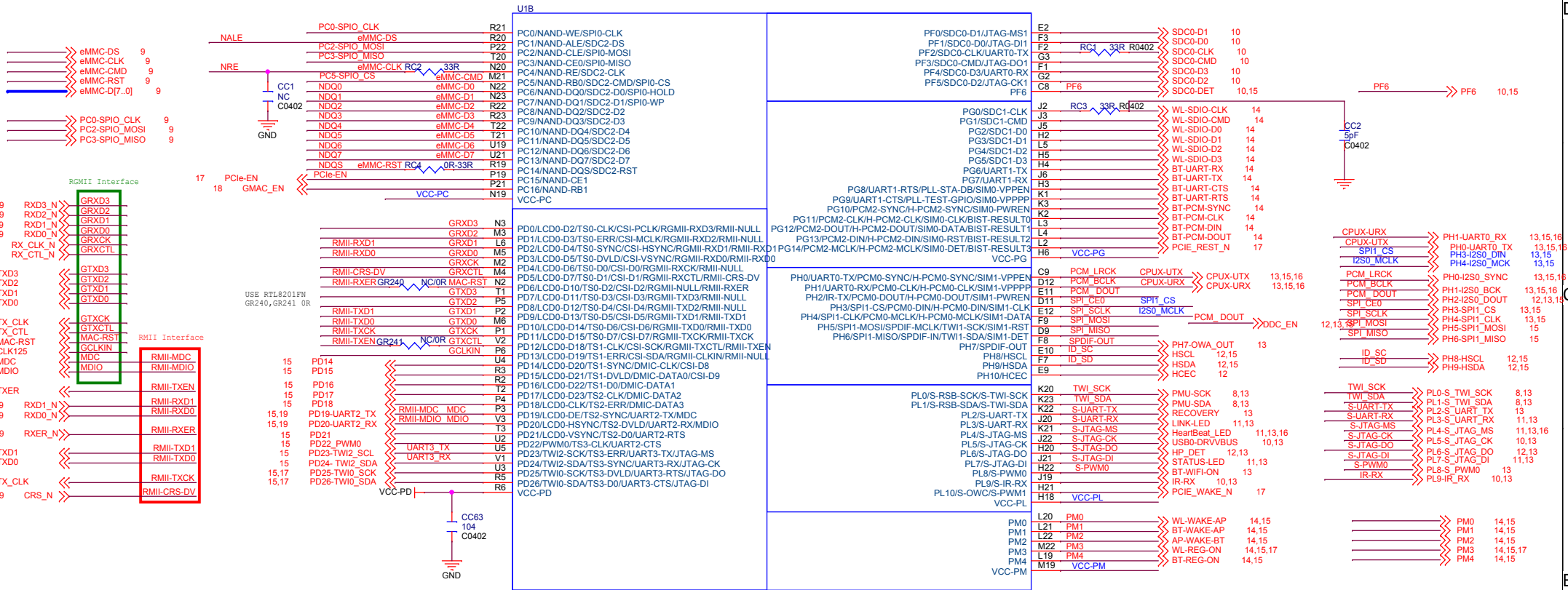
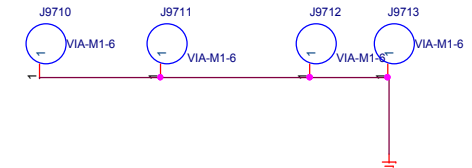
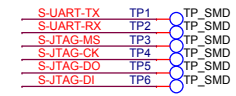
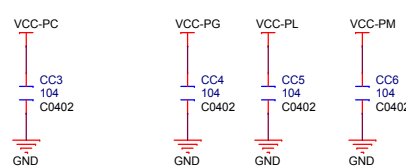


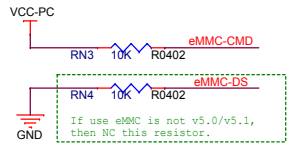
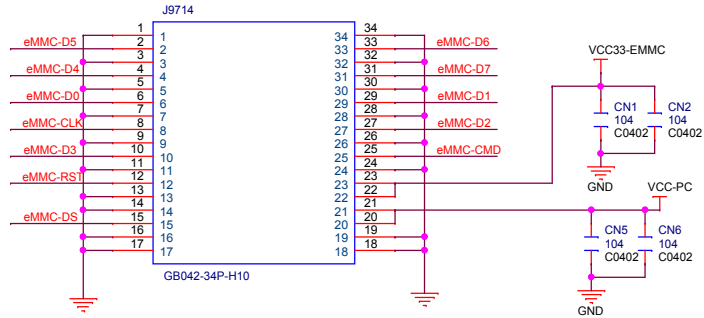
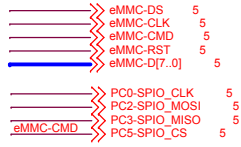
PC,PD, 部分IO口不具备中断功能
PF,PG,PH,PL,PM, 部分IO口有中断功能



H6-BGA-1219

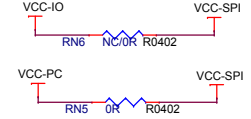


eMMC module/SIP Flash

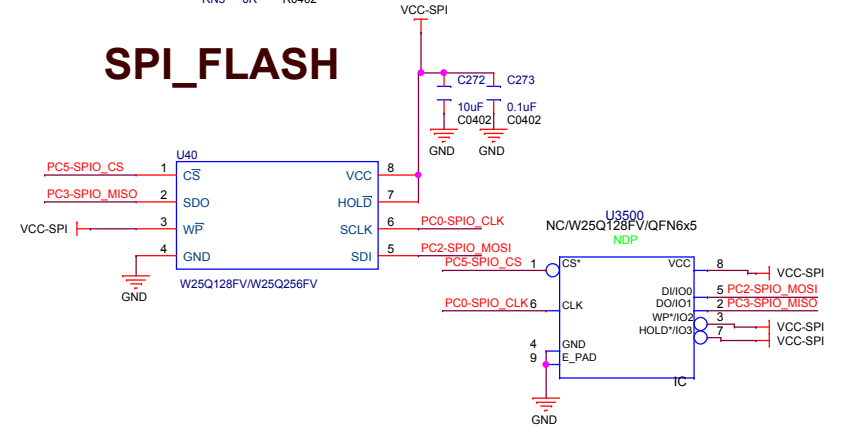


Placed close to SOC

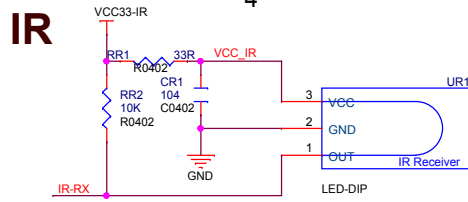
NOTE: Use spi IC voltage of 1V8 ADD RN5 00RM, NC RN6.
Use spi IC voltage of 3V3 ADD RN6 00RM, NC RN5.



SPI_FLASH

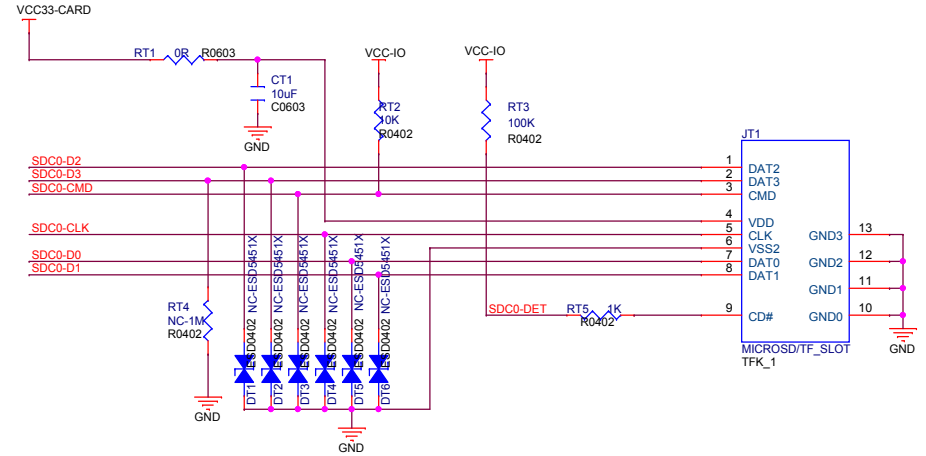


- 5 SDC0-D1
- 5 SDC0-D0
- 5 SDC0-CLK
- 5 SDC0-CMD
- 5 SDC0-D3
- 5 SDC0-D2
- 5,15 SDC0-DET
- 5,13 IR-RX



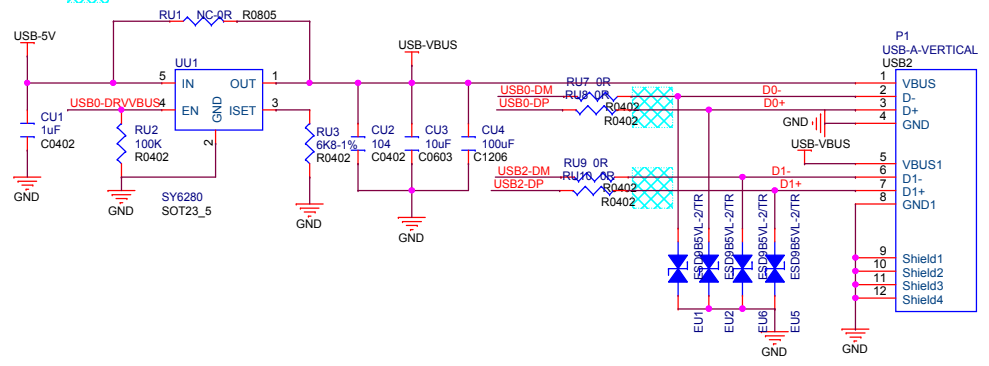
- 6 USB0-DM
- 6 USB0-DP
- 6 USB1-DM
- 6 USB1-DP
- 6 USB1-SSTXN
- 6 USB1-SSTXP
- 6 USB1-SSRXN
- 6 USB1-SSRXP
- 5,13 USB0-DRVVBUS
- 6,17 USB2-DM
- 6,17 USB2-DP

CARD

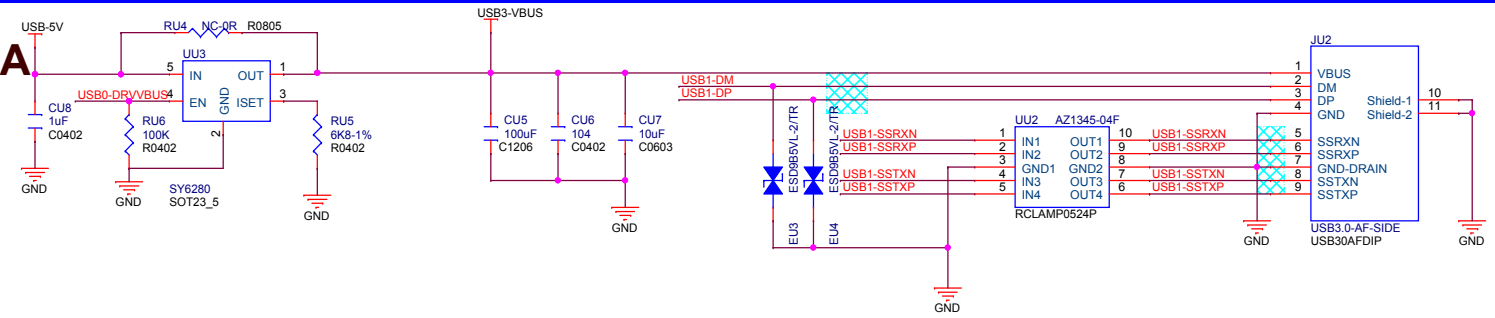


USB OTG/USB HOST

Differential pairs
Z0= 90 ohm

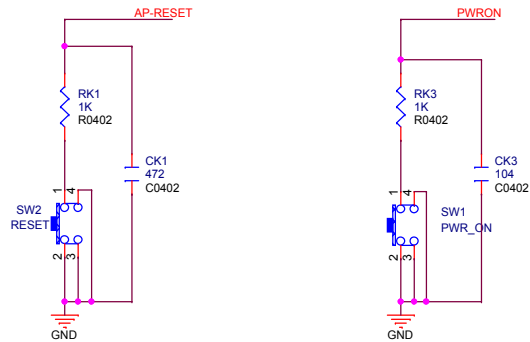


USB3.0 TYPE A

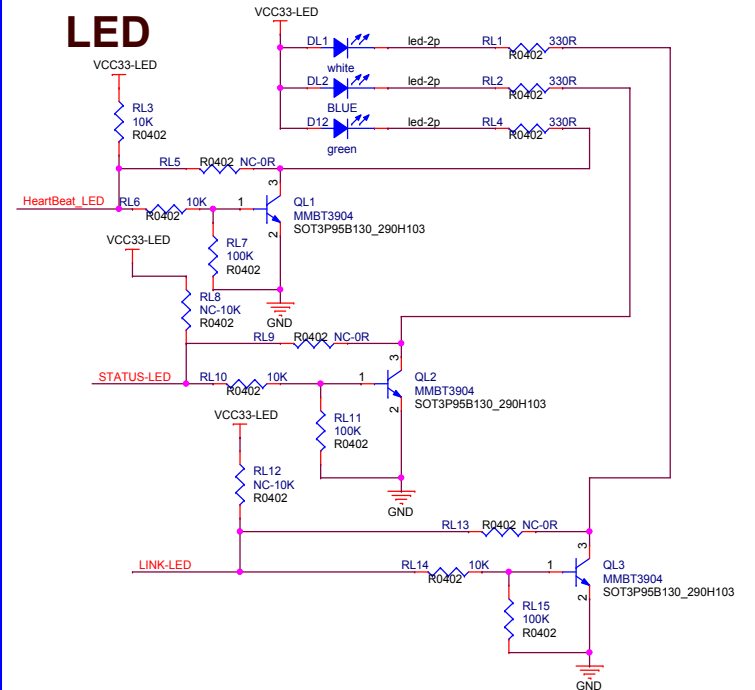




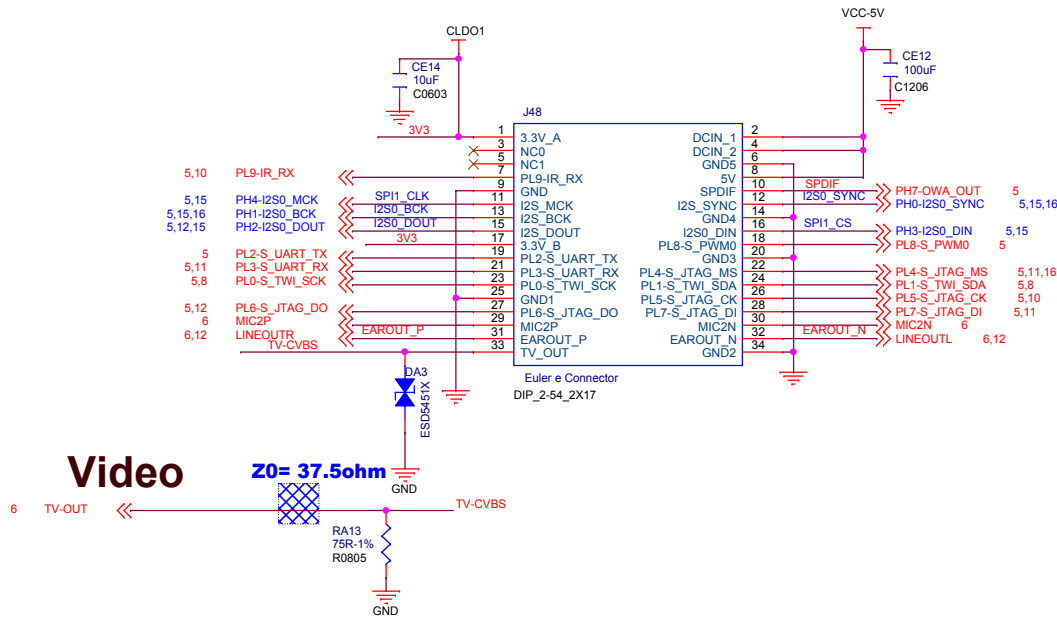
KEY



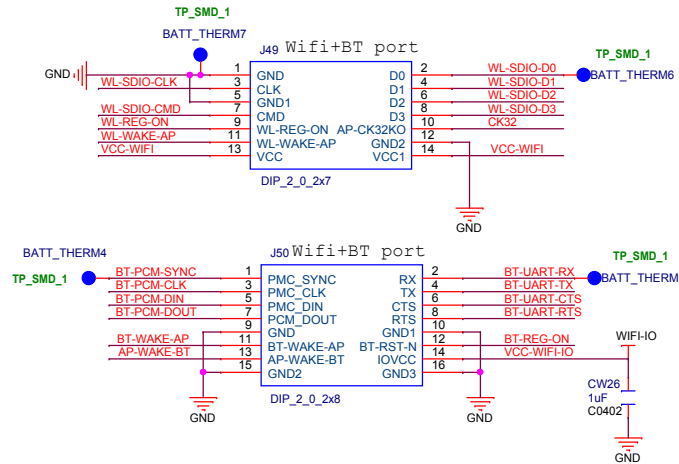
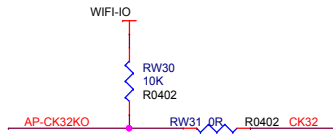
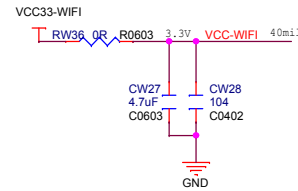
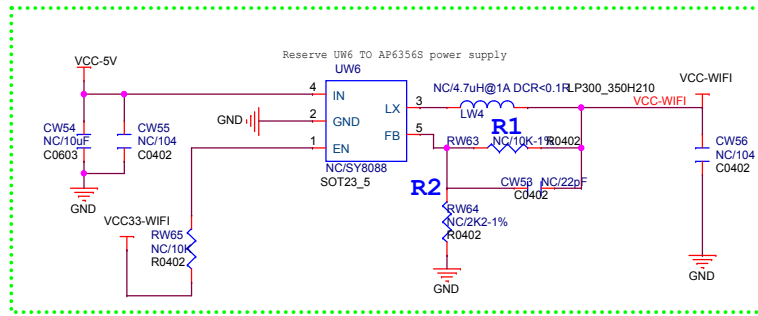
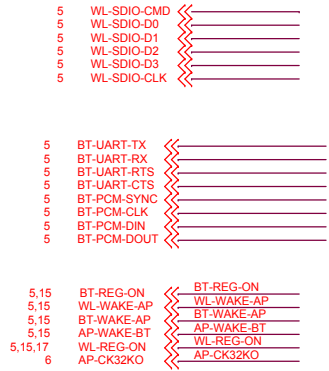
LED



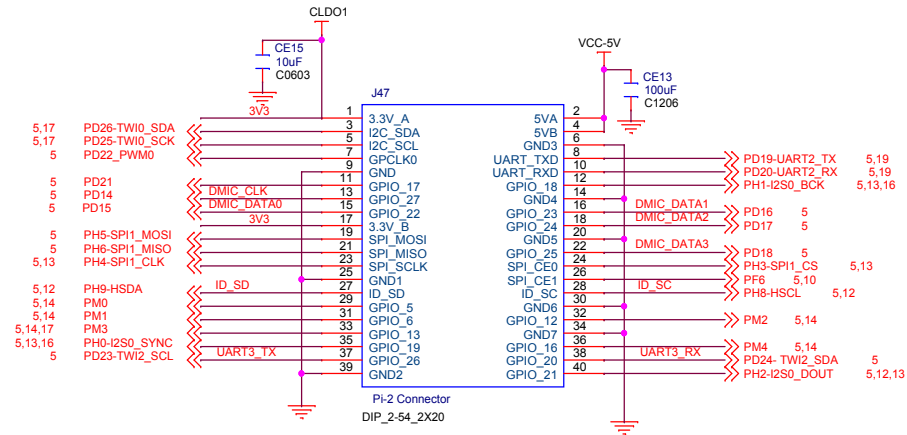
Euler e Connector



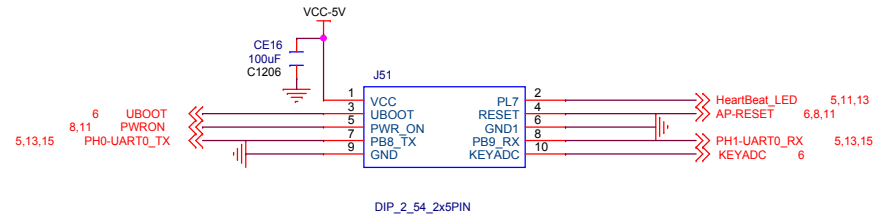
WIFI Connector



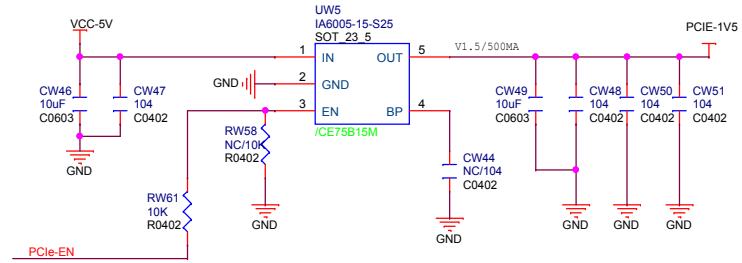
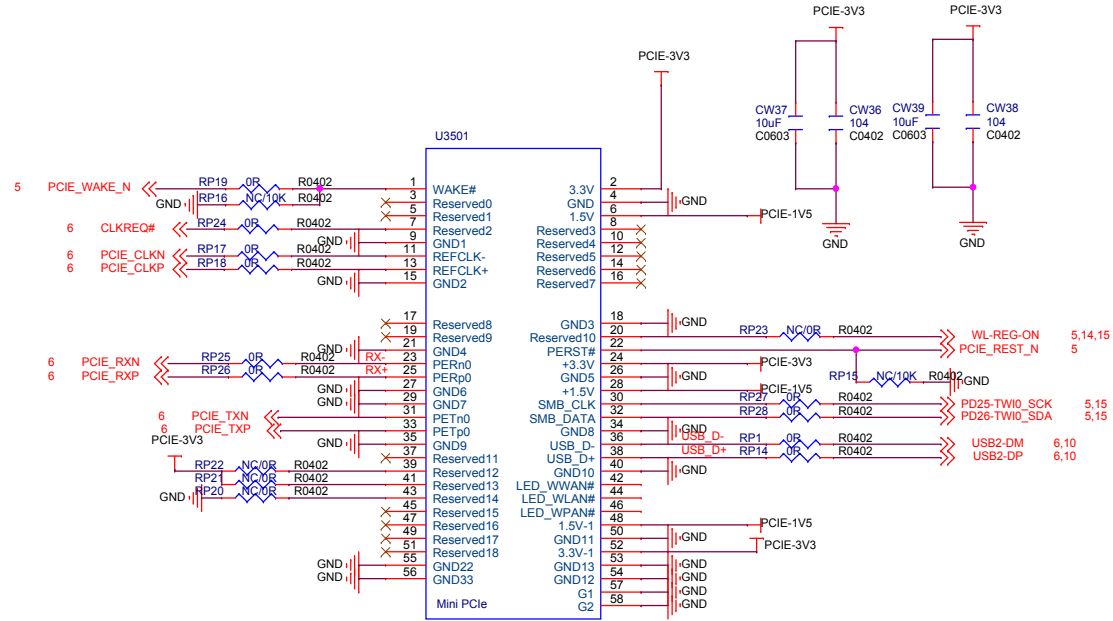
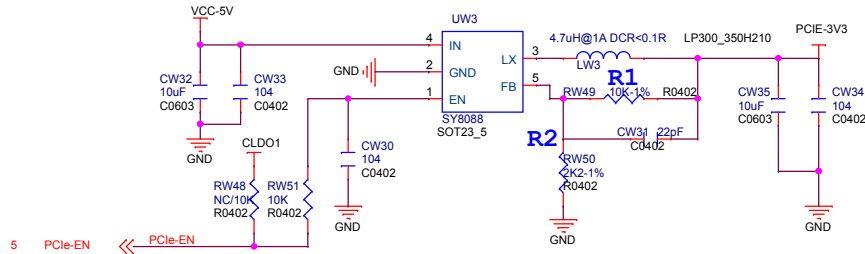
Pi-2 Connector



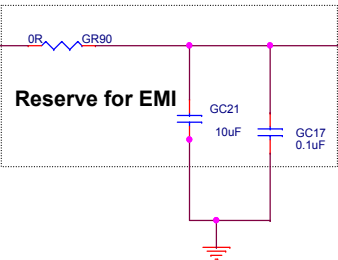
EXT+ Connector



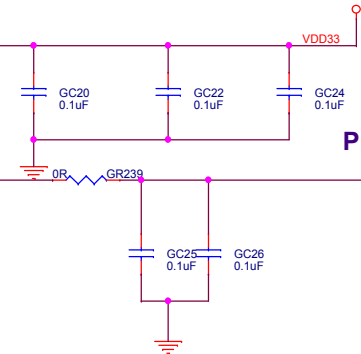
Mini PCIe



GMAC-3V3

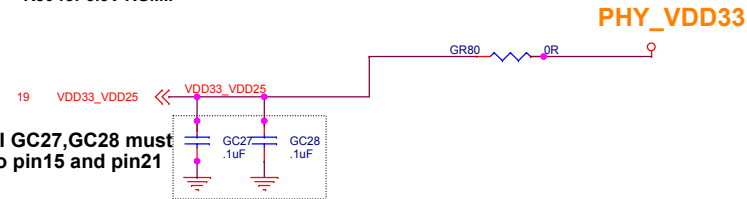


PHY_VDD33



PHY_AVDD33

R80 for 3.3V RGMII



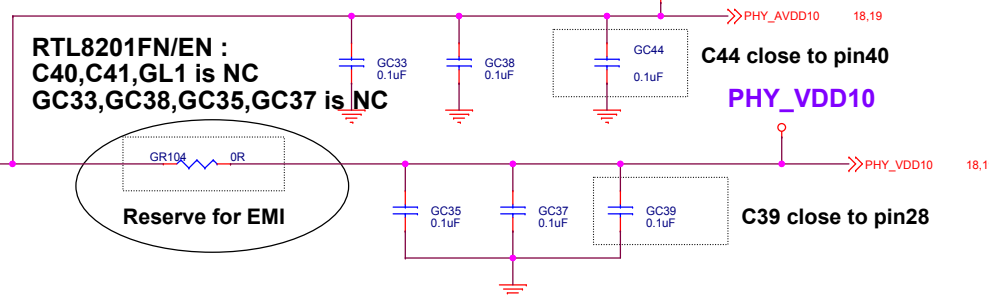
RTL8211CN/D/E	GL1	C56	U10	GR65	GR66	GR122	GC41/GC57
Enable switching regulator	○	○	✗	○	✗	✗	○
Disable switching regulator	✗	✗	○	✗	○	○	✗

Note 1: The Trace length between GL1 and Pin 48 must be within 0.5 cm. GC40 and GC41 to G L1 must be within 0.5cm.

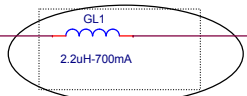
RTL8211D/8211CN: GC40 22uF(X5R)
RTL8211E: GC40 4.7uF(X5R)

RTL8201FN/EN :
C40,C41, GL1 is NC
GC33, GC38, GC35, GC37 is NC

PHY_AVDD10



18,19 REGOUT

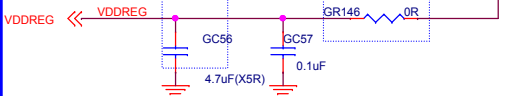


RTL8211D/8211CN: L1=4.7uH
RTL8211E: L1=2.2uH

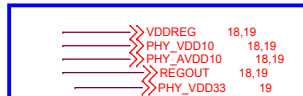
VDDREG

Note 2: The Trace length from C56, C57 to Pin 44,45 must be within 1 cm. The trace width from PHY_AVDD33 to Pin 44,45 should >40mils

PHY_AVDD33



Isolation VDDREG and AVDD33
RTL8201FN/EN: GC56(NC), GC57(NC), GR146(NC)
RTL8211CN/8211D: GC56 22uF(X5R)
RTL8211E: GC56 4.7uF(X5R)



External Power Source

U10, GC69, GC68, GR122, GR120 and GR121 are only used by 8211CN/8211D/8211E application when switching regulator is disabled. For other applications, please remove them.

RESERVE

