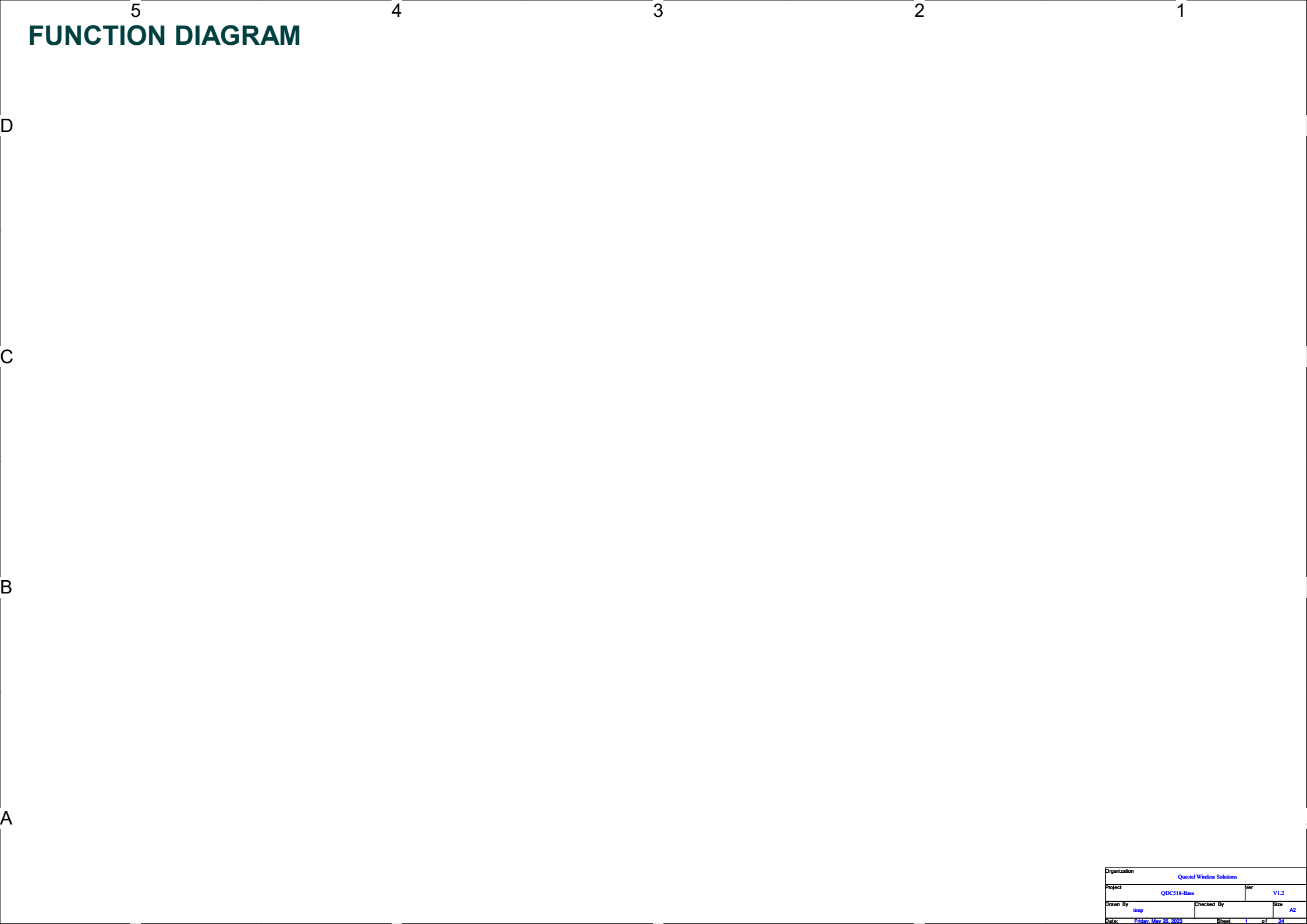
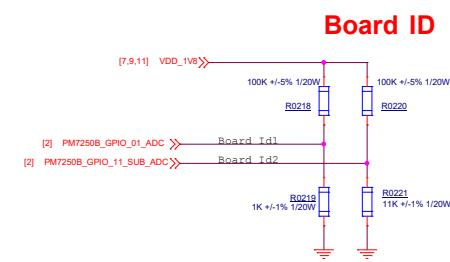
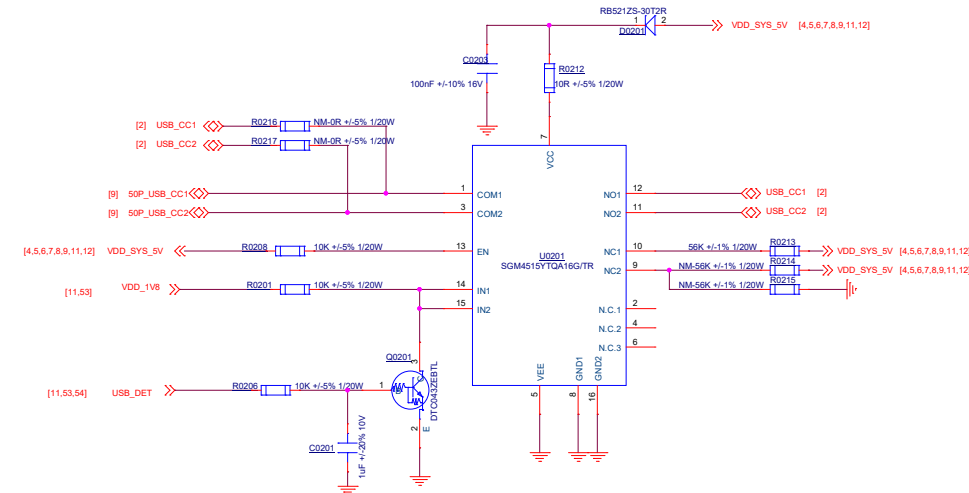
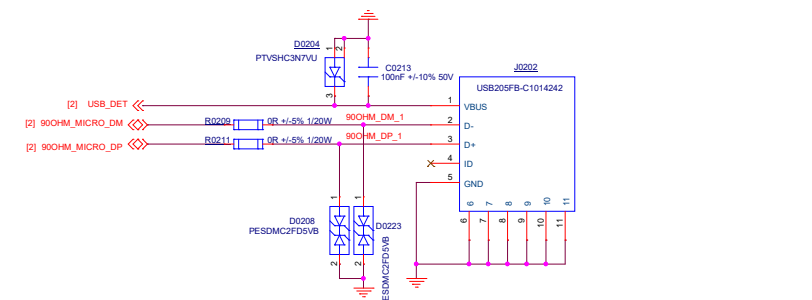
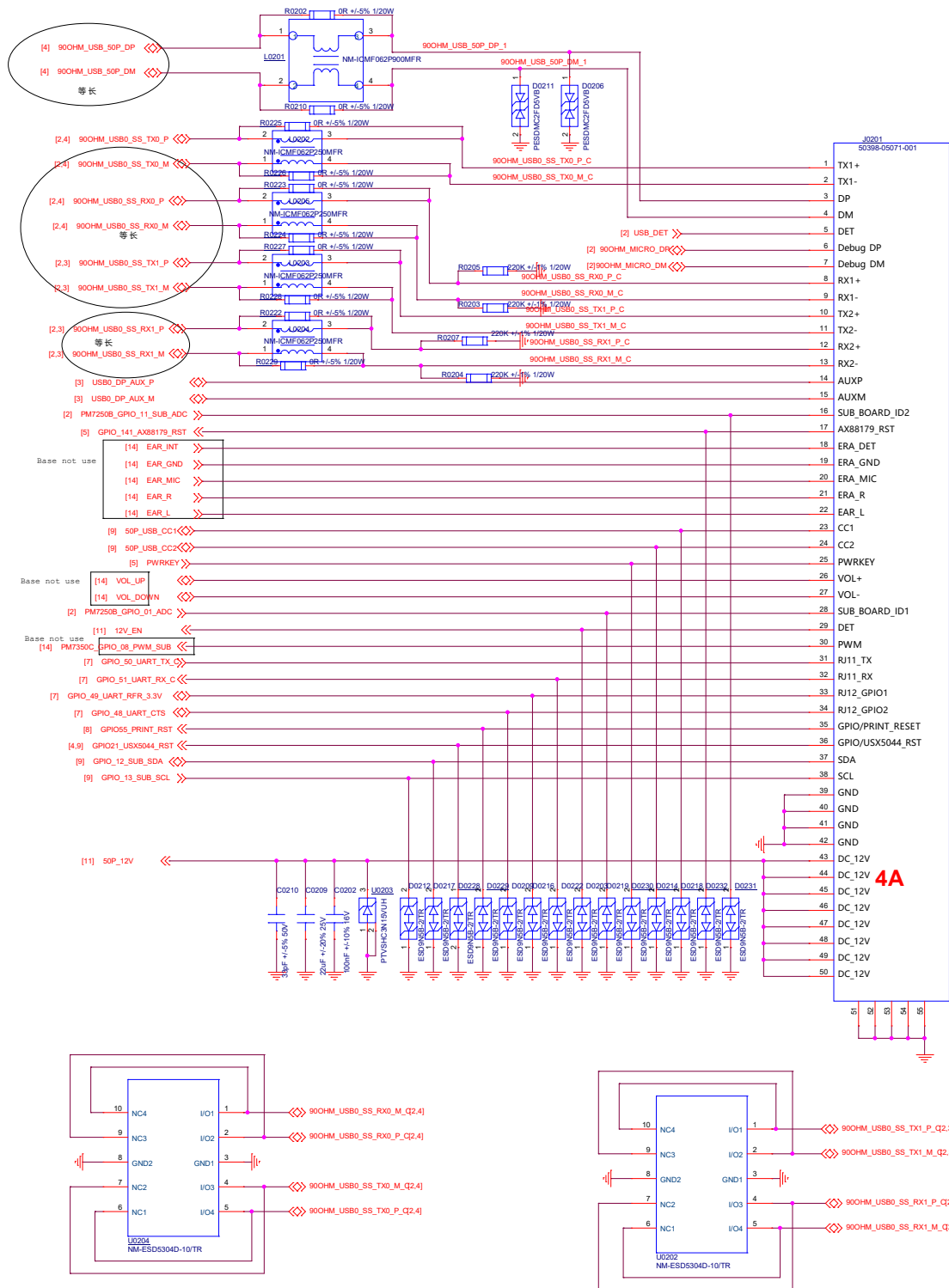


FUNCTION DIAGRAM



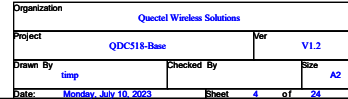
Organization			Quectel Wireless Solutions		
Project		QDC518-Base		Ver	V1.2
Drawn By		timp	Checked By		Size
Date:		Friday, May 28, 2023		Sheet	1 of 24

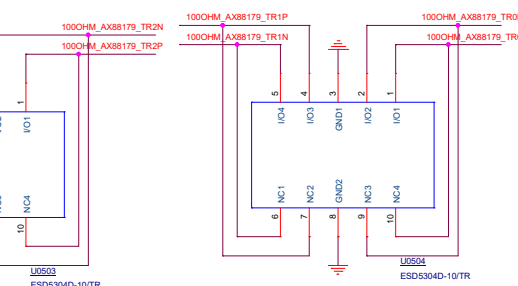
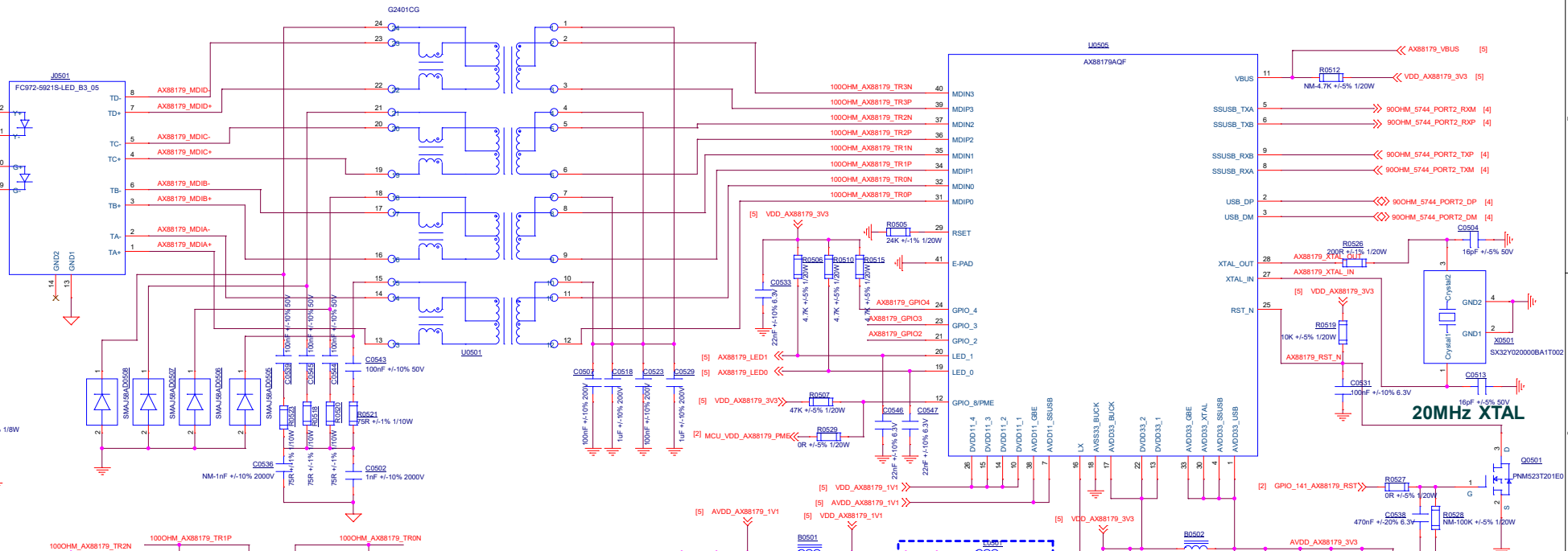
50P CONNECTOR⁵



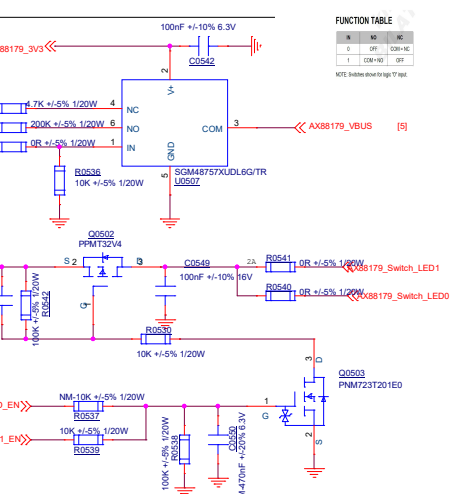
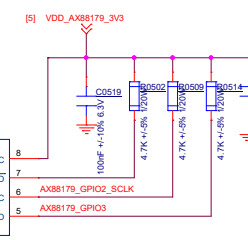
Organization			Quectel Wireless Solutions		
Project			QDC518-Base		Ver V1.2
Drawn By		Checked By		Size	
timp				A2	
Date: Friday, May 26, 2023			Sheet 2 of 24		

A



[illegible]

ADDRESS	Power consumption of CPU	Power consumption of memory	Power	Unit
System				
IDevice	Power consumption of AX88179A full loading (chip only)	1.1V	104.3	mA
		3.3V	90.5	mA

[illegible]

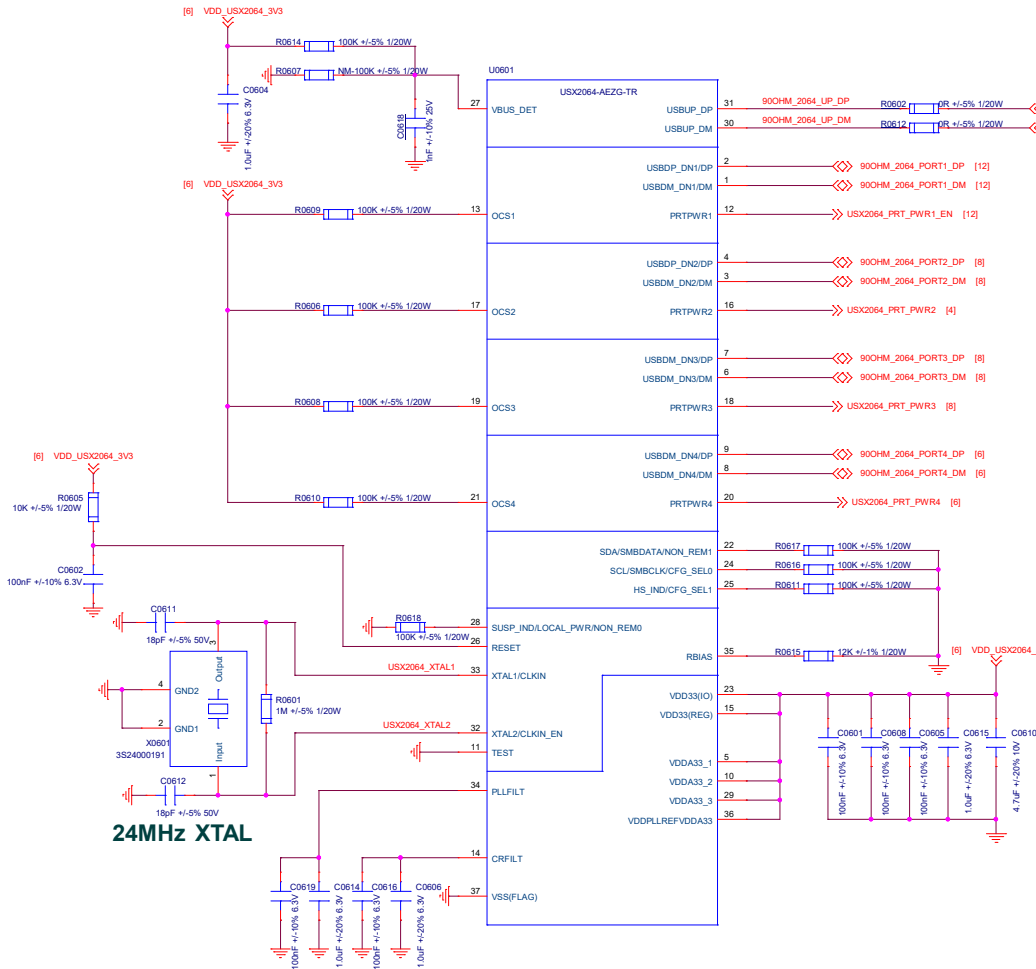
Organization		Quetel Wireless Solutions	
Project		QDC518-Base	Ver V1.2
Drawn By	Temp	Checked By	Size A2
Date:	Tuesday, July 11, 2023	Sheet	5 of 25

D

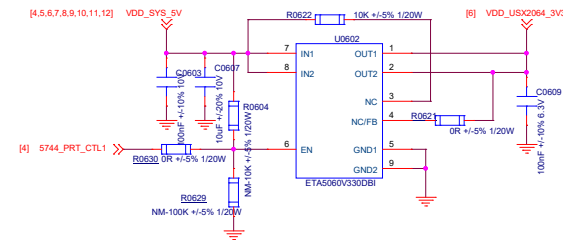
C

B

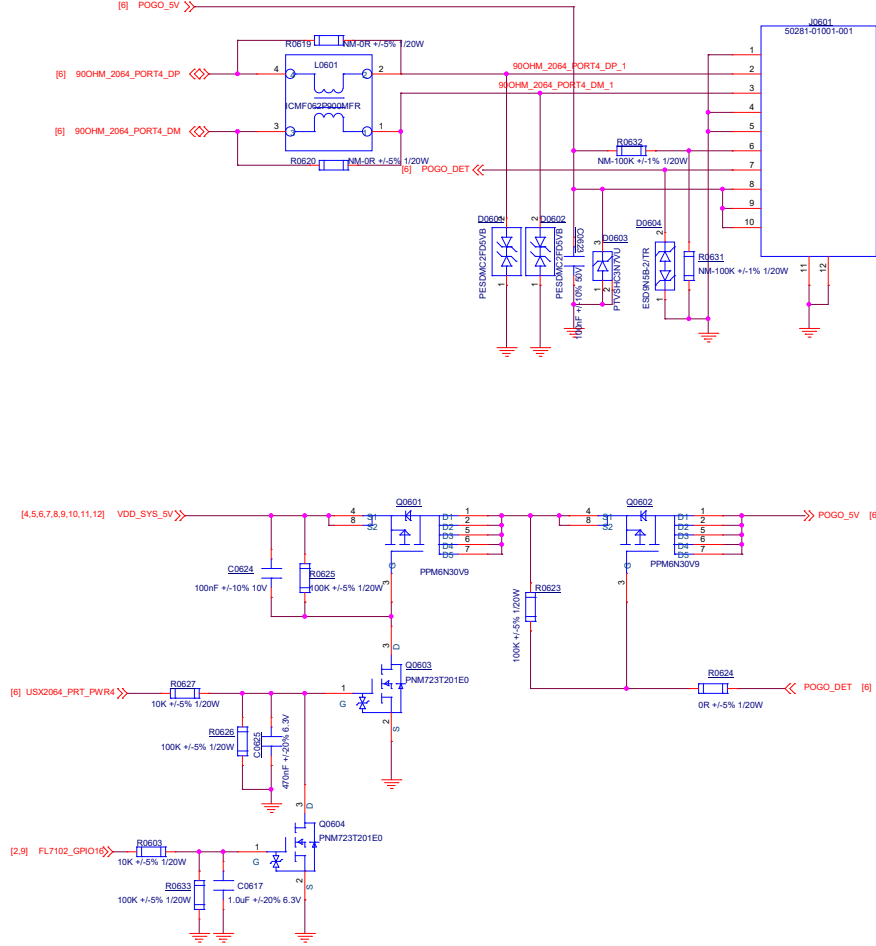
A



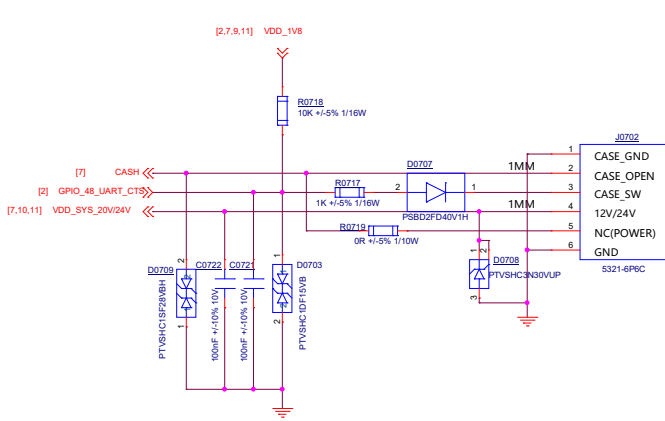
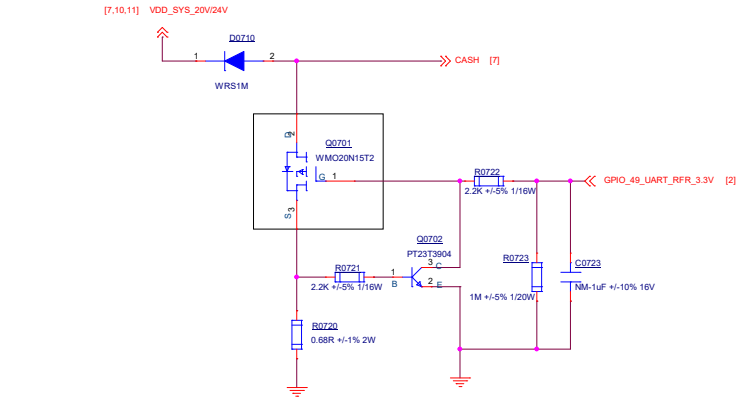
3V3 POWER



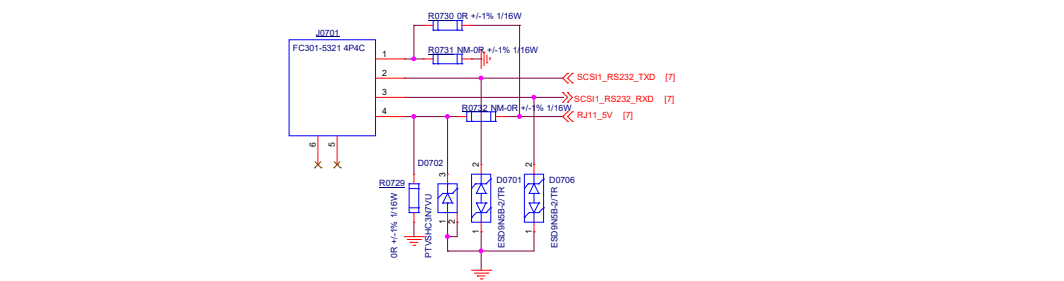
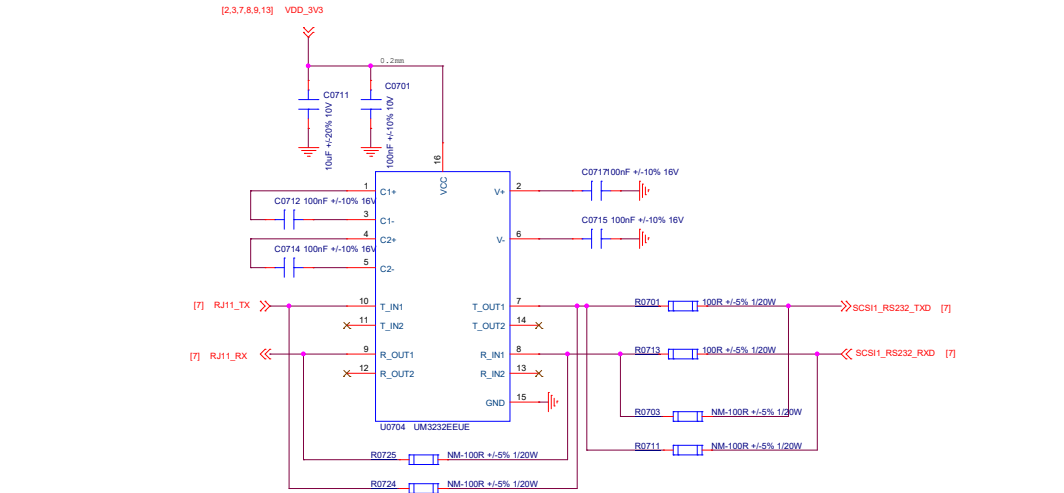
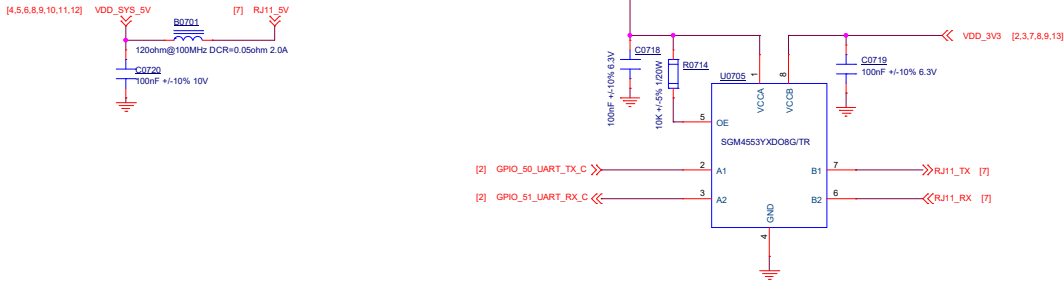
POGO



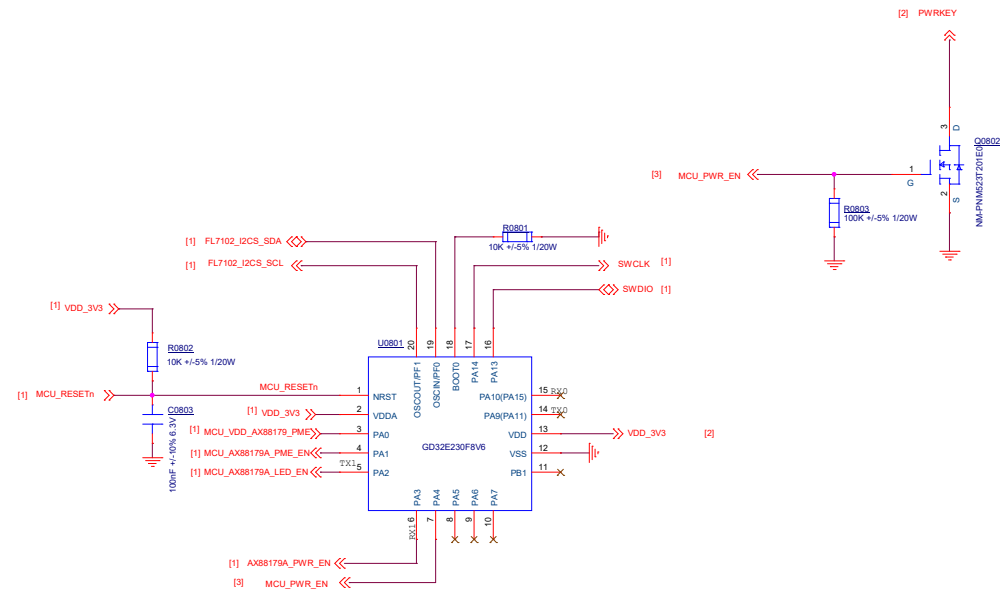
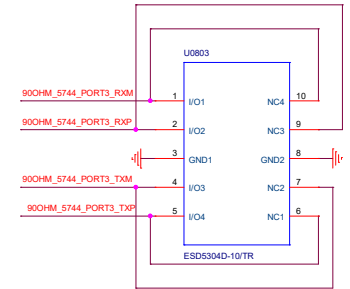
RJ12



RJ11



MCU



5

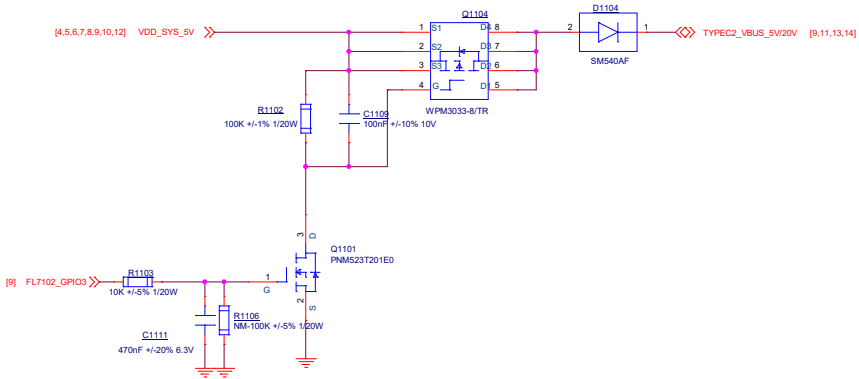
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3

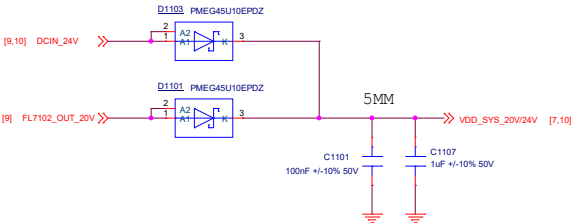
2

1

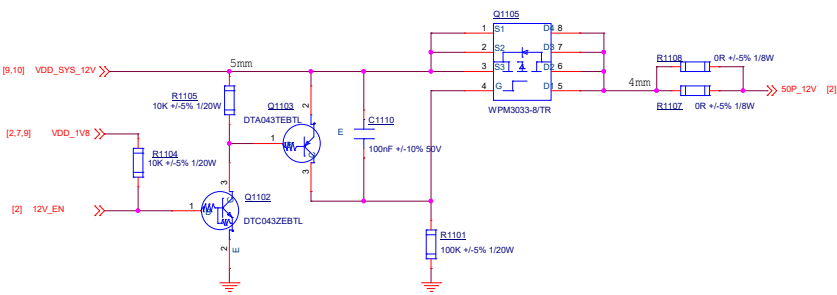
5V/4A OUT



DC20V & PD_IN SWITCH to SYS20V



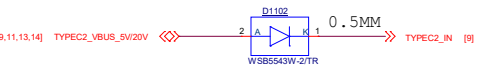
12V to 50P/12V



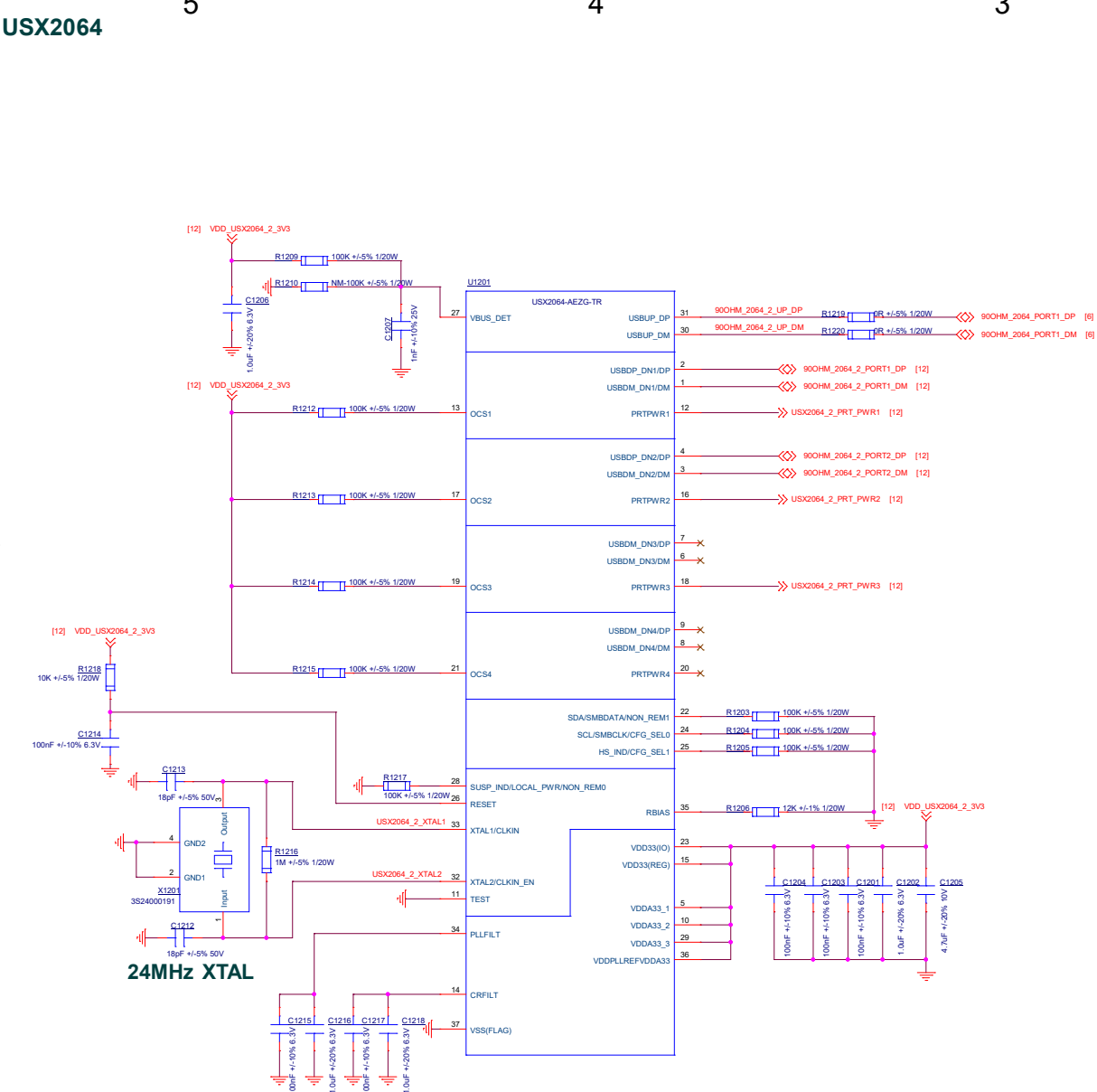
TYPEC2 PD_IN to MP

TYPEC2 IN

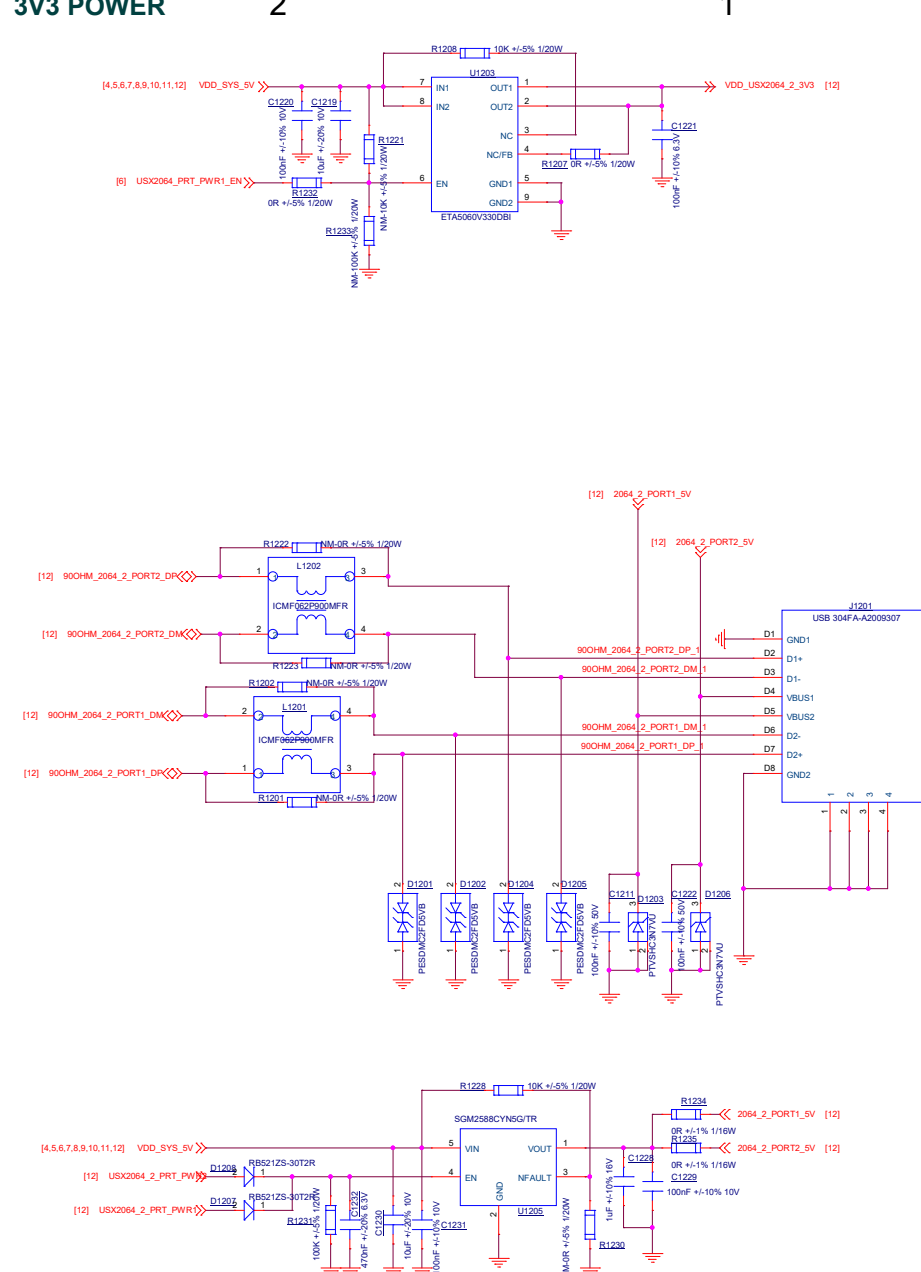
OUT 5V/20V



USX2064

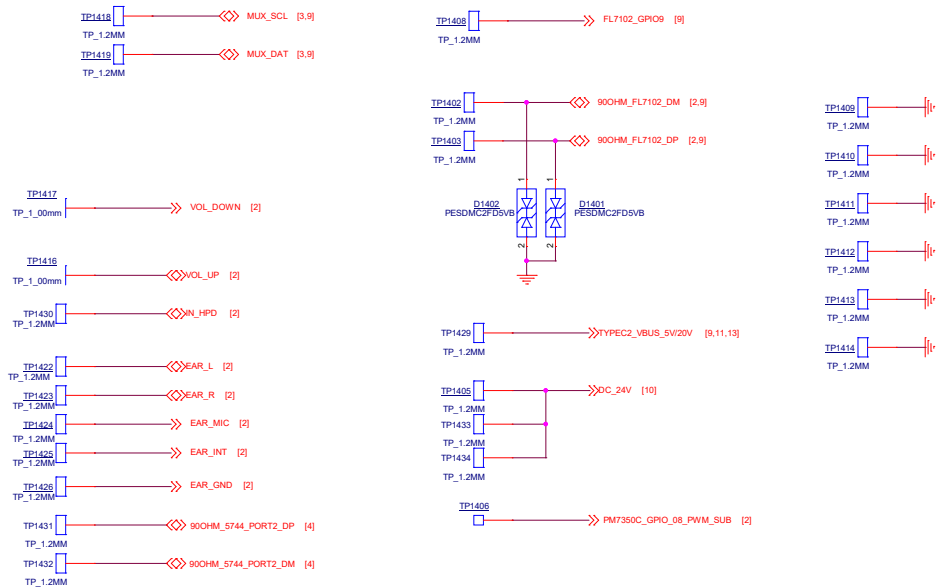


3V3 POWER



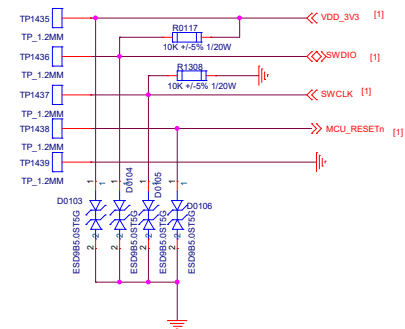
Organization				Qoecetel Wireless Solutions			
Project				QDC518-Base		Ver V1.2	
Drawn By			Checked By			Size	
Temp						A	
Date: Friday, May 26, 2023				Sheet 12 of 24			

D



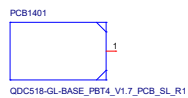
C

MCU

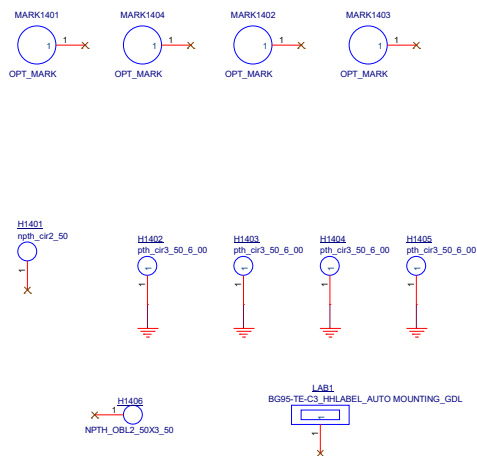


B

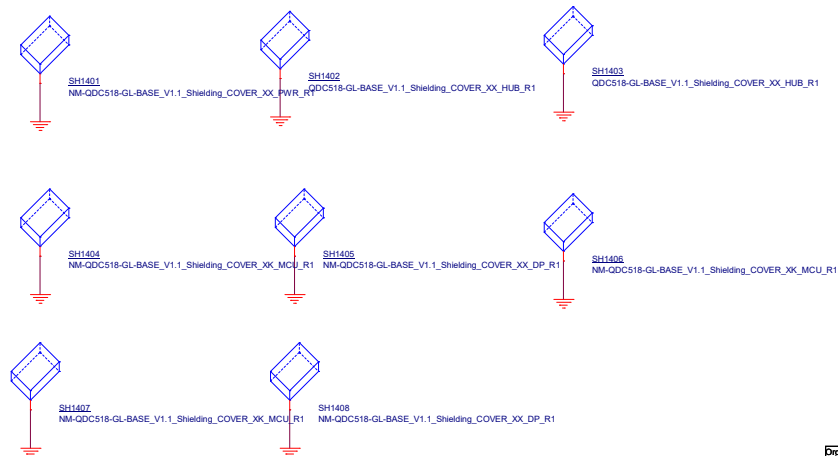
PCB



MARK



COVER



A