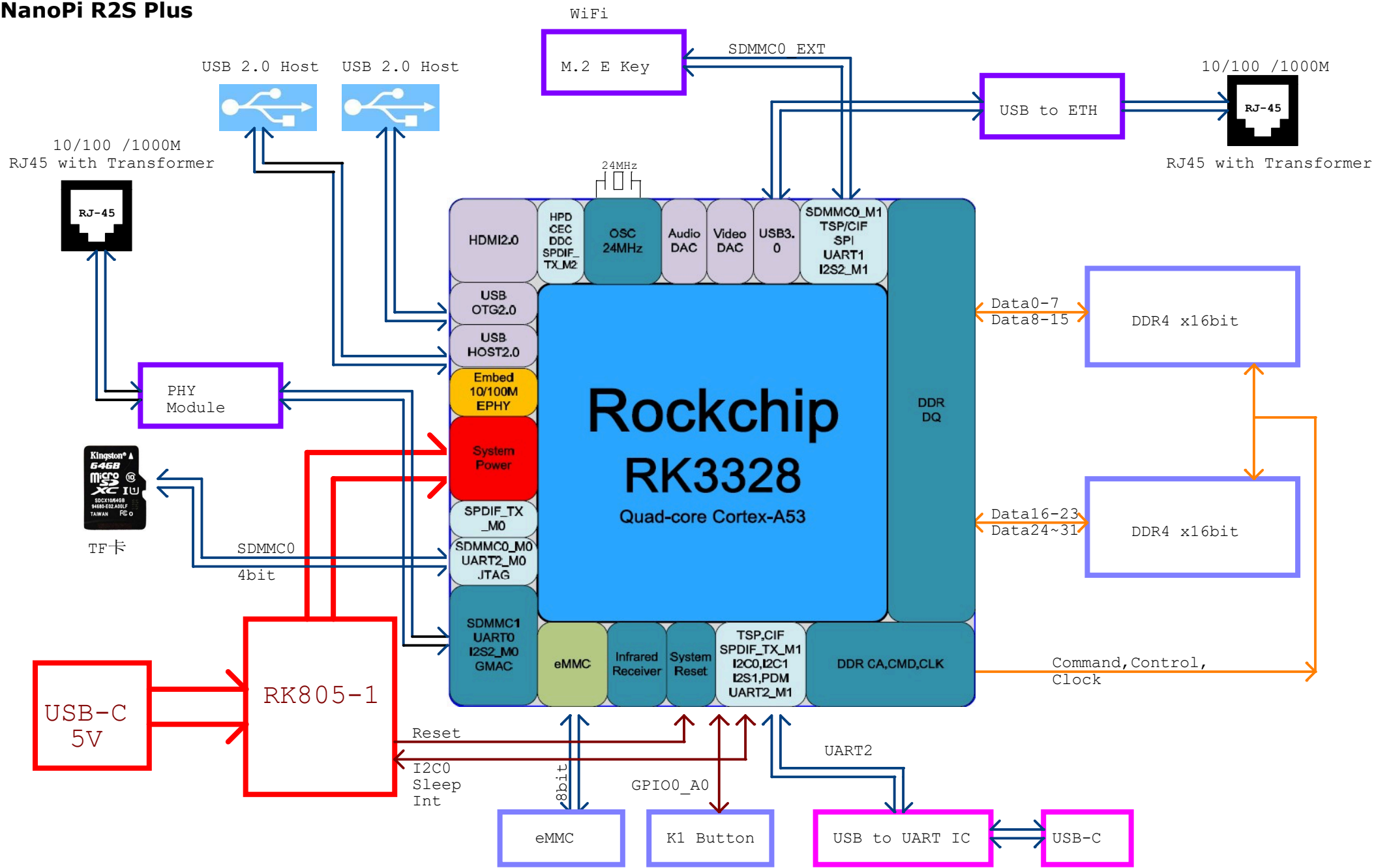
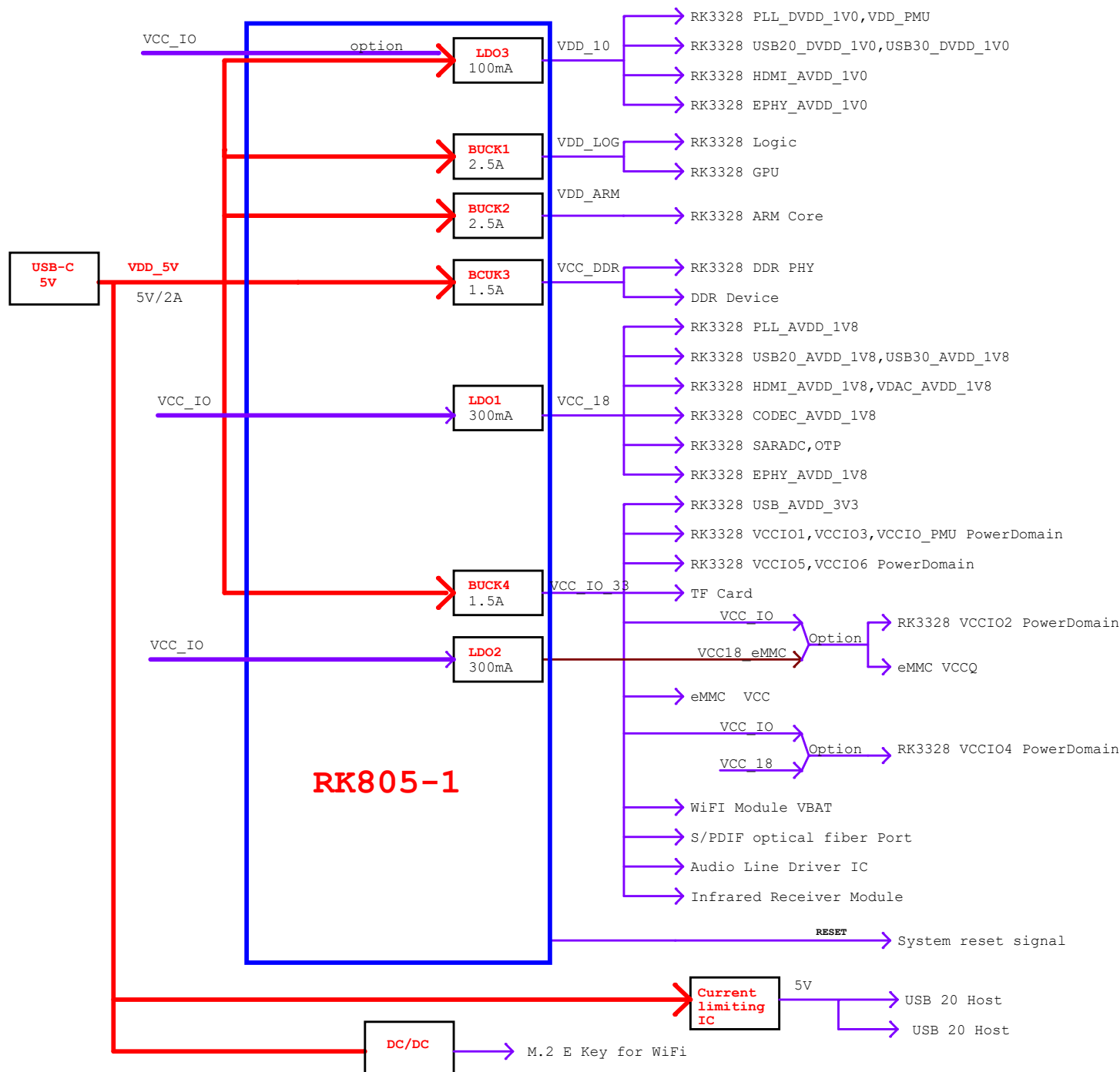


NanoPi R2S Plus

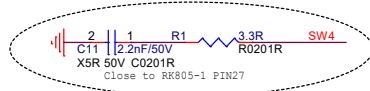




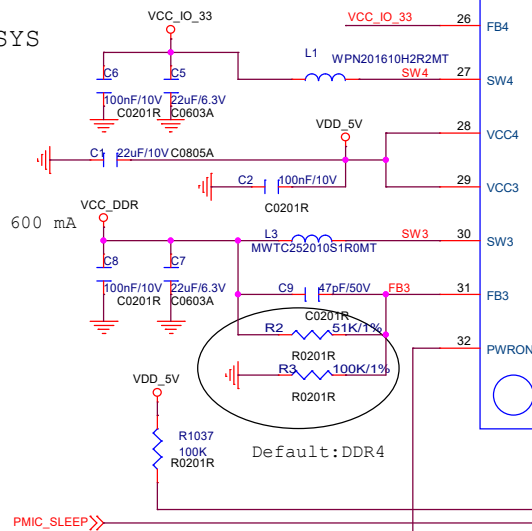
Power Timing

TYPE	VOLT	STEP	PowerName
BUCK1	1.1V		VDD_LOG
BUCK2	1.1V		VDD_ARM
BUCK3	FB=0.8V		VCC_DDR
BUCK4	3.3V		VCC_IO
LDO1	1.8V		VCC_18
LDO2	1.8V		VCC18_eMMC
LDO3	1.0V		VDD_10

IO电源域电压	IO电压=3.3V	IO电压=1.8V
VCCIO_PMU	3.3V	不支持
VCCIO1	3.3V	不支持
VCCIO2		1.8V (默认) eMMC
VCCIO3	3.3V (默认)	
VCCIO4	3.3V (默认)	
VCCIO5	3.3V (默认)	
VCCIO6	3.3V (默认)	



VCC_SYS



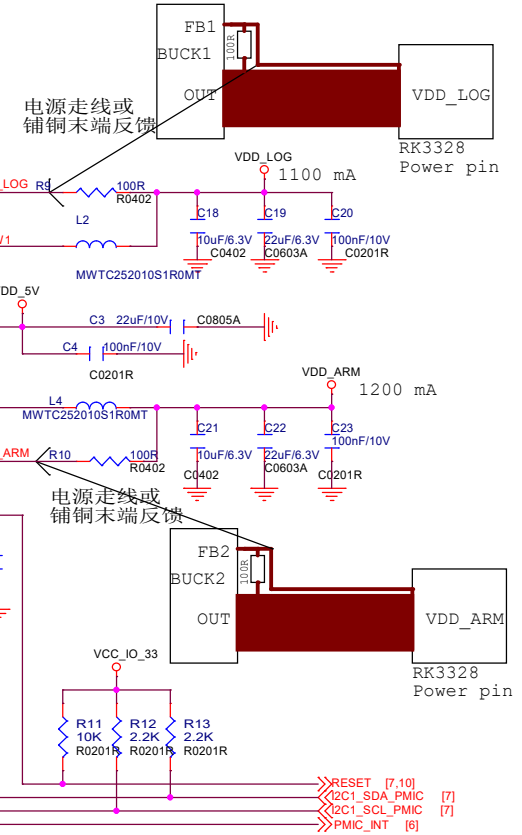
VCC_DDR

	DDR3	DDR3L	DDR4
VCC_DDR	1.527V	1.353V	1.2V
R725	100K 1%	47K 1%	51K 1%
R726	110K 1%	68K 1%	100K 1%

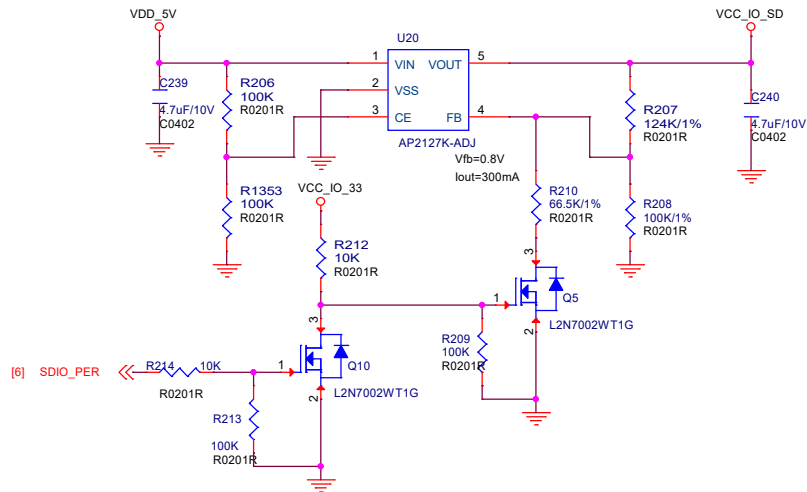
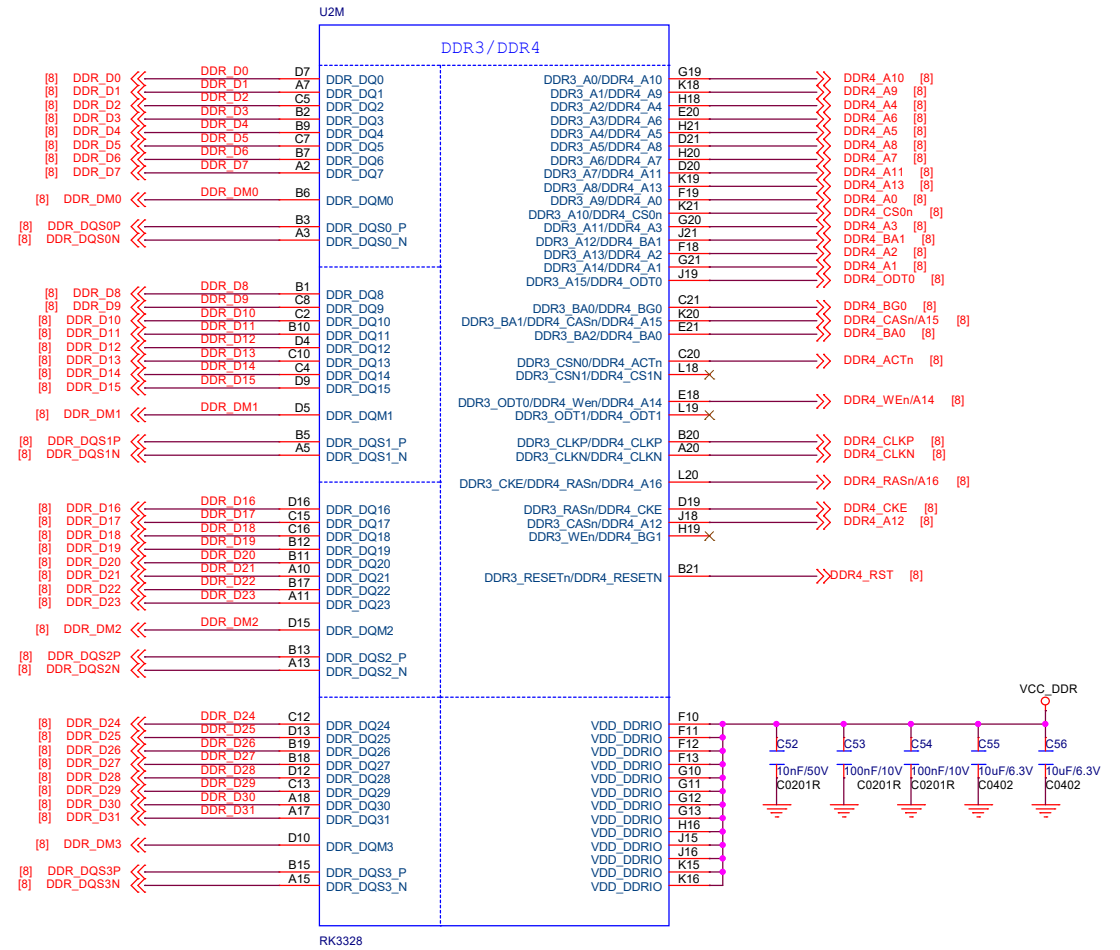
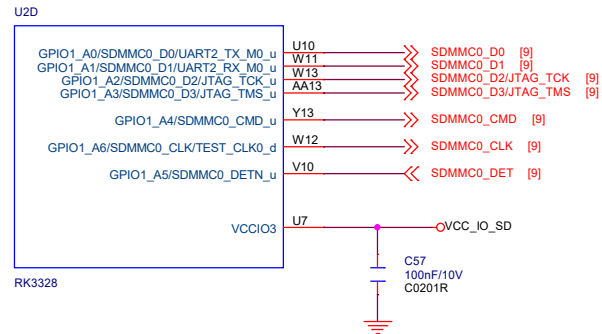
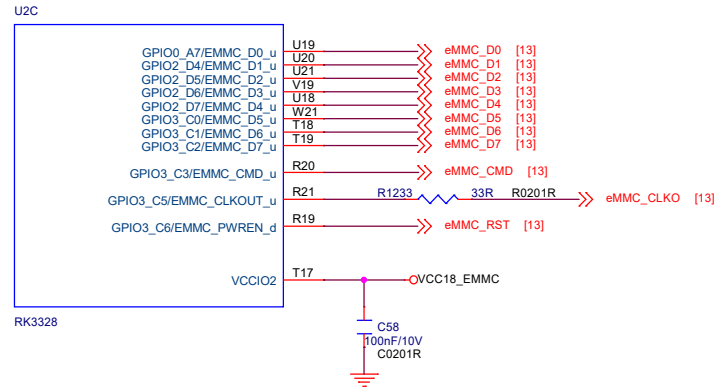
RK805-1

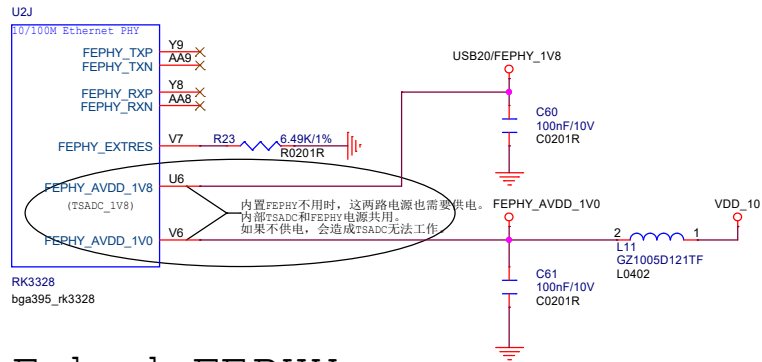
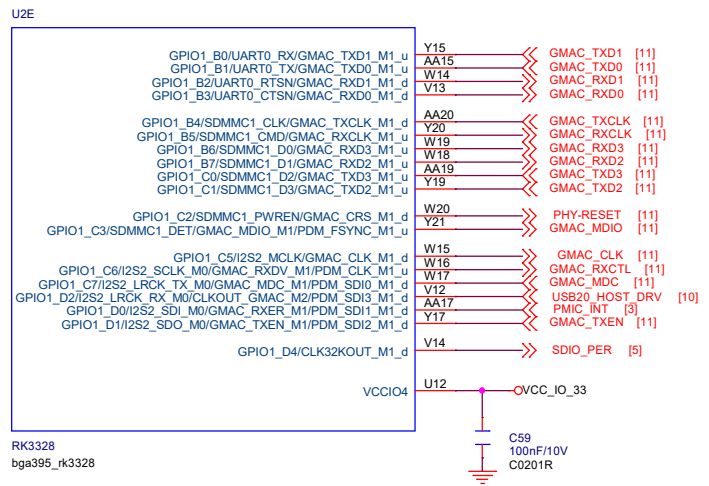
- 1: 如WIFI/BT需要32.768KHz时钟, 默认由CPU提供32.769KHz时钟, 默认不贴。
- 2: 如果修改了PLL分频, 造成无法分出32.769KHz时钟, 那么这部分电路需要贴上。
- 3: WIFI/BT不用32.768KHz时钟, 这部分可以不贴。

模组是否需要32.768KHz, 请见各WIFI/BT模组分页说明。

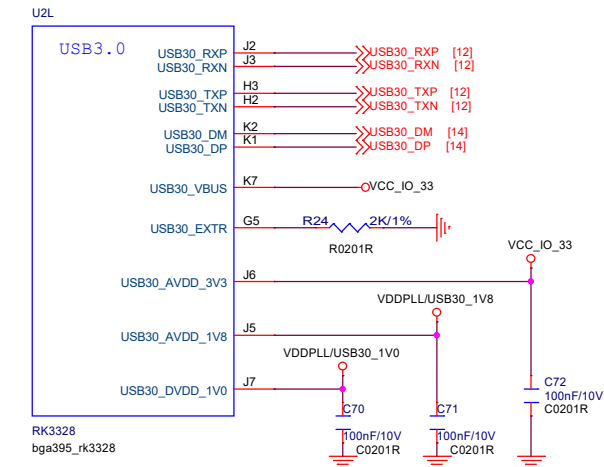
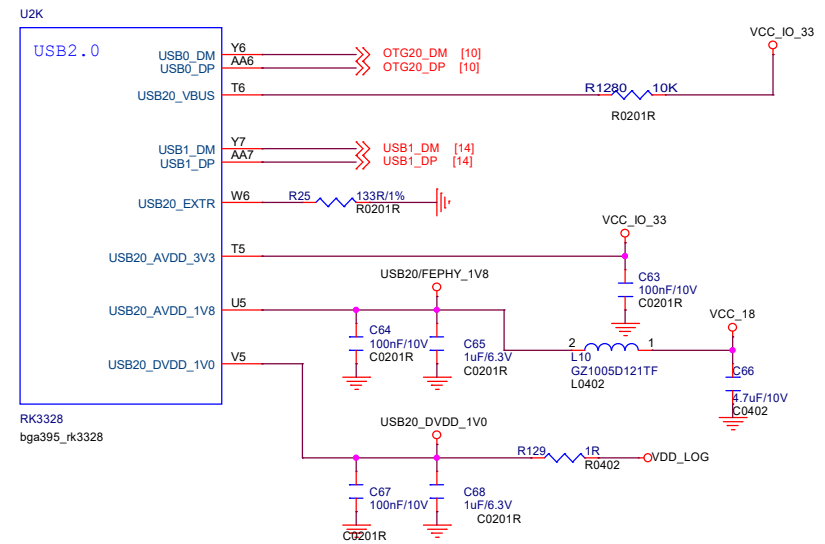
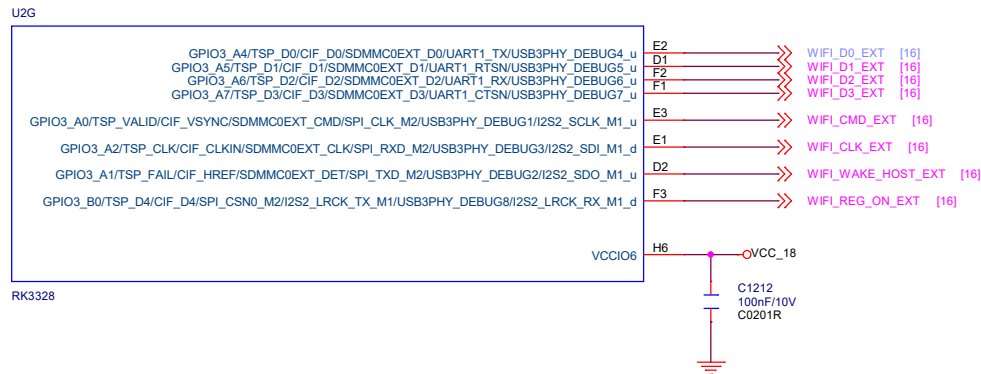


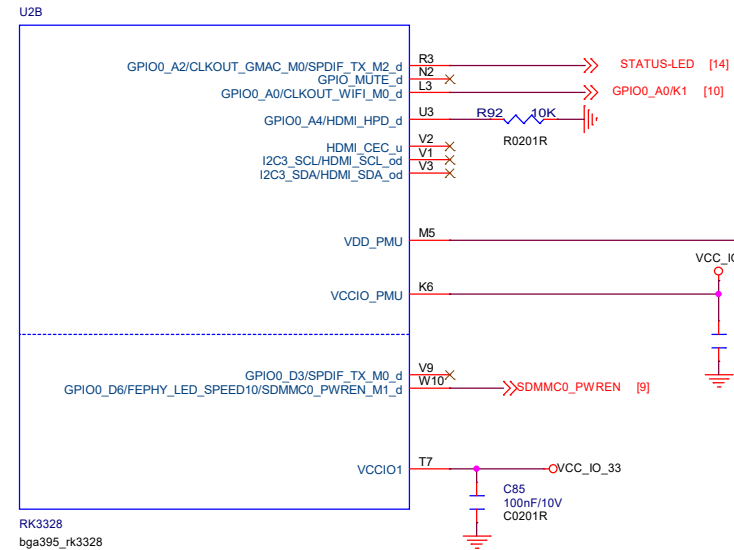
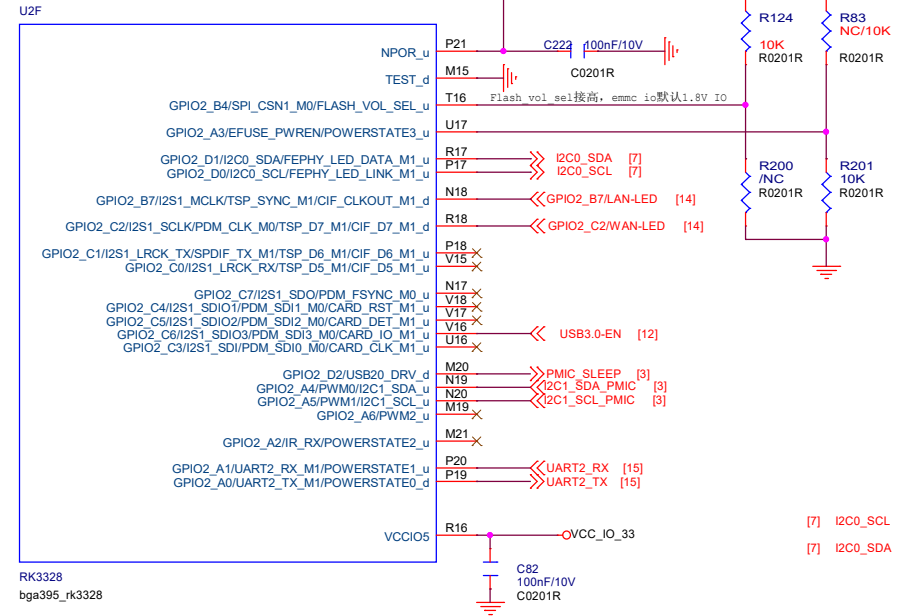
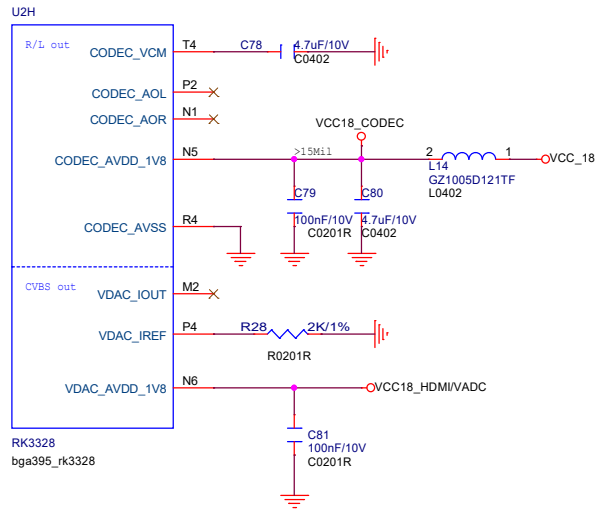
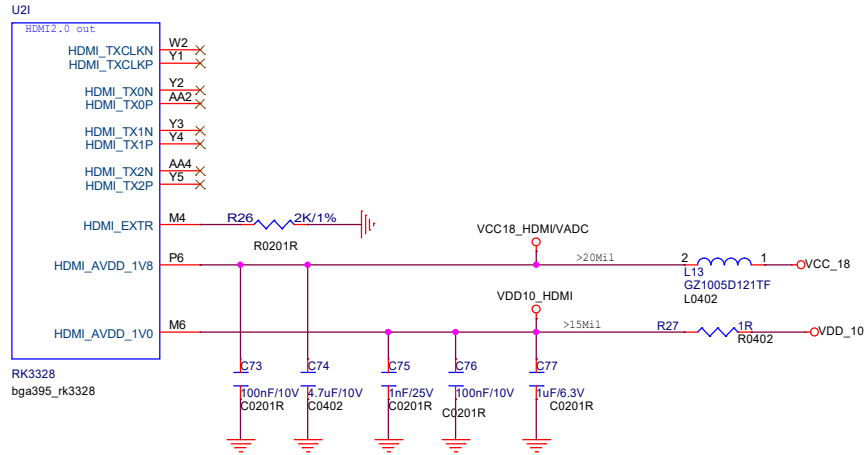




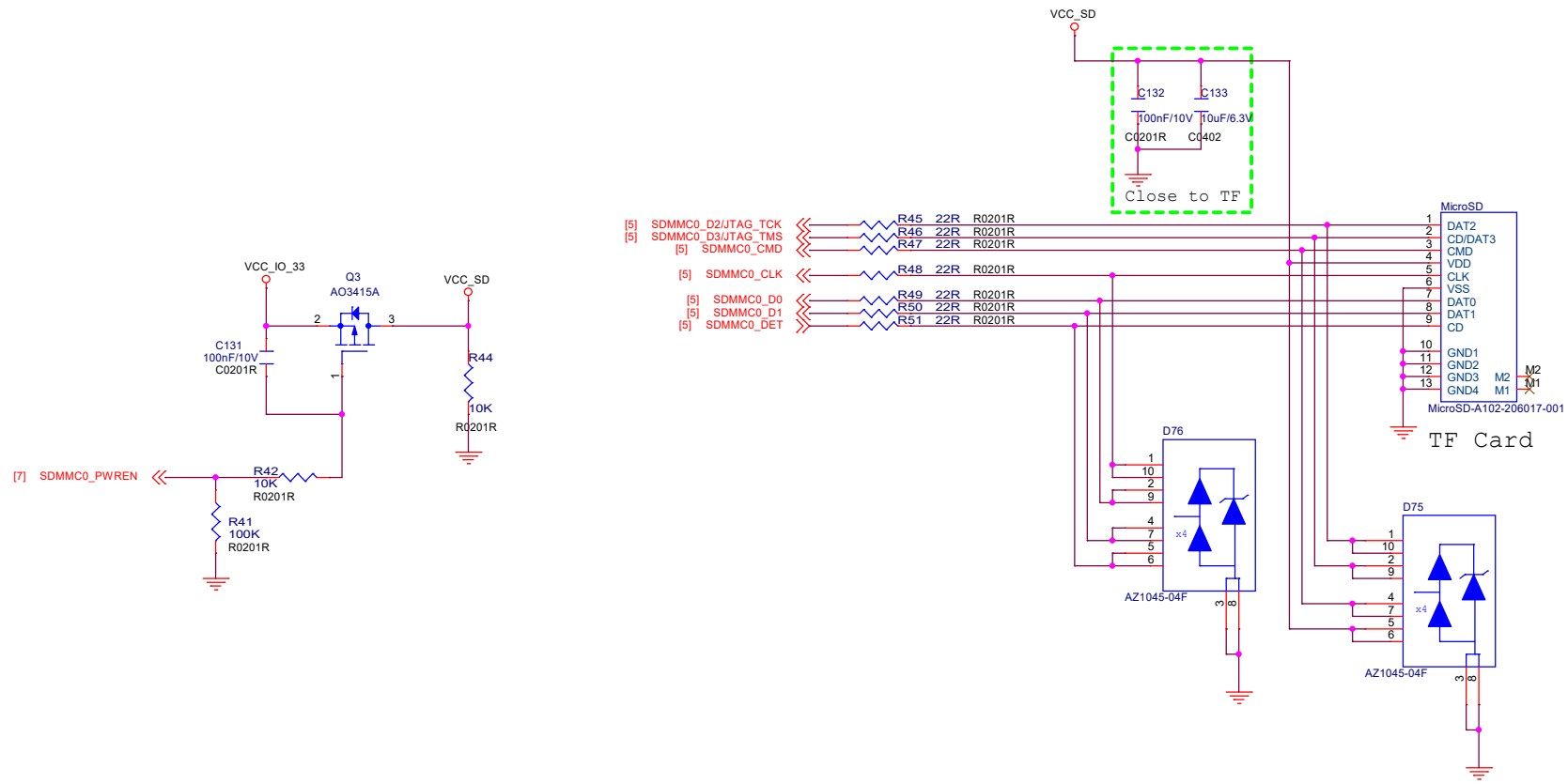


Embed FEPHY





microSD



Power IN

VDD_5V

2

D1

AZ5825-01B

SOD-882

1

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，那这个器件必须贴。

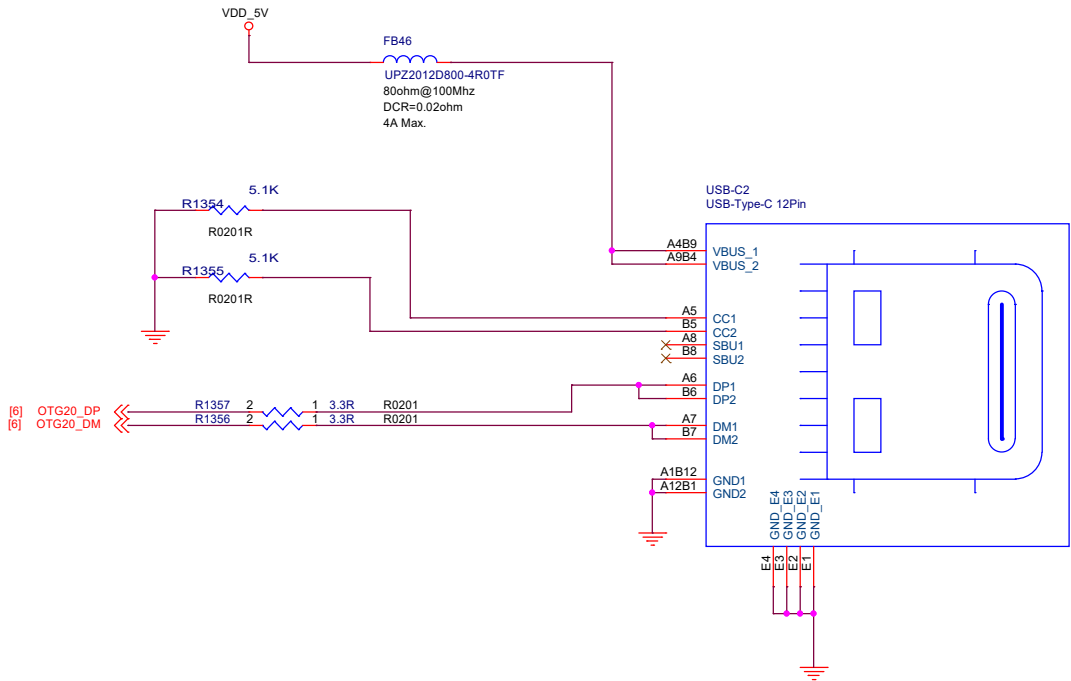
型号建议不更换，要更换需相同的规格。

Operating Supply Voltage : 5.5V(5.25~6V)

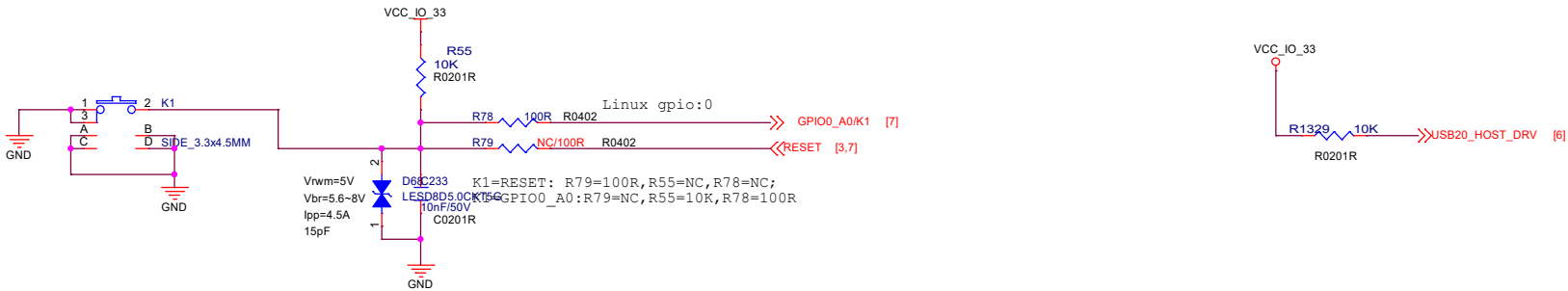
PeakPulse Currents >10A (tp=8/20us)

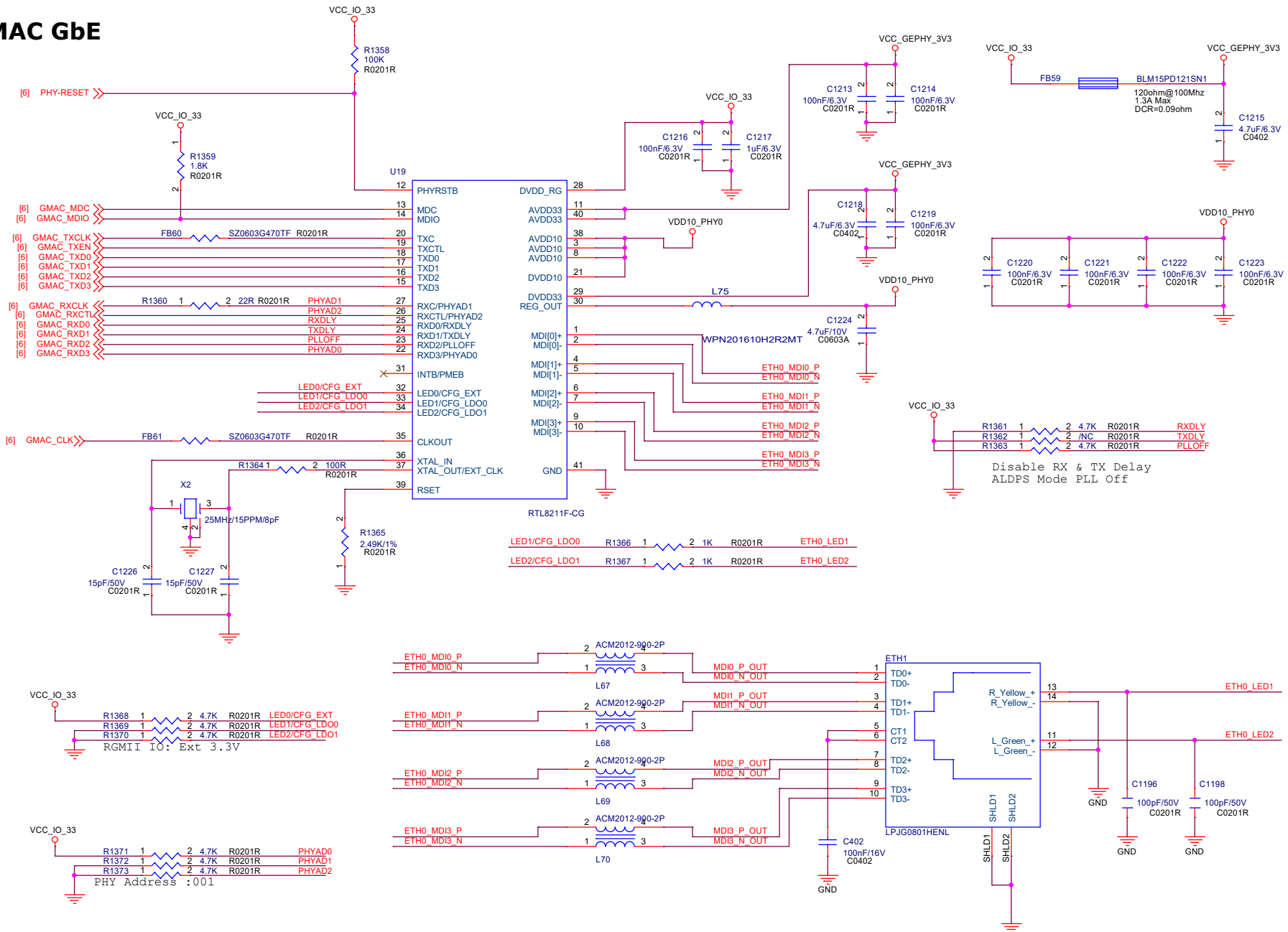
Surge Clamping Voltage <6.5V

DO NOT DELETE IT!

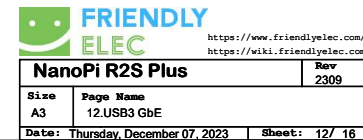
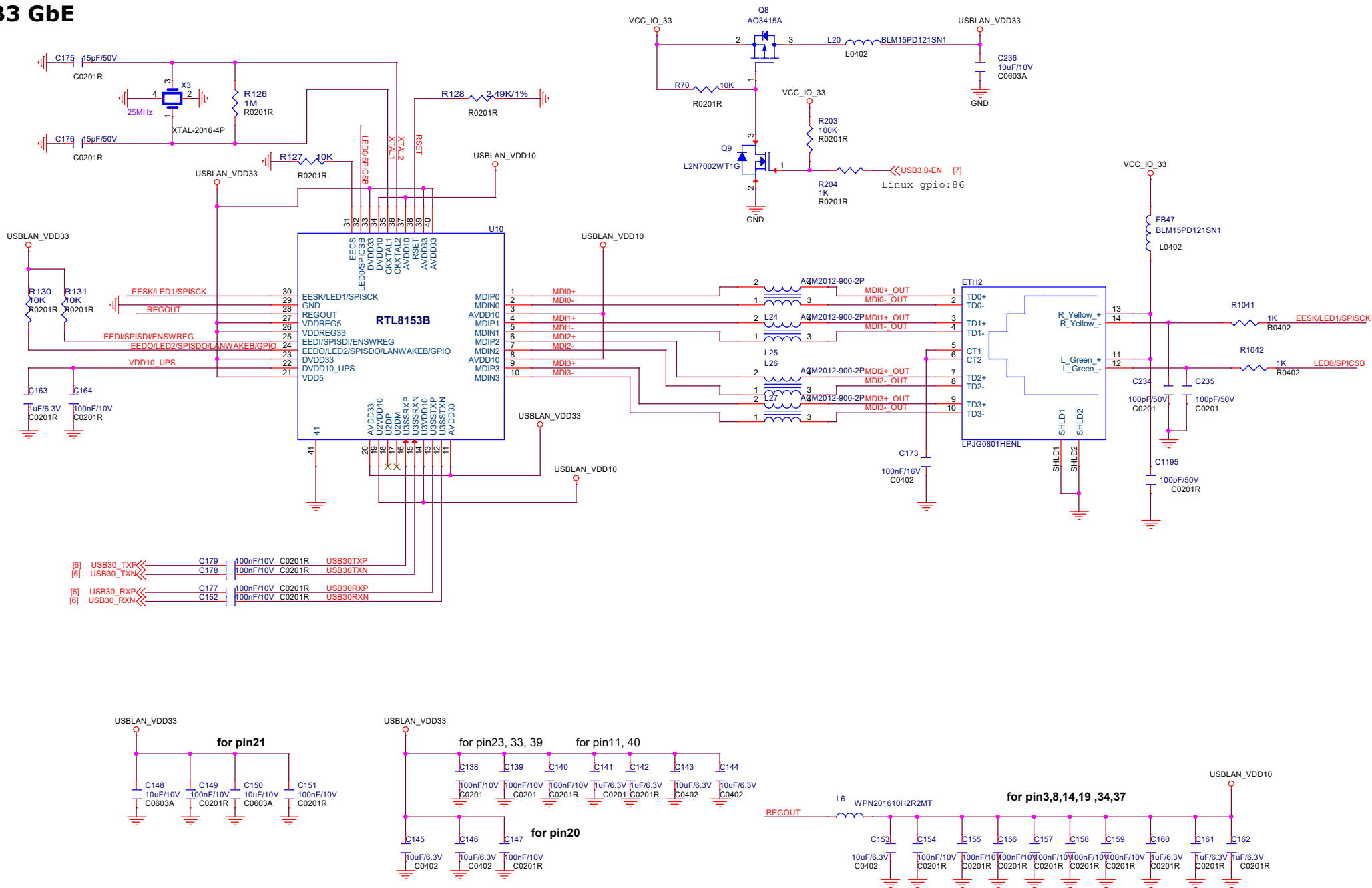


Button

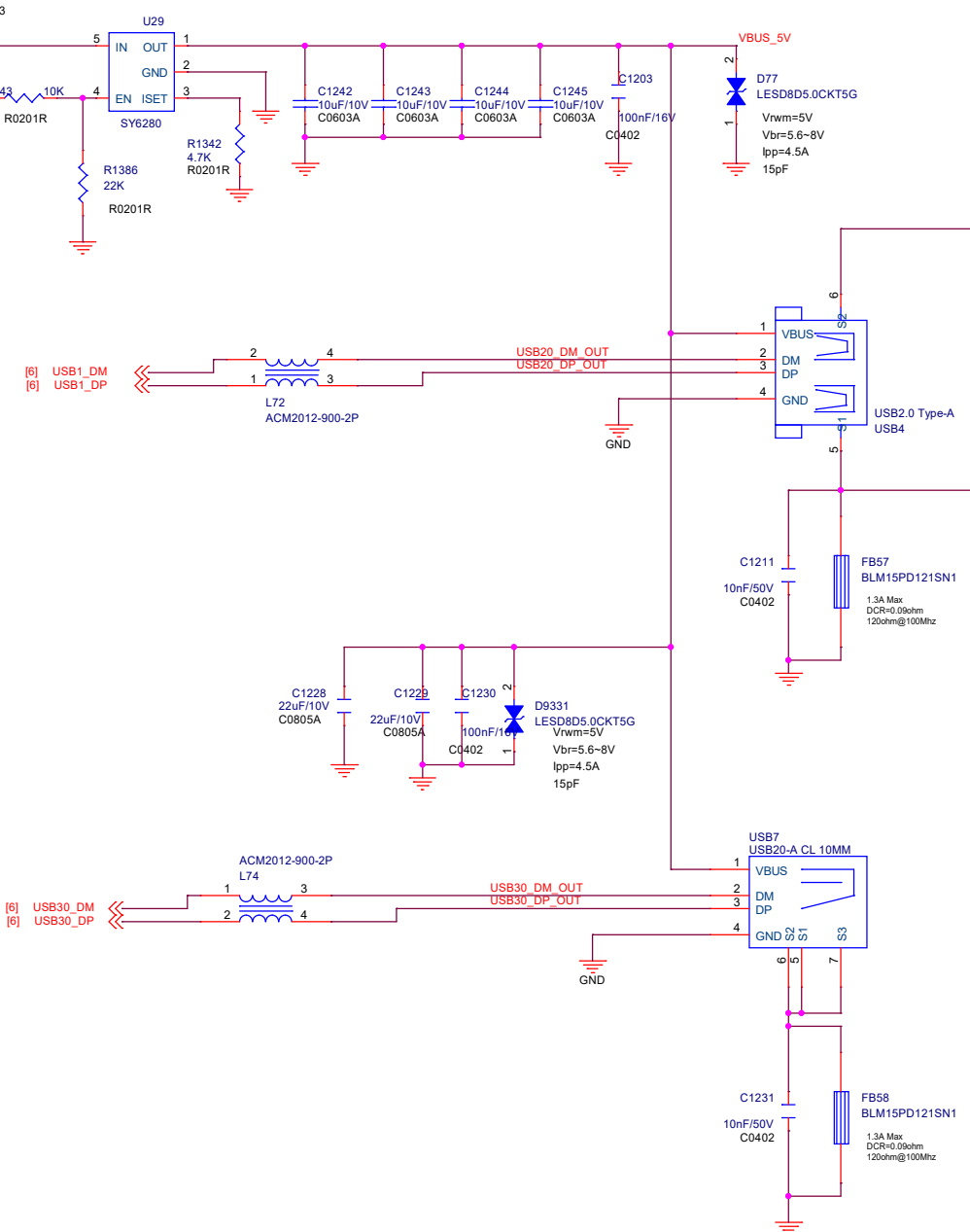


GMAC GbE

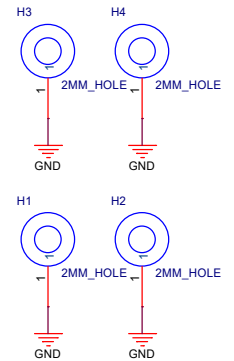
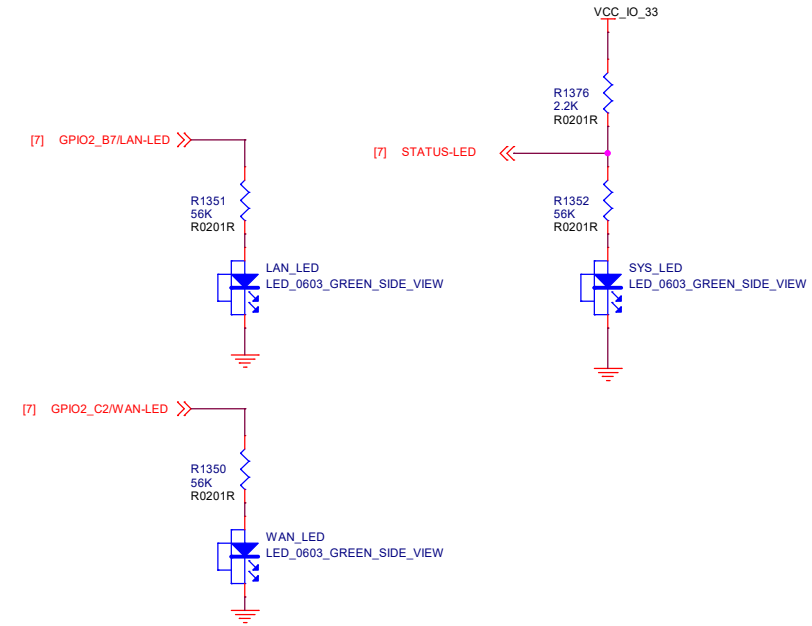
USB3 GbE



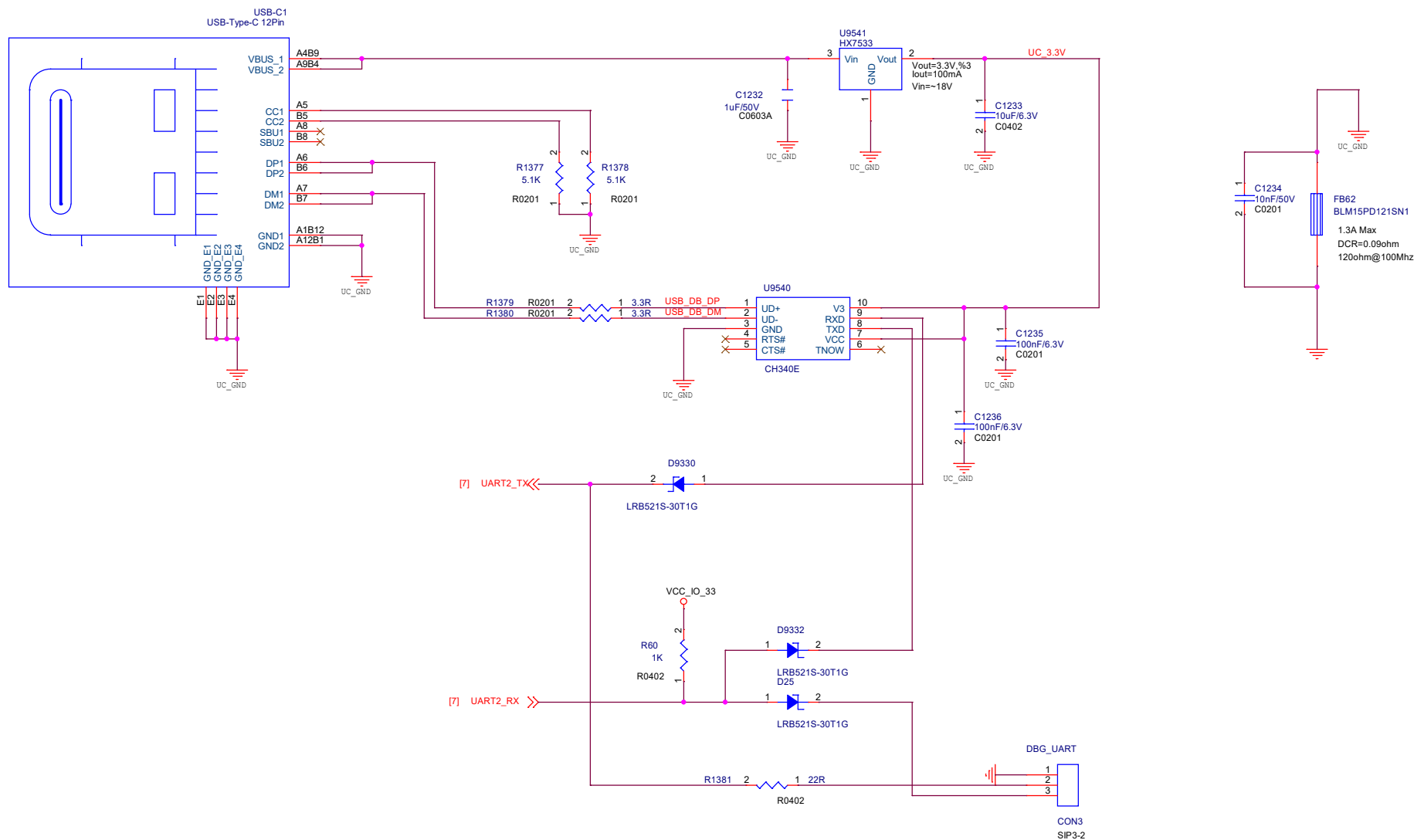
USB Host



LEDs



USB-C Debug



M2 Key E for WiFi

