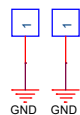
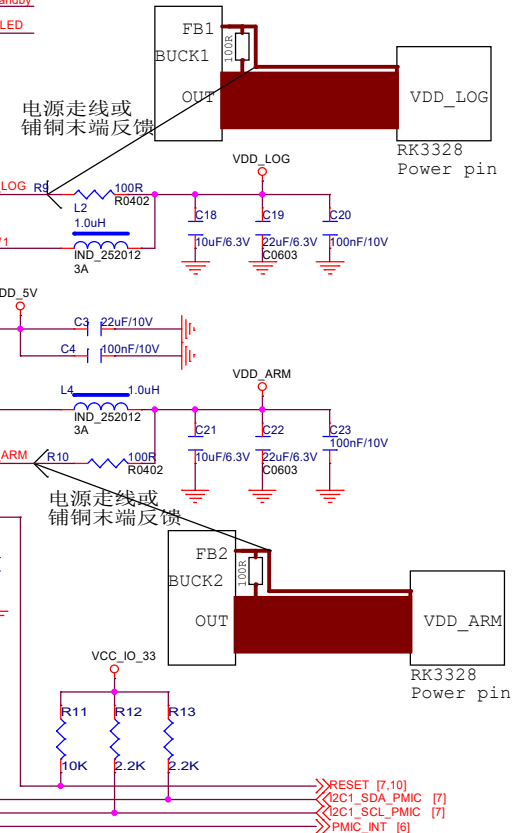
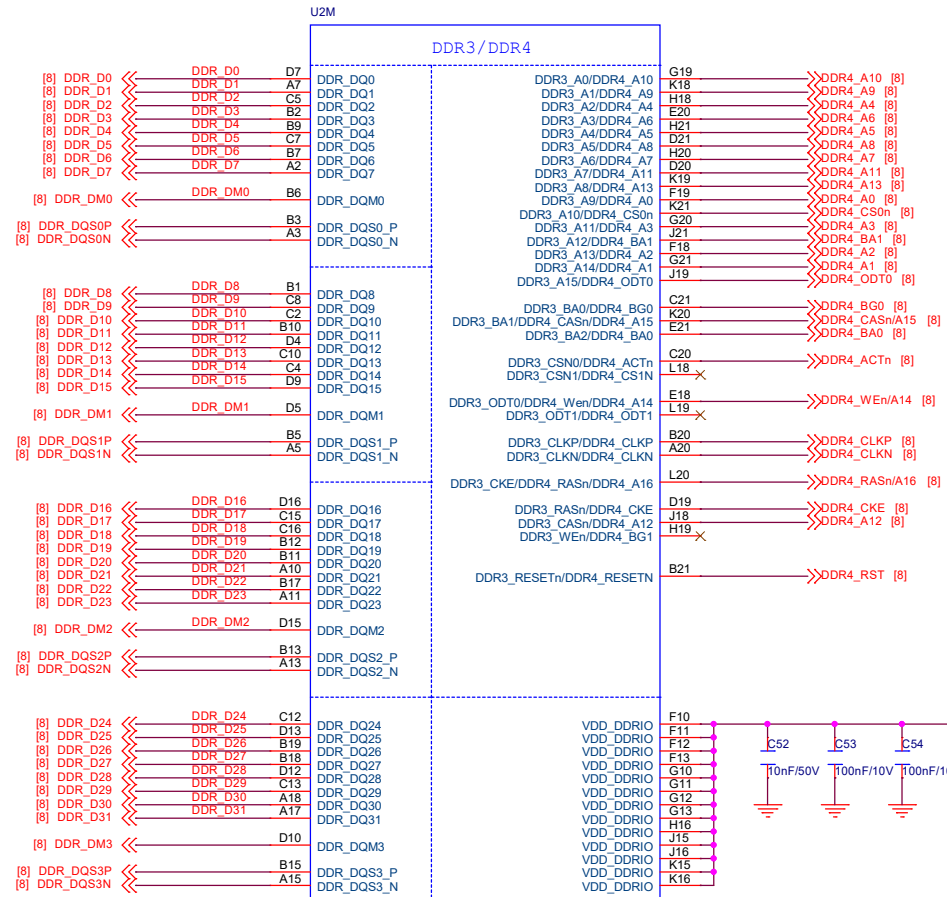
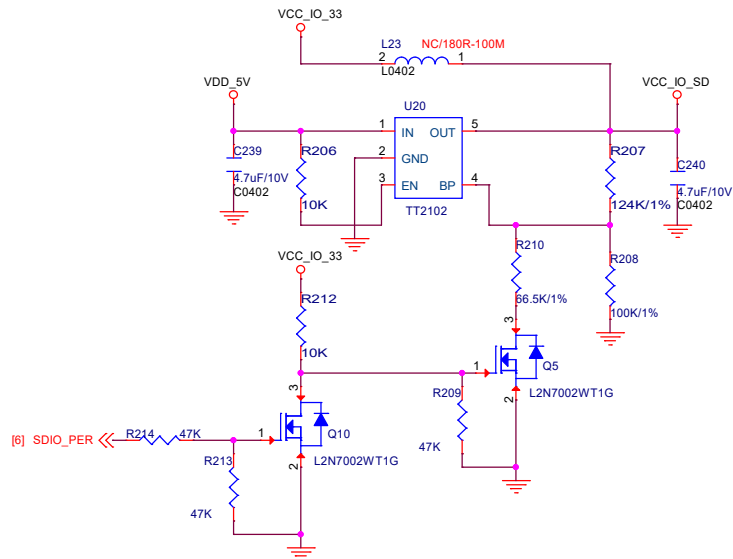
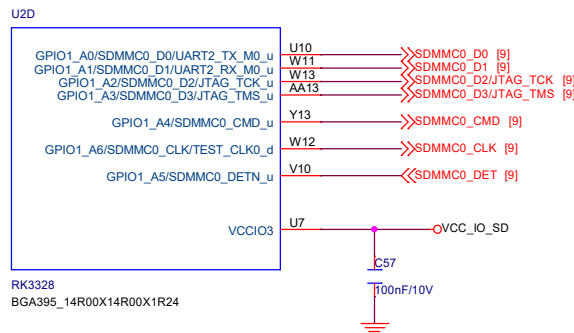
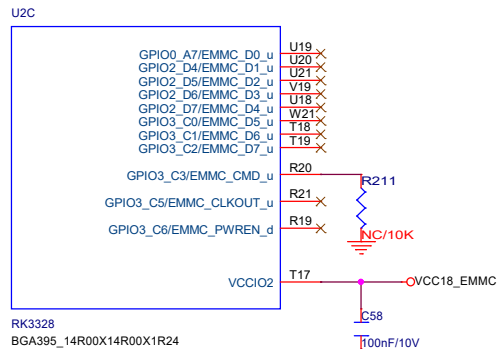


- 1: 如WIFI/BT需要32.768KHz时钟，默认由CPU提供32.769KHz时钟，默认不贴。
- 2: 如果修改了PLL分频，造成无法分出32.769KHz时钟，那么这部分电路需要贴上。
- 3: WIFI/BT不用32.768KHz时钟，这部分可以不贴。

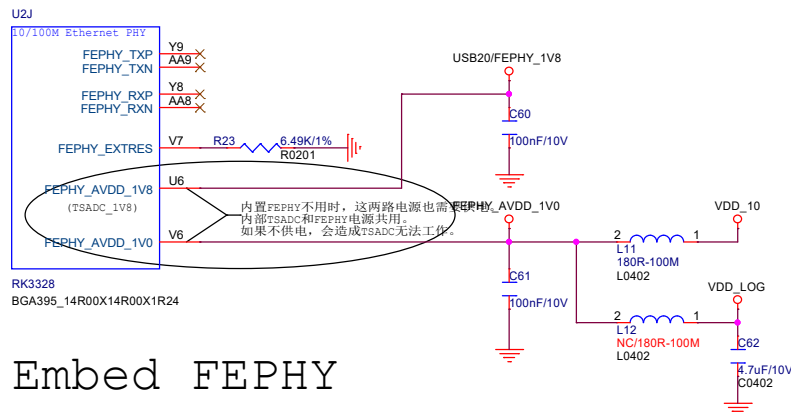
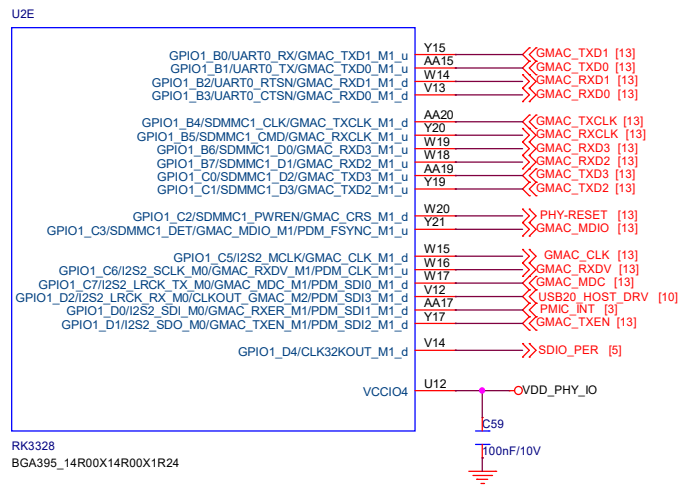
模组是否需要32.768KHz，
请见各WIFI/BT模组分页说明。



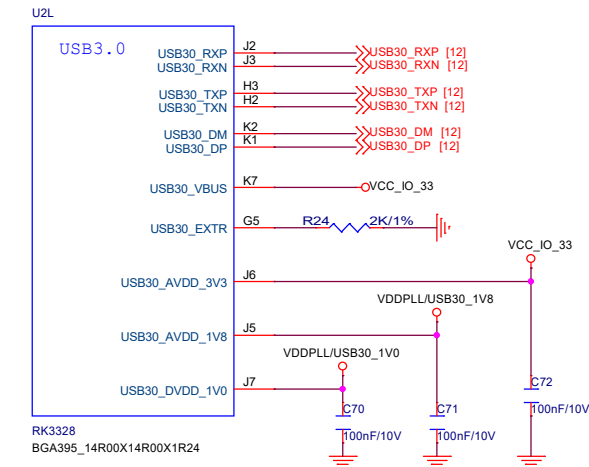
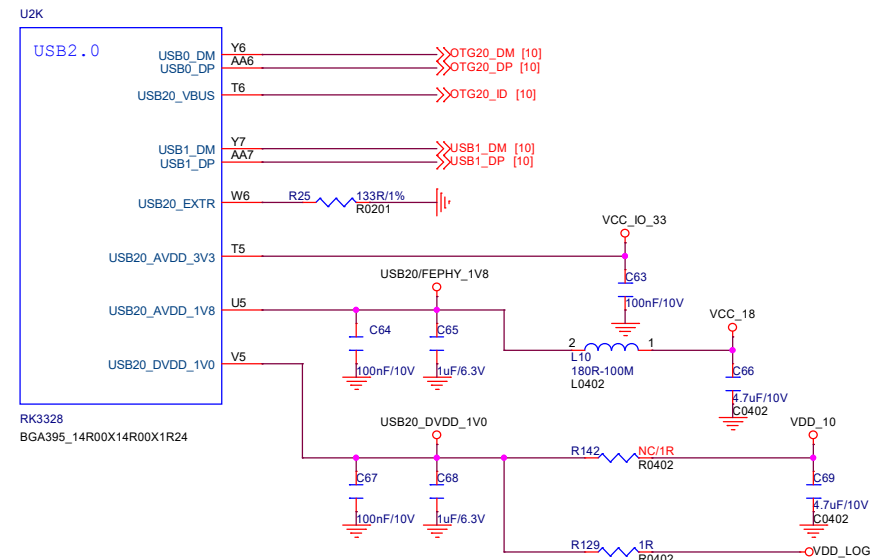
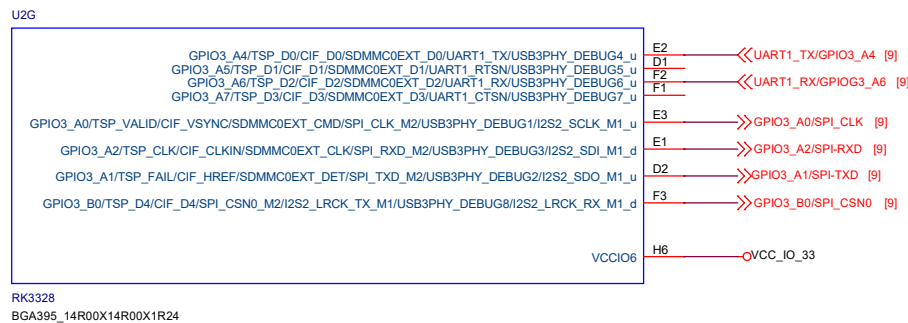


RK3328
BGA395_14R00X14R00X1R24



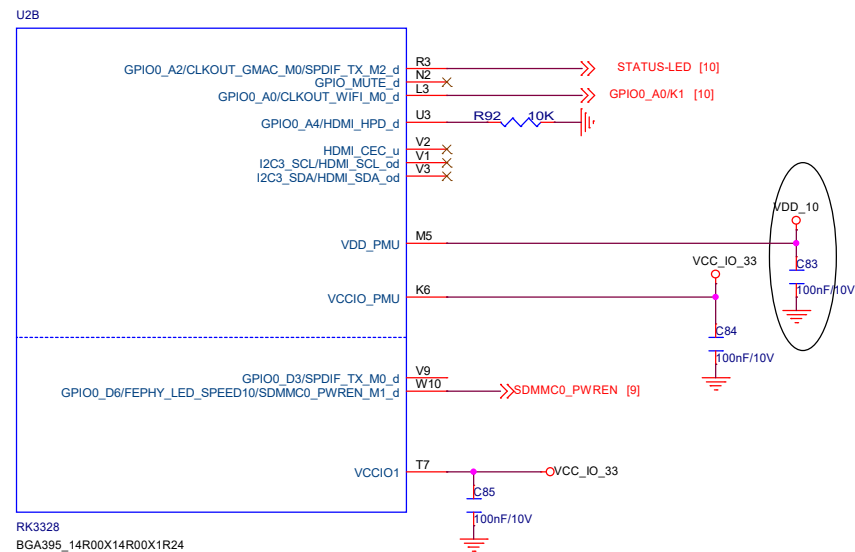
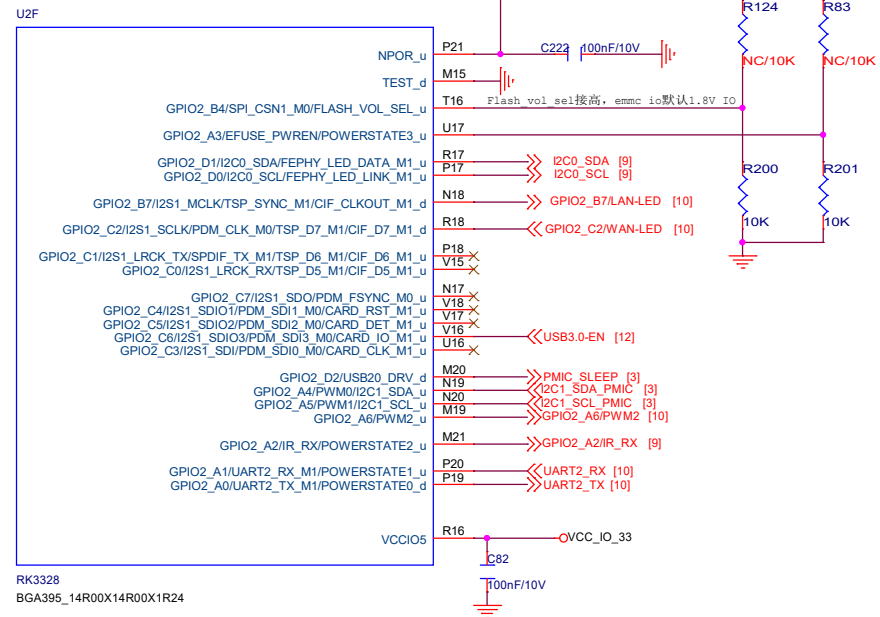
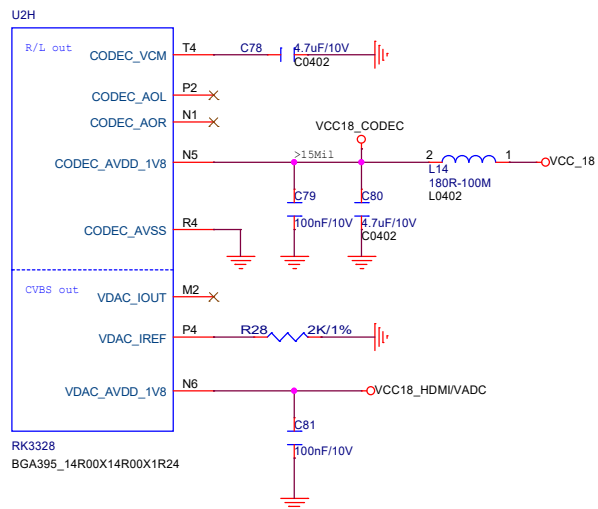
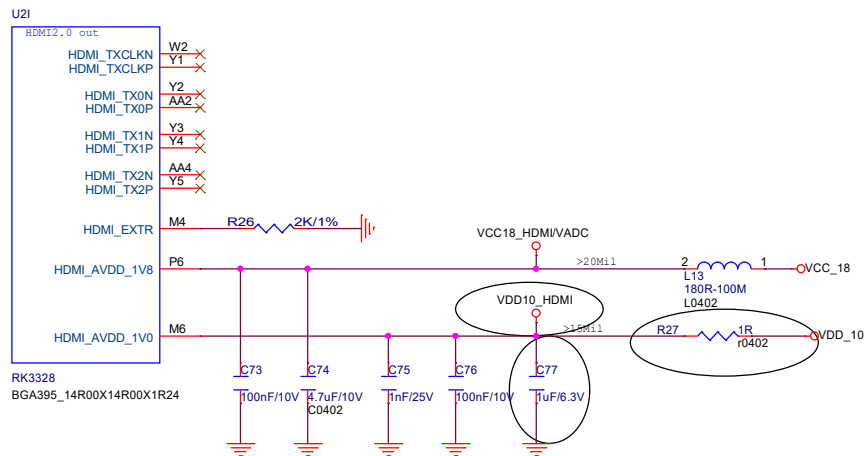


Embed FEPHY



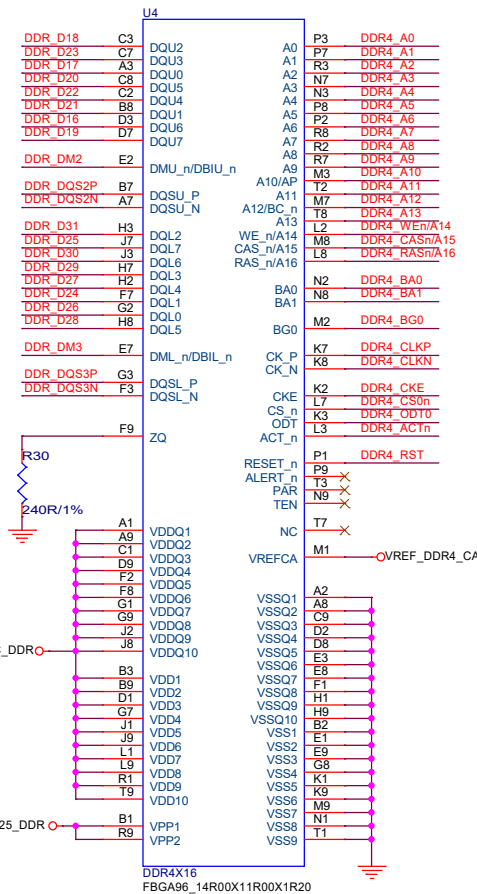
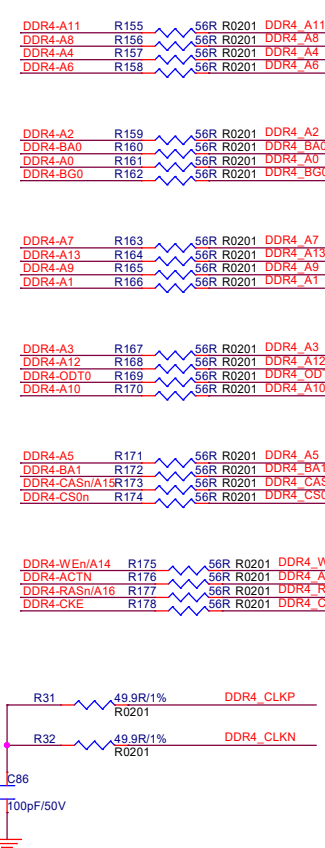
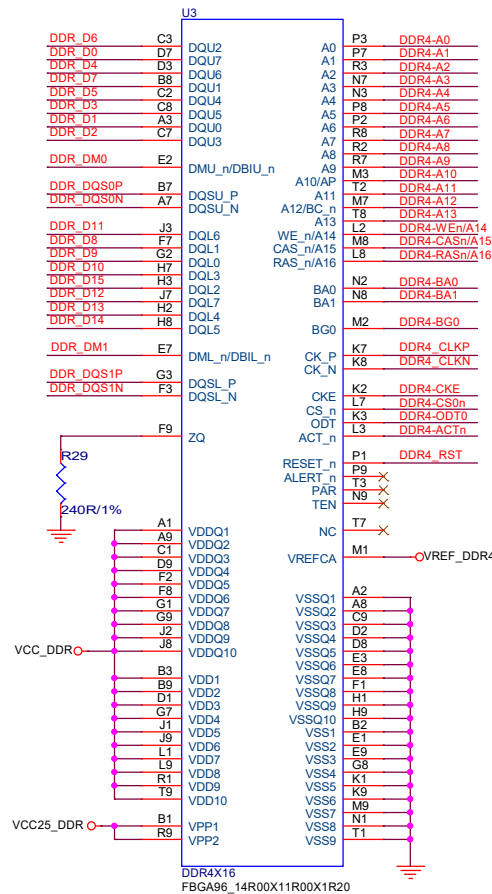
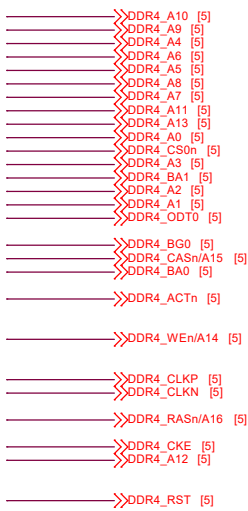
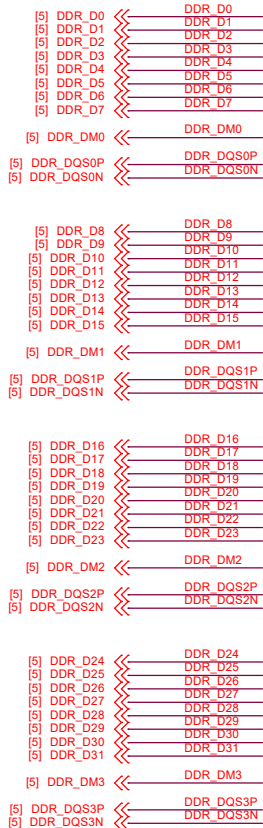
NanoPI R2S

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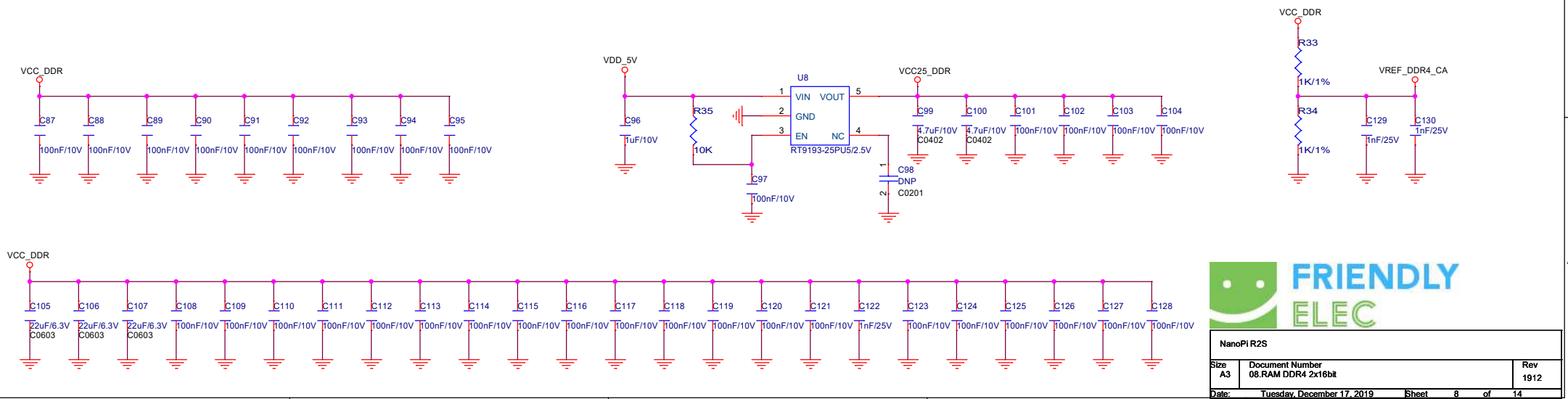
NanoPi R2S

Size	Document Number	Rev
A3	07.HDMI/V/EPHY/GPIO Controller	1912
Date:	Monday, September 21, 2020	Sheet 7 of 14



2X16bit DDR4

Note:
DDR4 Speed > =2133Mb/s
4 layer board

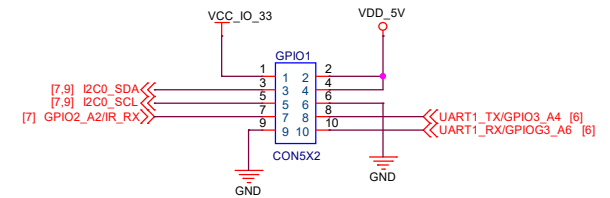
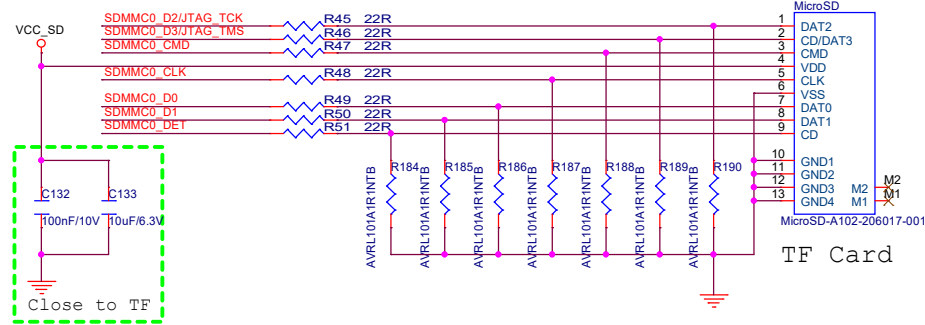
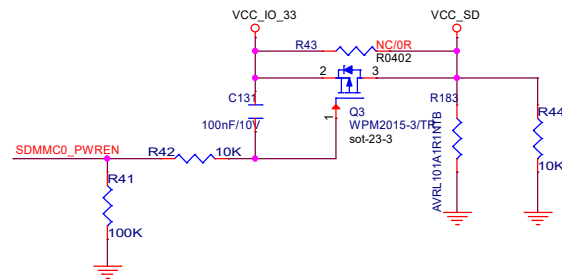


FRIENDLY ELEC

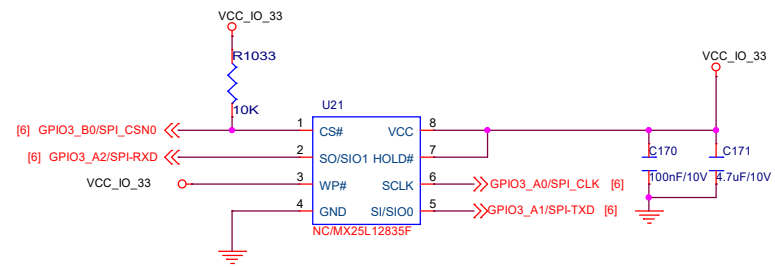
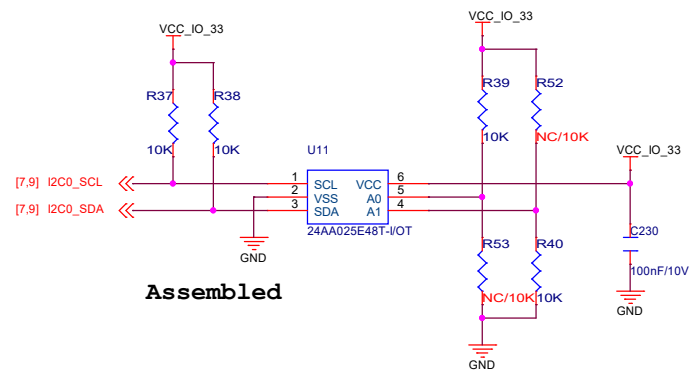
NanoPIR2S

Size A3	Document Number 06.RAM DDR4 2x16bit	Rev 1912
Date: Tuesday, December 17, 2019	Sheet 8 of 14	

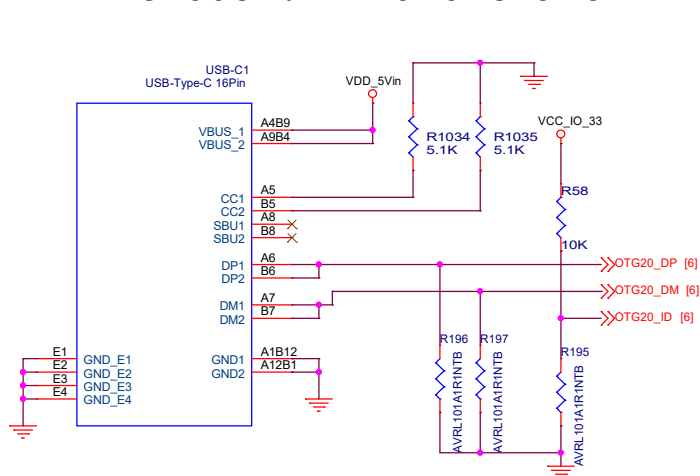
>>SDMMC0_D0 [5]
 >>SDMMC0_D1 [5]
 >>SDMMC0_D2/UTAG_TCK [5]
 >>SDMMC0_D3/UTAG_TMS [5]
 >>SDMMC0_CMD [5]
 >>SDMMC0_CLK [5]
 <<SDMMC0_DET [5]
 >>SDMMC0_PWREN [7]



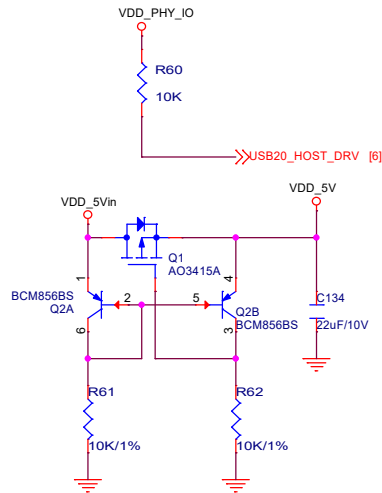
EEPROM with MAC Address



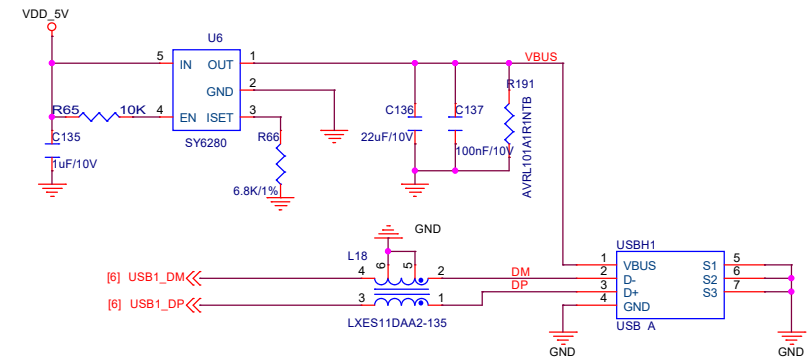
MicroUSB:PWR and Slave



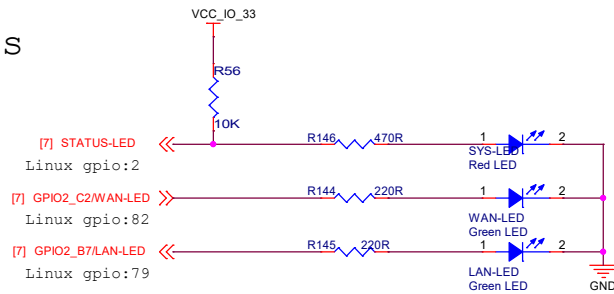
不得删除!
不得随意更换型号!
IF TVS UNMOUNTED,
ESD OR SURGE SHOULD BE
DAMAGE THE PMIC!!!
如果采用5v适配器, 那个器件必须贴。
型号建议不更换, 要更换需相同的规格。
Operating Supply Voltage: 5.5V(5.25-6V)
PeakPulse Current: >10A (tp=8/20uS)
Surge Clamping Voltage: <6.5V
DO NOT DELETE IT!



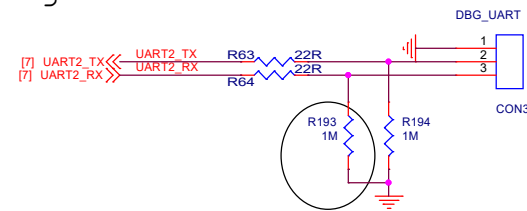
USB Host



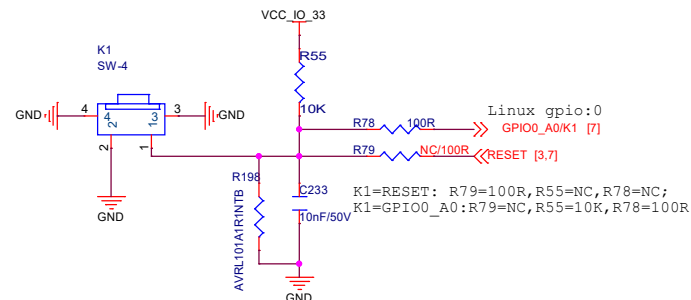
LEDs



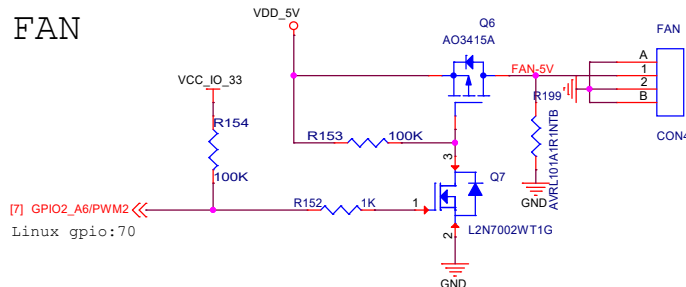
Debug UART2



KEY



FAN



NanoPI R2S		
Size A3	Document Number 10.Flash-eMMC	Rev 1912
Date: Wednesday, June 03, 2020	Sheet 10	of 14

