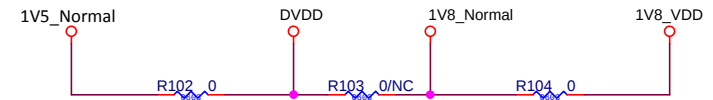
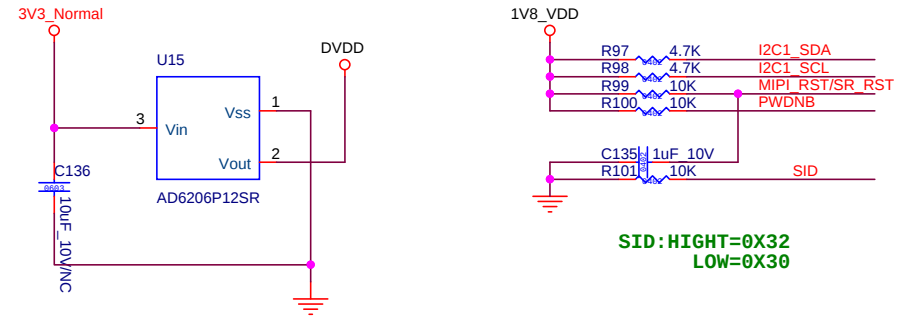
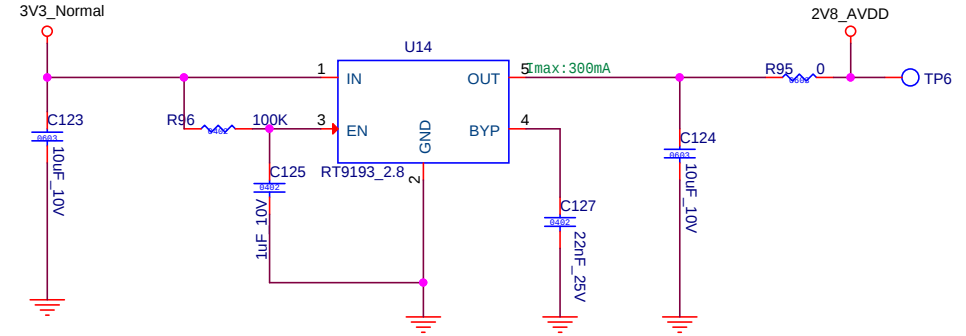
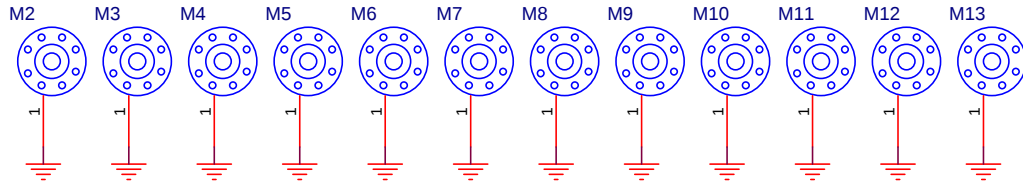
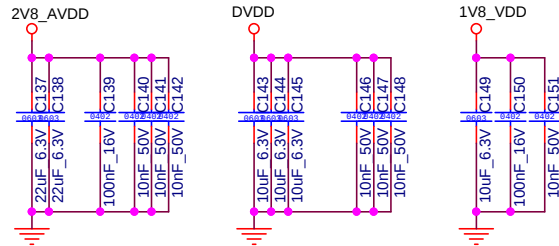
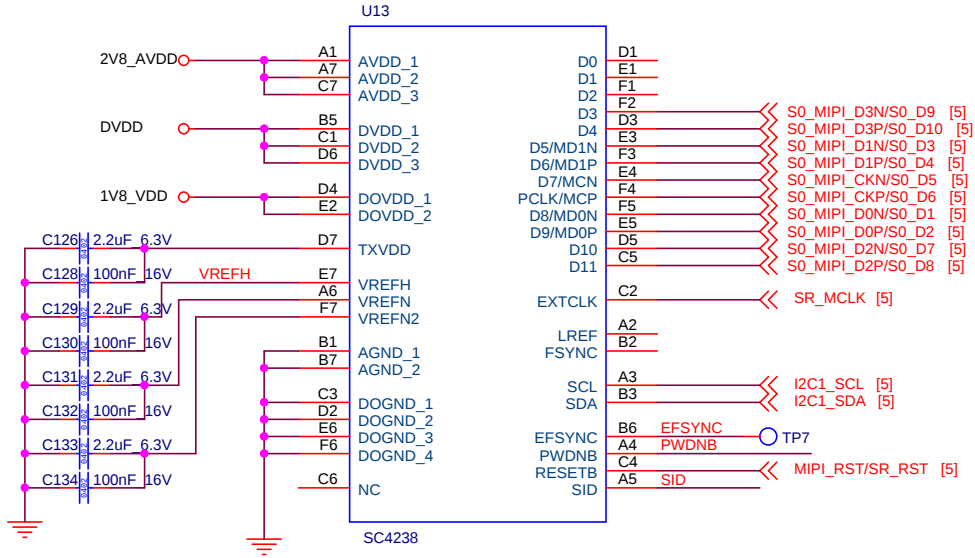
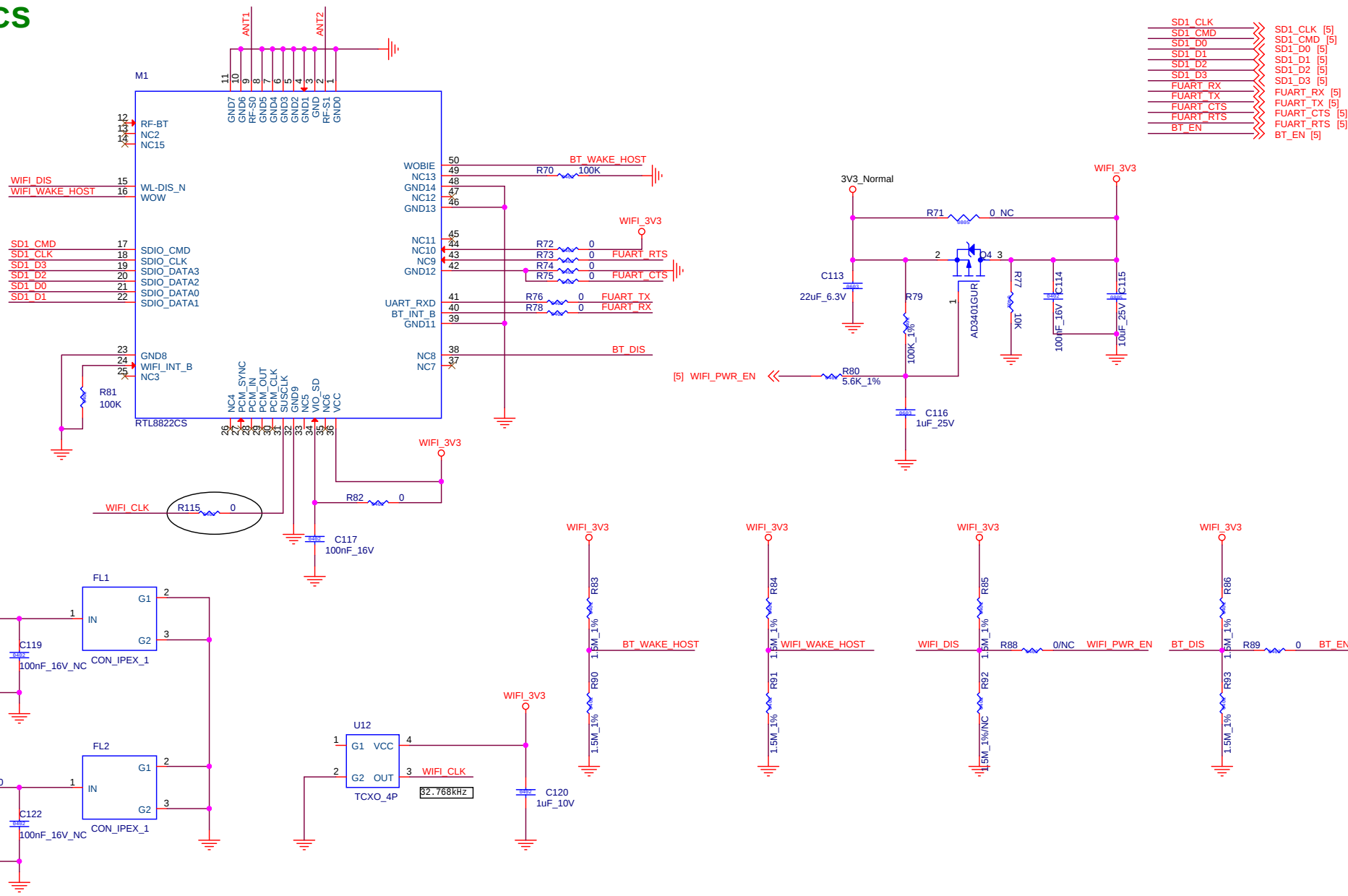


SC4238

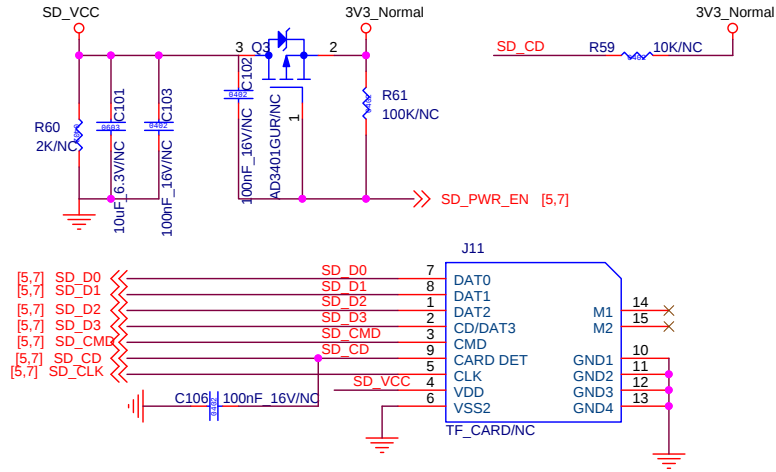


SID: HIGHT=0X32
LOW=0X30

RTL8822CS

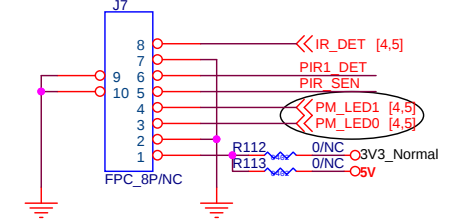
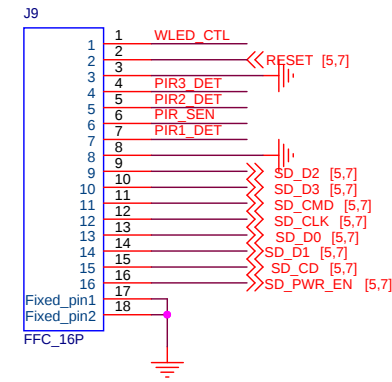
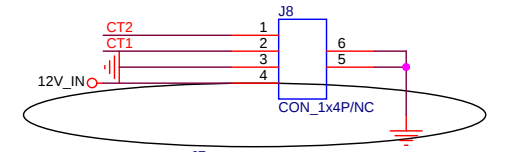
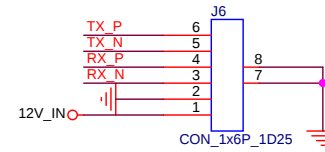


SD Card

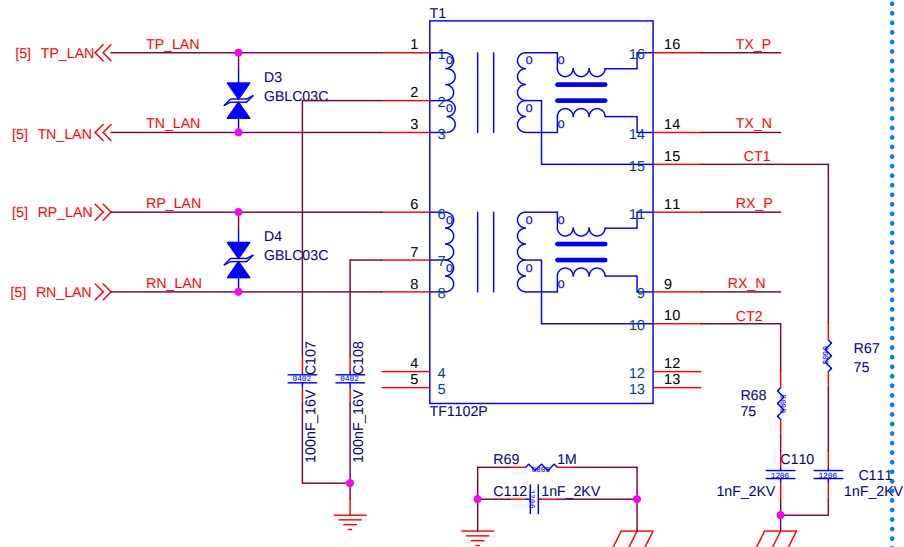


Interface

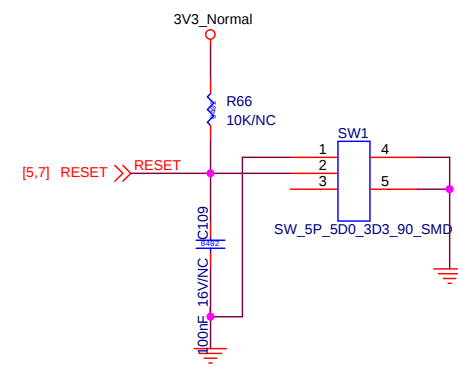
WLED_CTL << WLED_CTL [4,5]
 PIR1_DET << PIR1_DET [5]
 PIR_SEN << PIR_SEN [5]
 PIR2_DET << PIR2_DET [5]
 PIR3_DET << PIR3_DET [5]



ETH

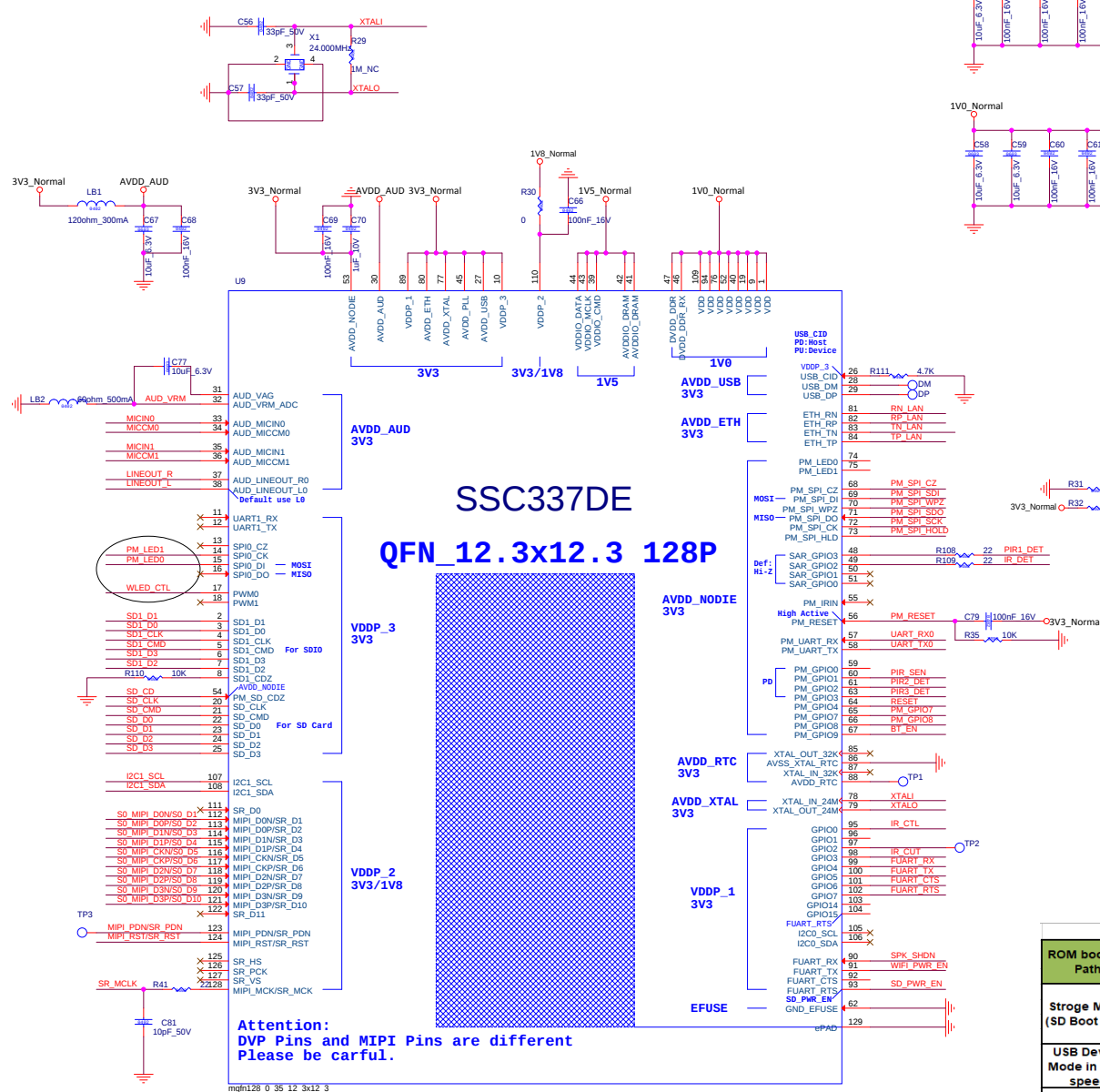


Reset



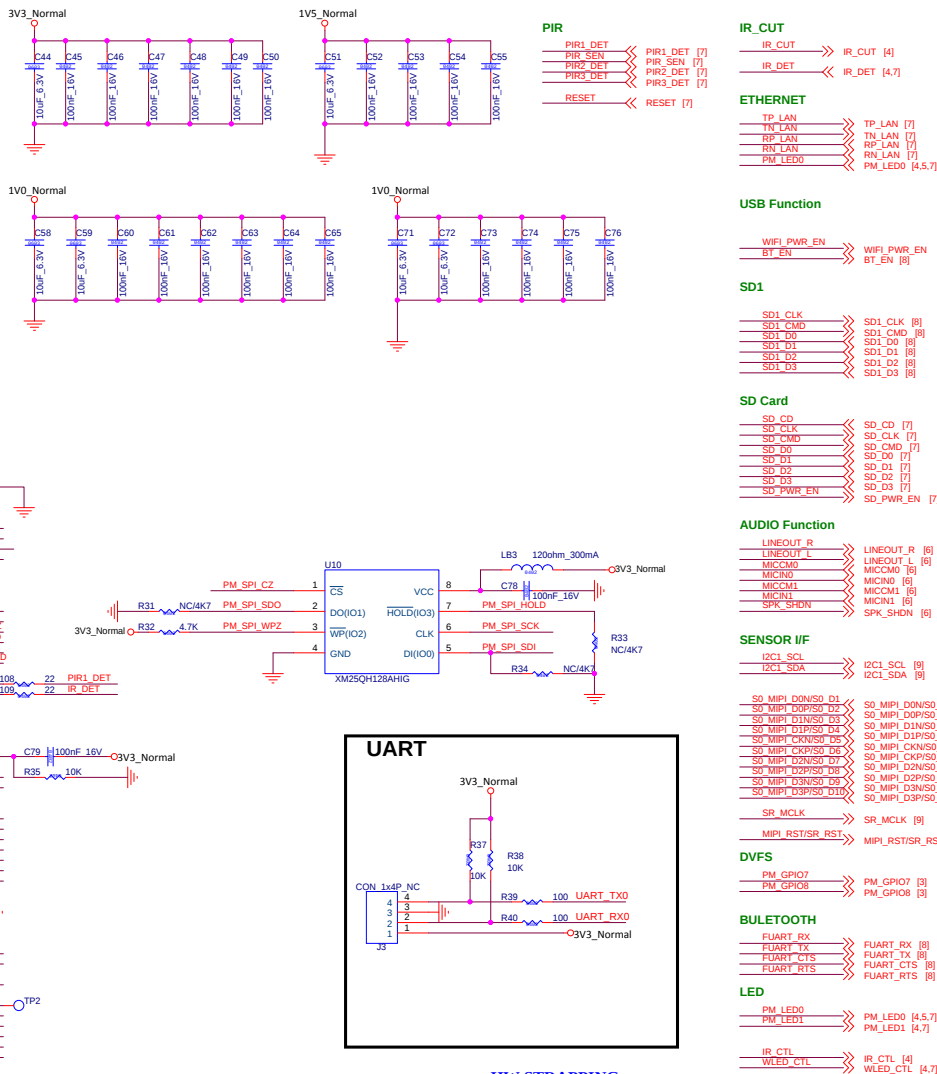
SSC337DE

Clock 24MHz For Core/20PF



Attention:
DVP Pins and MIPI Pins are different
Please be careful.

mqfn128_0_35_12_3x12_3



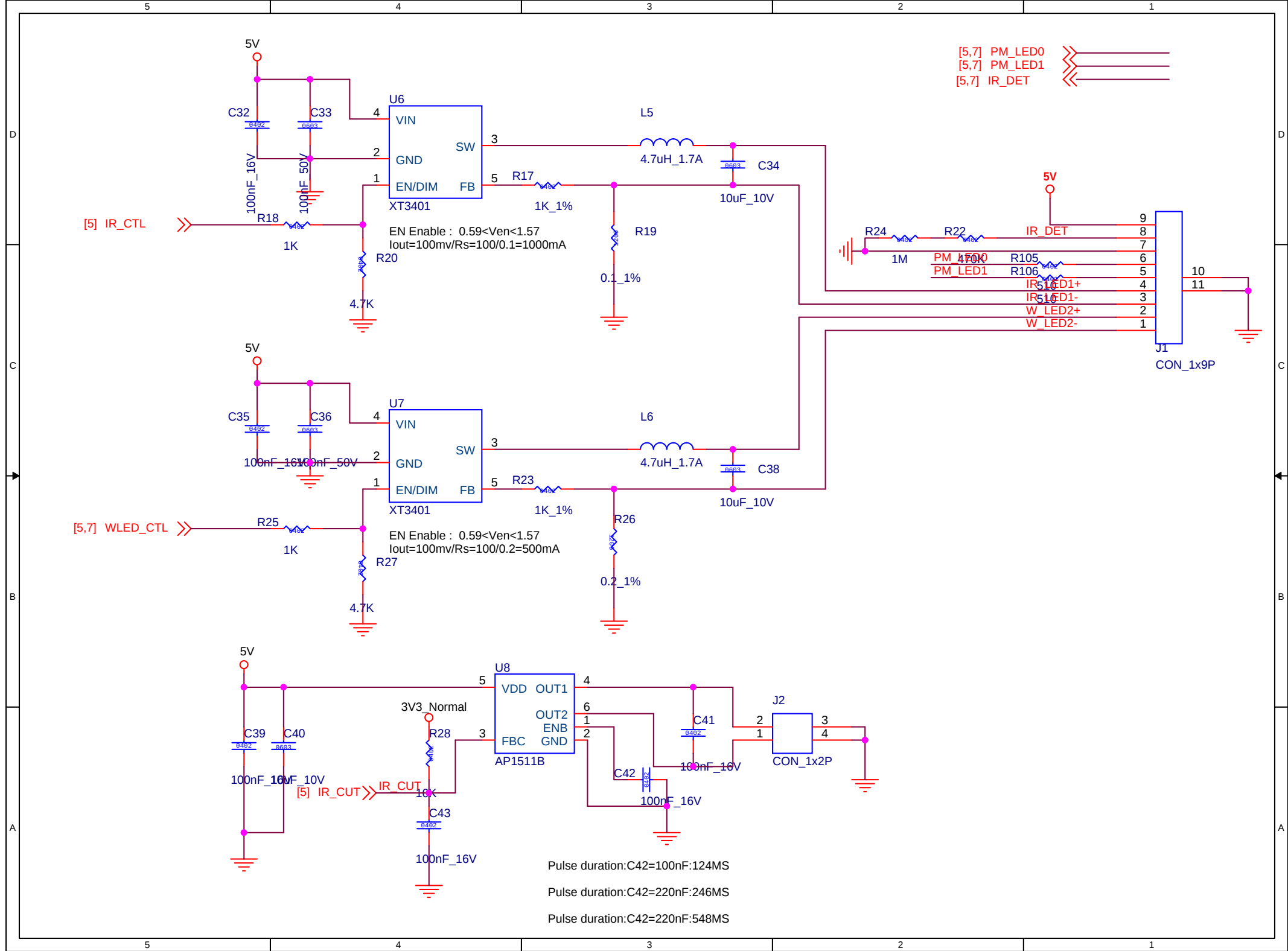
HW STRAPPING

Boot Information (ROM - Boot Mode Selection)

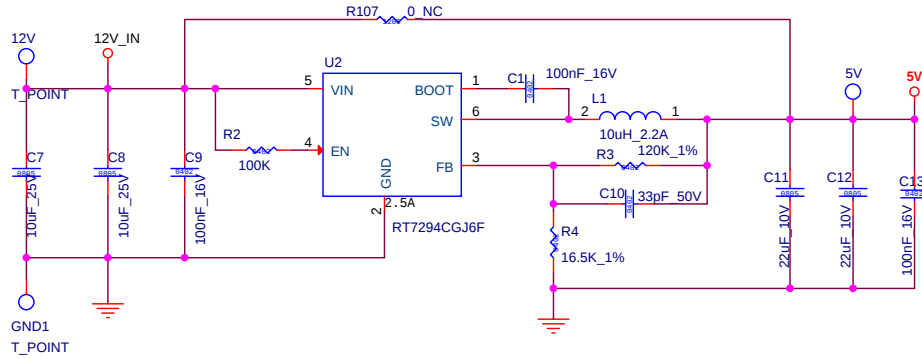
Boot Information (ROM - Boot Mode Selection)							
ROM boot up Path	PM_SPI_HLD_	PM_SPI_DC	PM_SPI_W_PZ	PM_SPI_DI	PM_SPI_CLK	ROM Boot Storage Selection	Upgrade Path
	M[4]	M[3]	M[2]	M[1]	M[0]		
Stroge Mode (SD Boot first)	1	0			0	Skipp SD Card, run SPI NAND Flash (With ECC)	
		0			1	Outer storage is SPI-NAND Flash (With ECC)	SD
		1			0	Outer storage is SPI NOR Flash	SD
		1			1	Skipp SD Card, run SPI NOR Flash	
USB Device Mode in High speed	0					Support USB upgrade	USB
Secure Mode				0		Secure boot	
				1		Normal boot	
Boot Mode			0			SPI NOR boot	
			1			ROM boot.	
IC Default Status	1	1	1	1	0	ROM boot -->SPI NOR Flash	

Note 1 : Our IC only support the SPI-NAND Flash with ECC.

Note 2 : Skip SD Card means Rom Code don't detect SD Card that it can start faster.

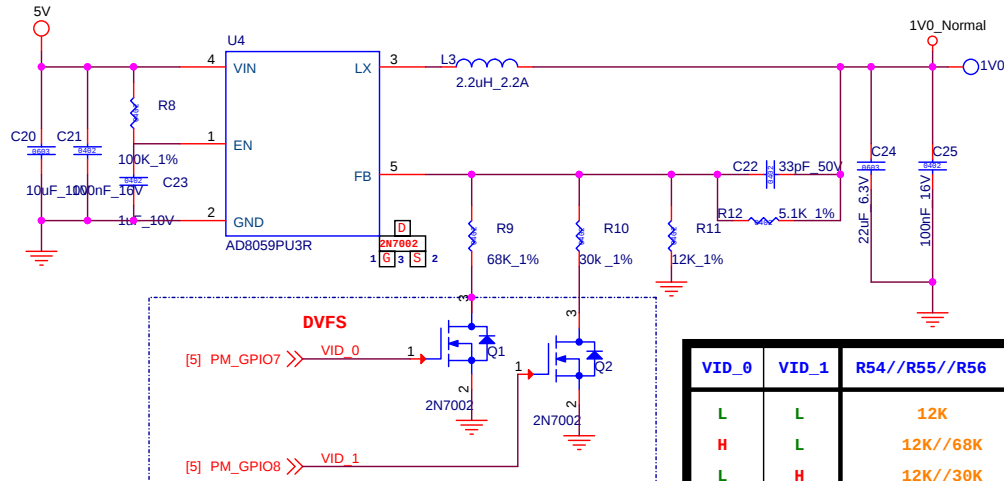


5V



$$4.96V = 0.6V * (1 + 120K / 16.5K)$$

1V0_Normal



DVFS

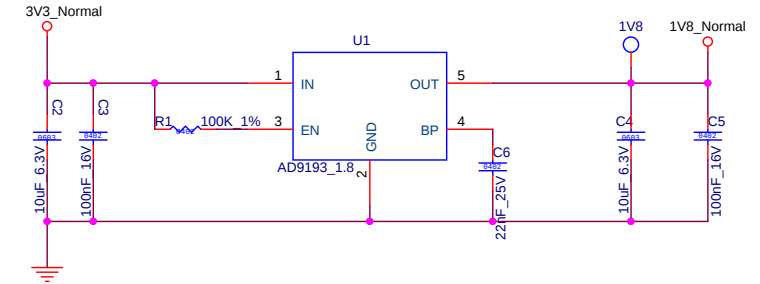
[5] PM_GPIO7 >> VID_0

[5] PM_GPIO8 >> VID_1

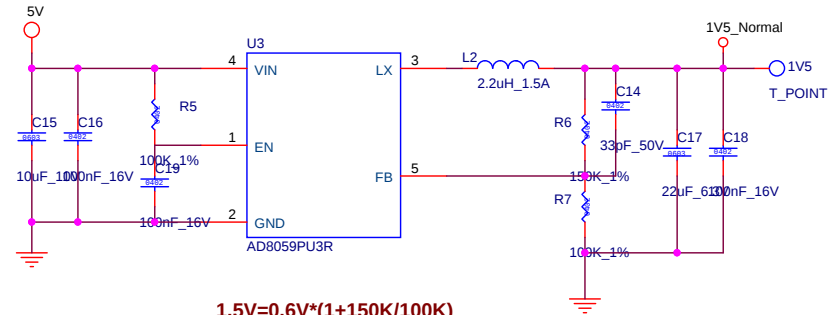
VID_0	VID_1	R54//R55//R56	1V0_VDD
L	L	12K	0.855V
H	L	12K//68K	0.900V
L	H	12K//30K	0.957V
H	H	12K//30K//68K	1.002V

Default :
VID 0 : H
VID 1 : H

1V8_Normal

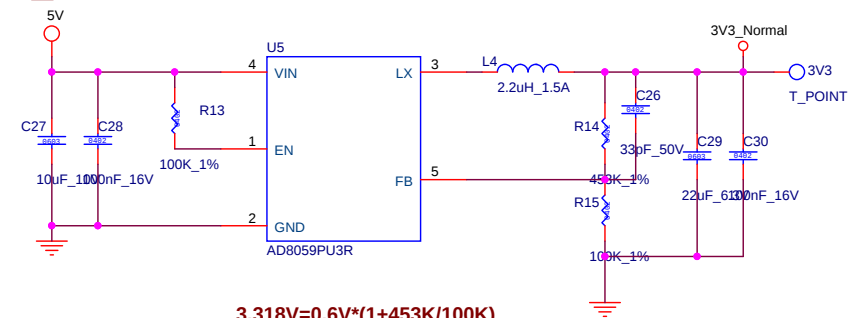


1V5_Normal

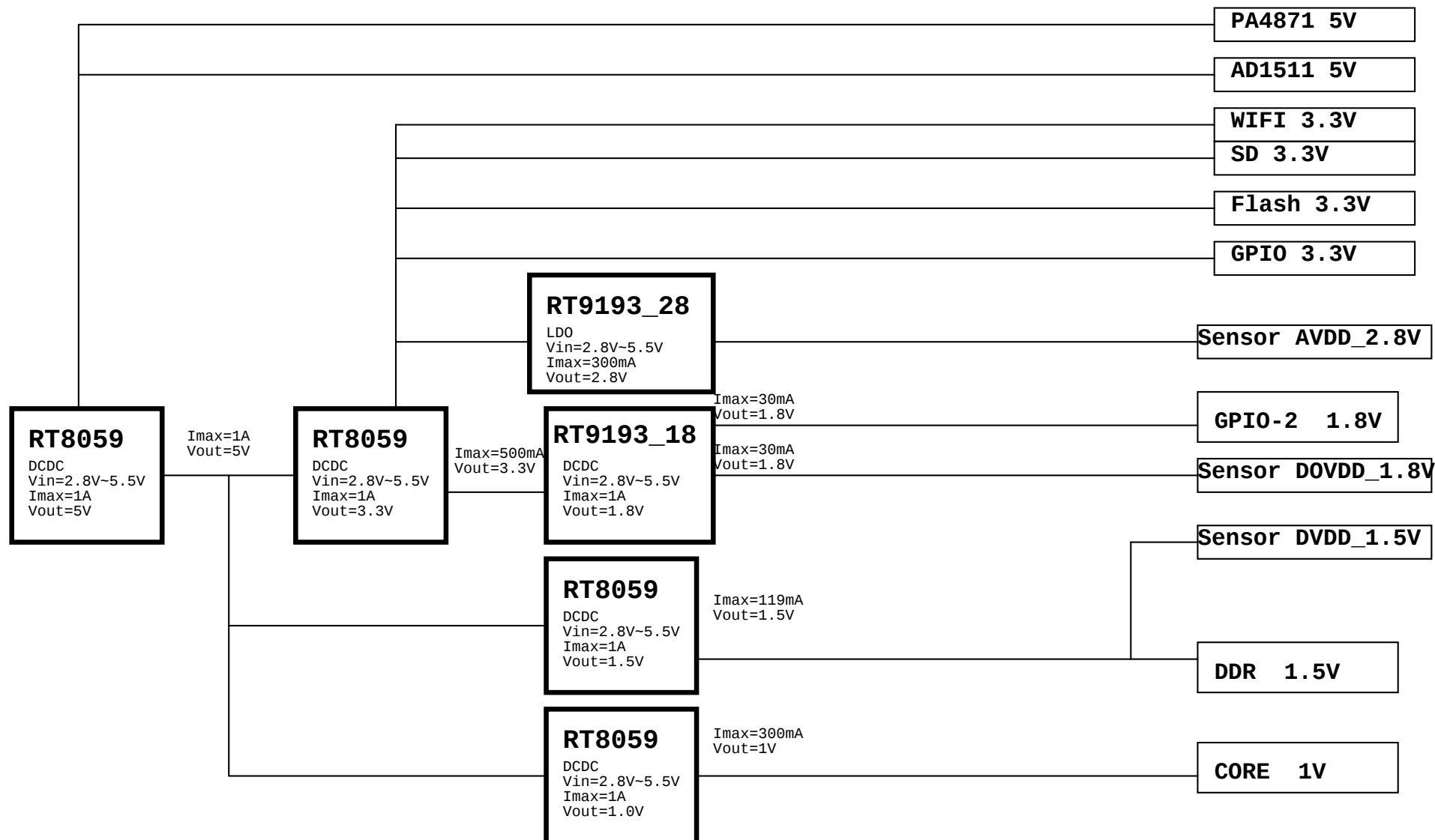


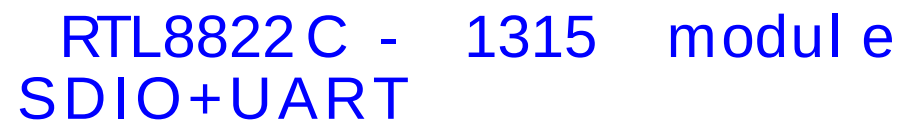
$$1.5V = 0.6V * (1 + 150K / 100K)$$

3V3_Normal

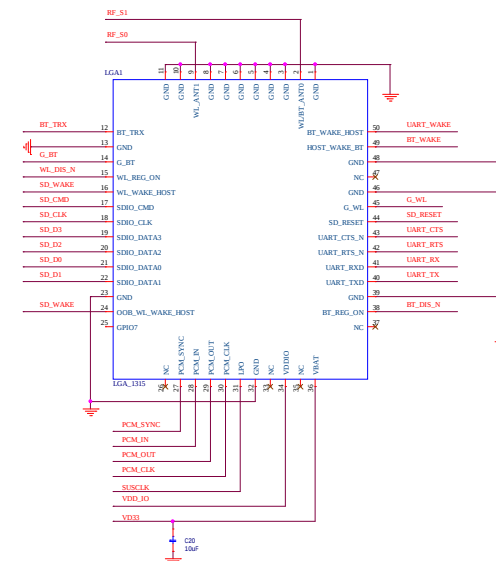


$$3.318V = 0.6V * (1 + 453K / 100K)$$





Pin Out (Based Module Side)



Note :

GPIO0~7 must have test pad or connect to pin output