:	19 of 22

JTAG Debug



Geniatech			
Project:	OSM_BB		
File:	P20 Debug,KEY,RTC		
Date:	Tuesday, April 09, 2024	Rev:	V1.0
Designed by:	<designer>	Sheet:	20 of 22



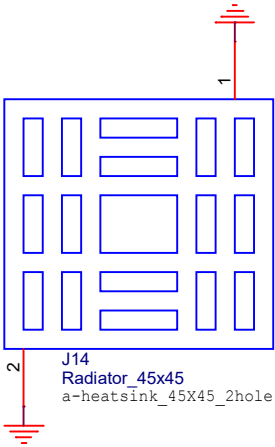
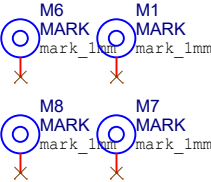
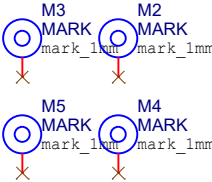
Geniatech			
Project:	OSM_BB		
File:	P21 UART,CAN,SPI		
Date:	Tuesday, April 09, 2024	Rev:	V1.0
Designed by:	<designer>	Sheet:	21 of 22

Mark

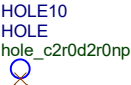
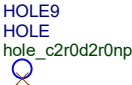
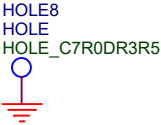
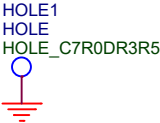
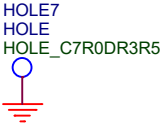
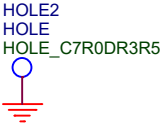
HEATSINK

TOP Mark

BOTTOM Mark



FAN : 8CMX8CM



Geniatech

Project: OSM_BB			
File: P22 Mark/Hole/Heatsin			
Date:	Tuesday, April 09, 2024	Rev:	V1.0
Designed by:	<designer>	Sheet:	22 of 22