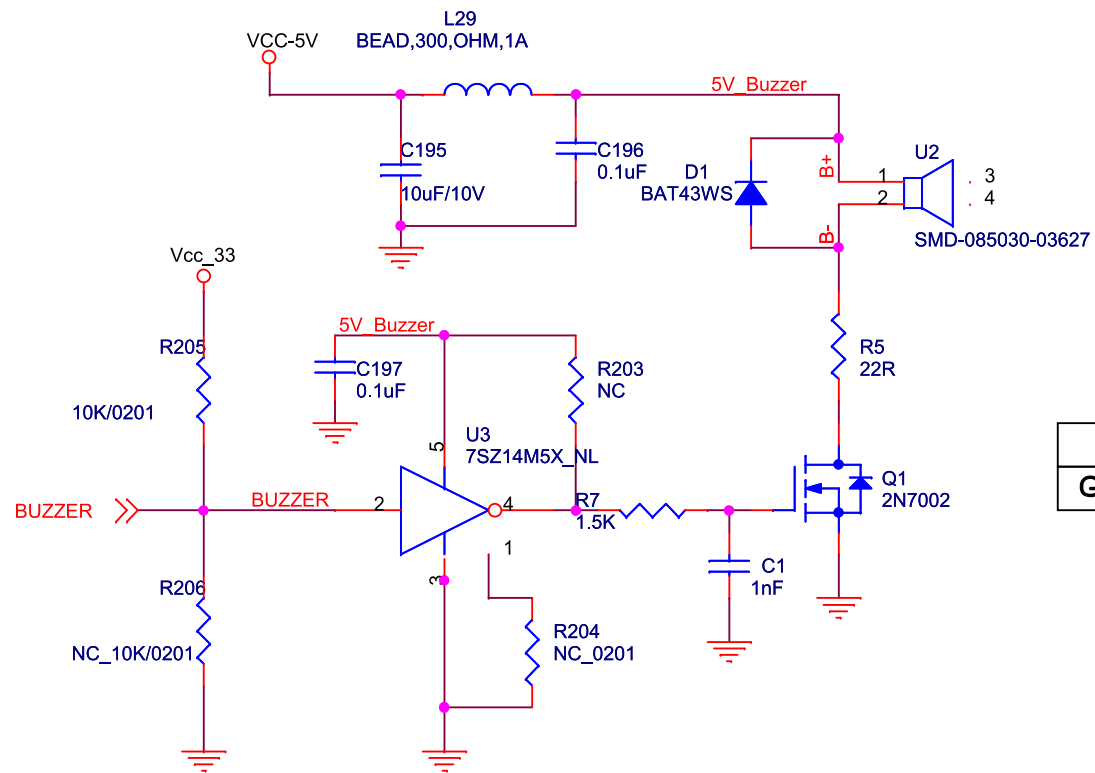
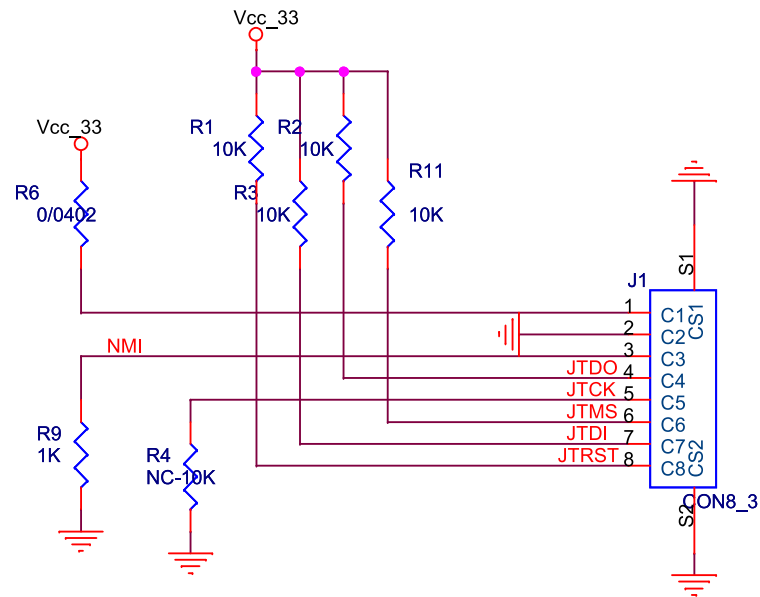




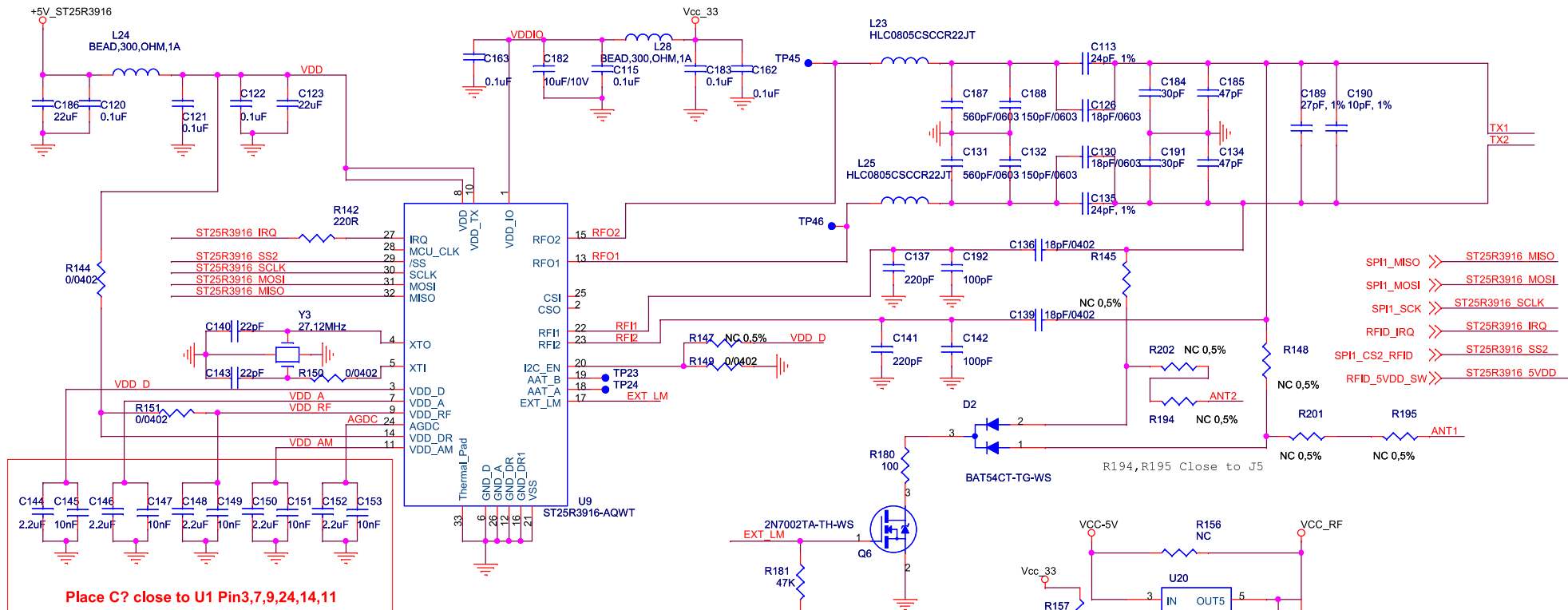
	D	
G	2N7002	S

Design By		GigiChen		Approve By		Kevin Chang	
Date		2021/07/07		Date		2021/07/07	
Title							
BUZZER							
Size	Document Number						Rev
	UIC680FGP main board(3161126000-R)						2
Uniform Industrial Corp.				Sheet 3 of 10			

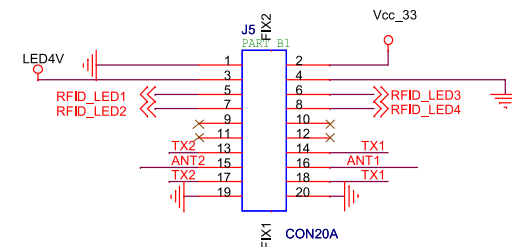
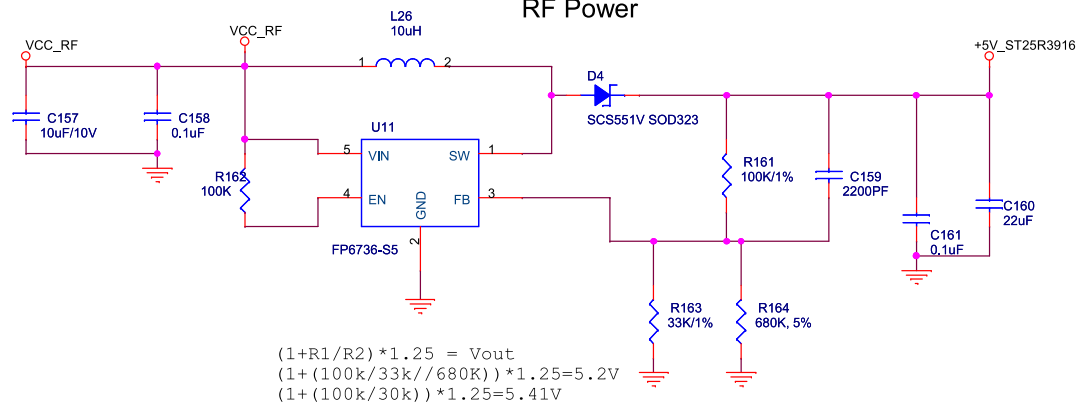
JTAG_TCK_SWCLK << JTCK
UTXD1 << JTDI
URXD1 << JTDO
JTAG_TMS_SWDIO << JTMS
JTAGSEL << NMI
JTAG_TRST << JTRST



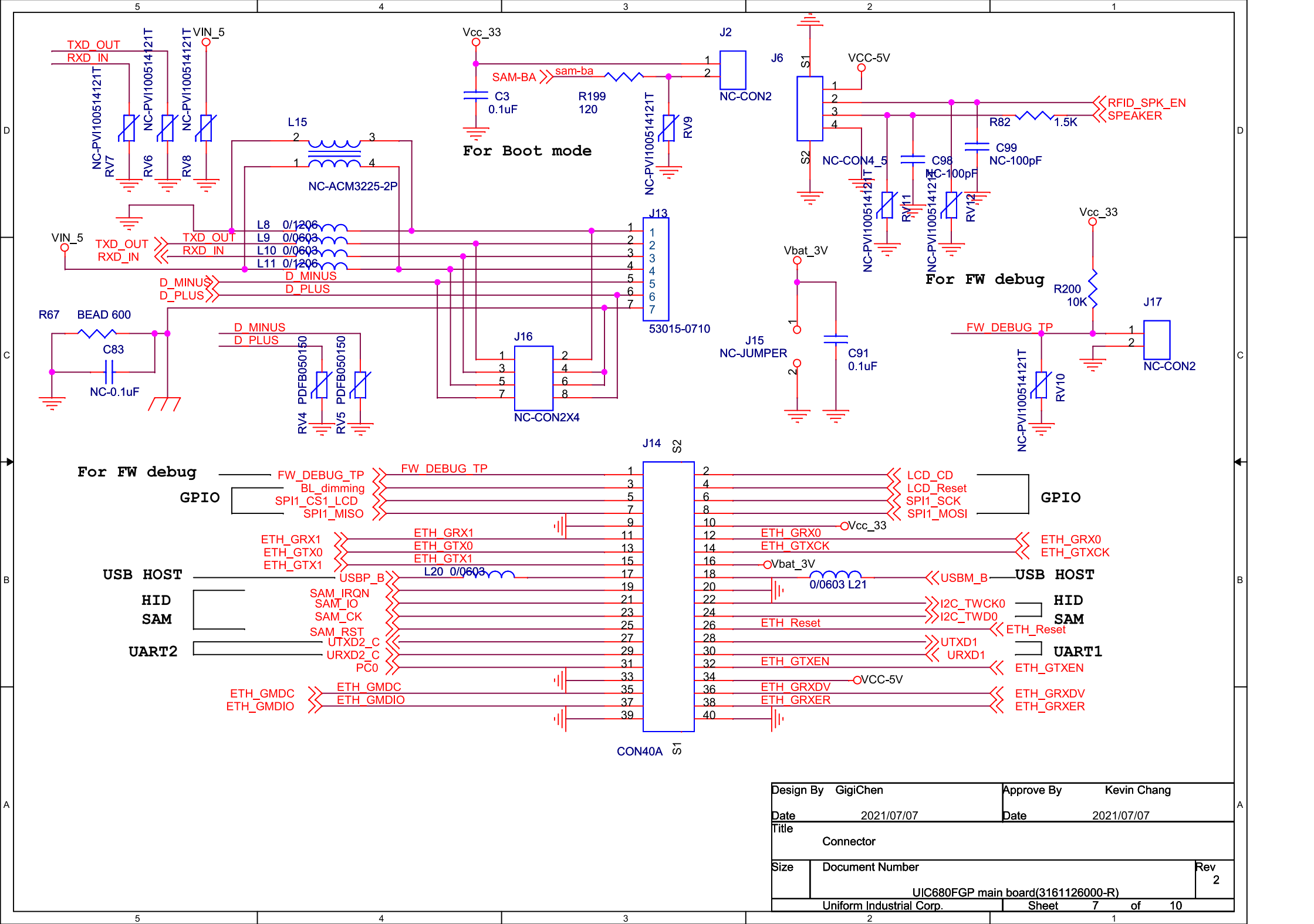
Design By		GigiChen		Approve By		Kevin Chang	
Date		2021/07/07		Date		2021/07/07	
Title							
JTAG							
Size	Document Number						Rev
	UIC680FGP main board(3161126000-R)						2
Uniform Industrial Corp.				Sheet 4 of 10			



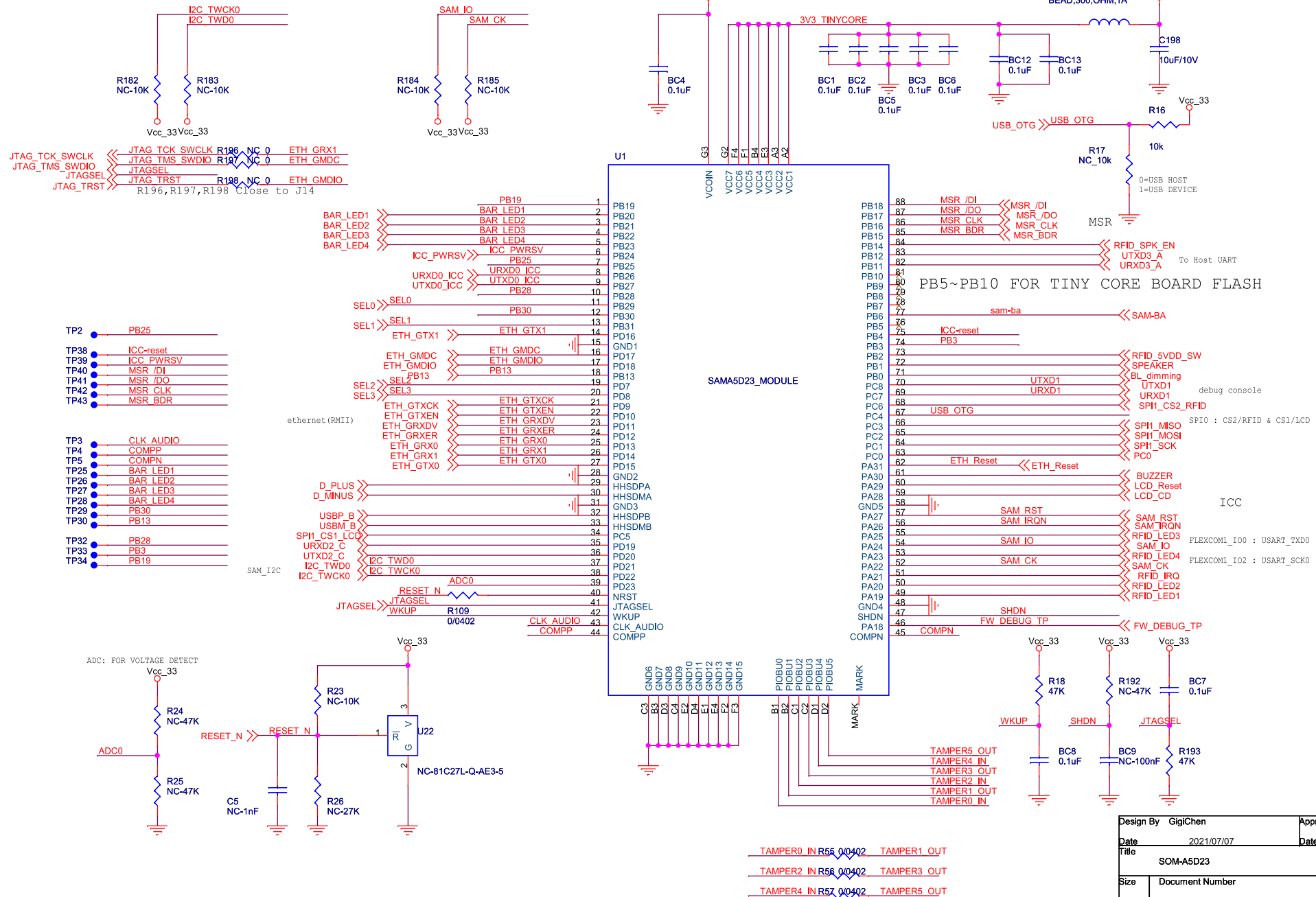
RF Power



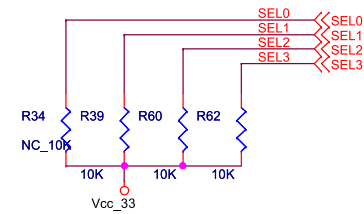
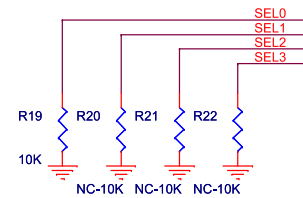
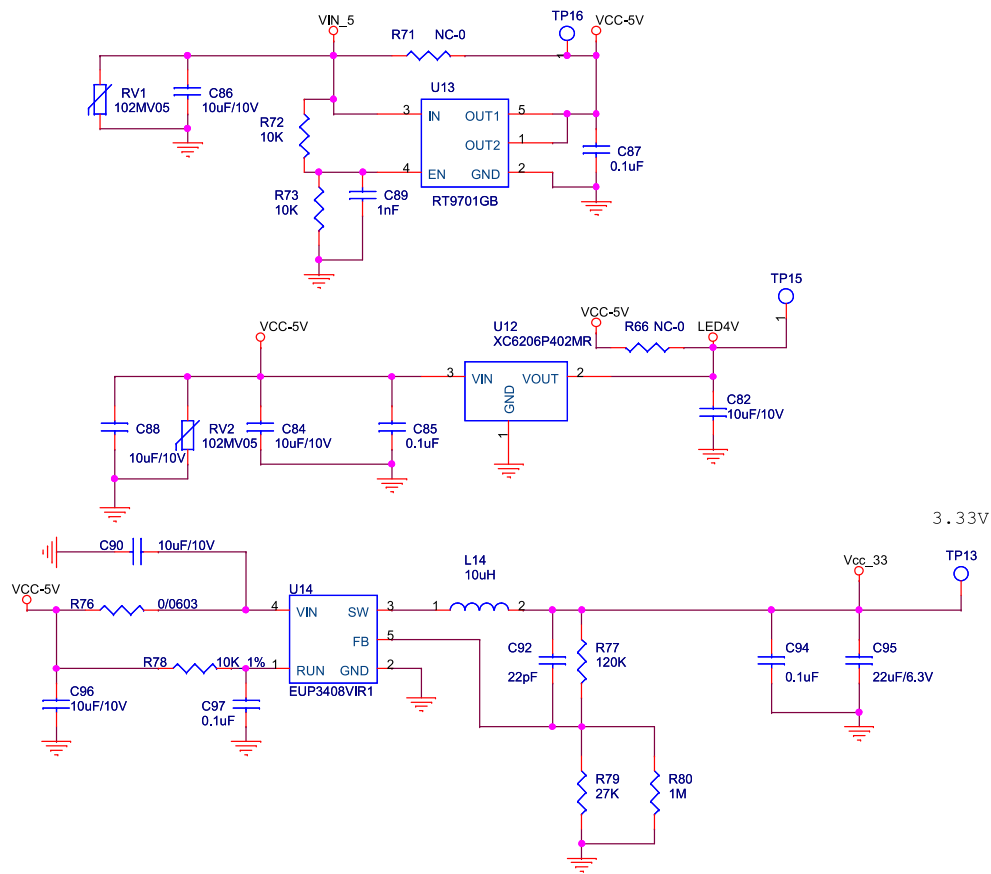
Design By	GigiChen	Approve By	Kevin Chang
Date	2021/07/07	Date	2021/07/07
Title			
ST39160-RFID			
Size			
Document Number			
UIC680FGP main board(3161126000-R)			
Uniform Industrial Corp.			
Sheet 5 of 10			



I2C & USART (to SAM board)



Design By		GigiChen		Approve By		Kevin Chang	
Date		2021/07/07		Date		2021/07/07	
Title							
SOM-A5D23							
Size	Document Number						Rev
							2
UIC680FGP main board(3161126000-R)							
Uniform Industrial Corp.				Sheet 8 of 10			



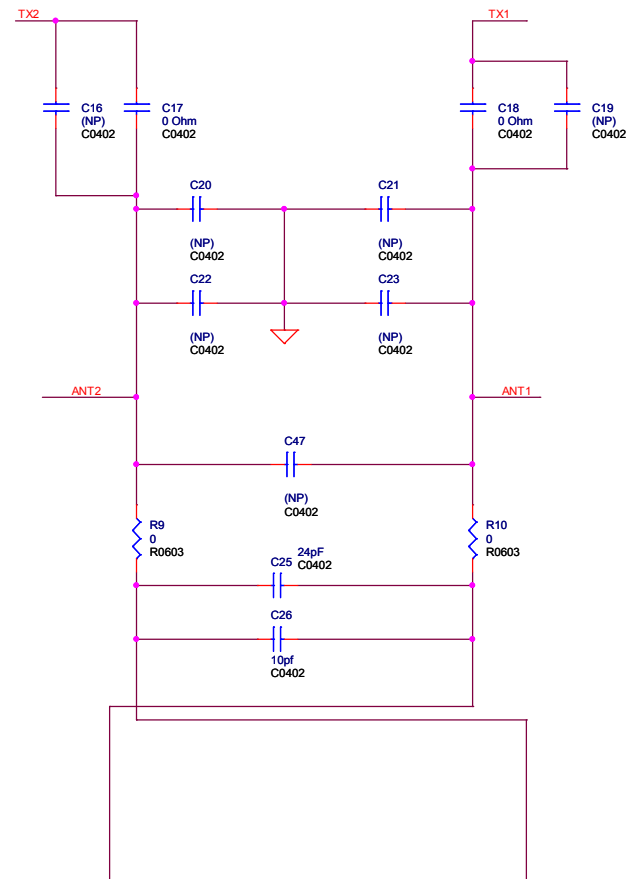
HW Ver	R19	R34	R20	R39	R21	R60	R22	R62
1	NC	10K	NC	10K	NC	10K	NC	10K
2	10K	NC	NC	10K	NC	10K	NC	10K
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

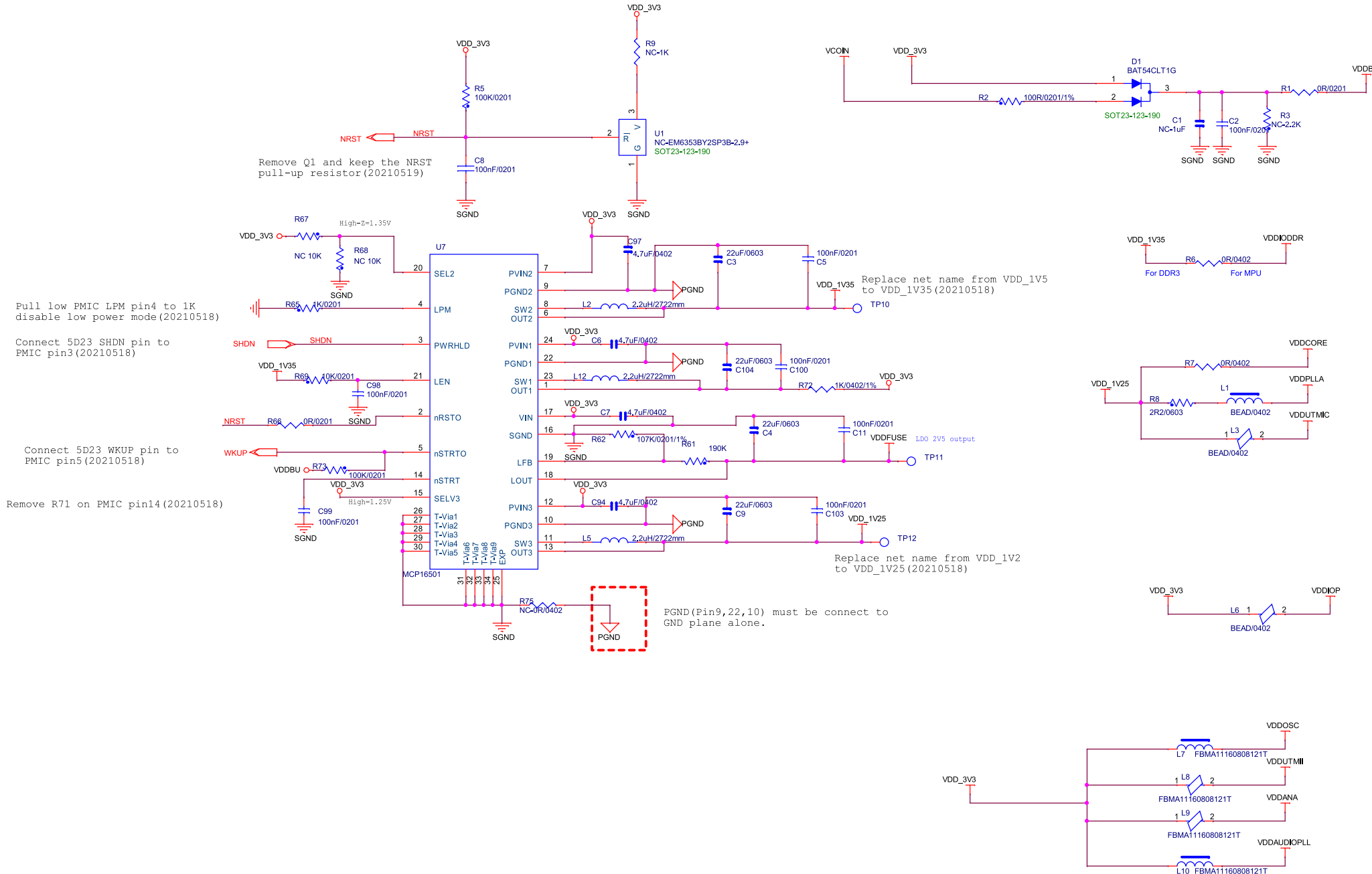
Design By	GigiChen	Approve By	Kevin Chang
Date	2021/07/07	Date	2021/07/07
Title	Power, ID Define Table		
Size	Document Number	Rev 2	
UIC680FGP main board(3161126000-R)		Sheet 9 of 10	
Uniform Industrial Corp.			

Revision History :

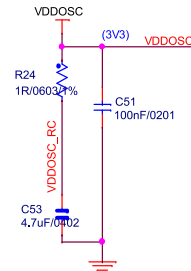
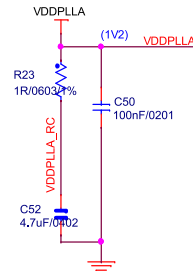
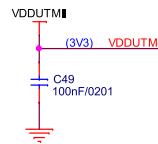
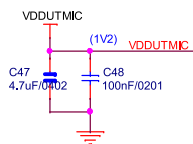
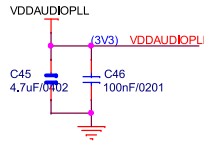
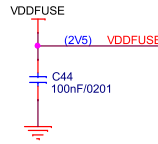
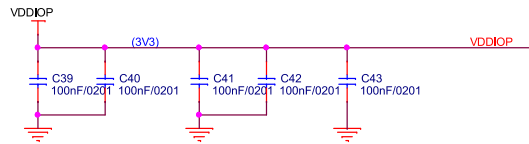
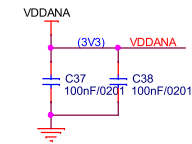
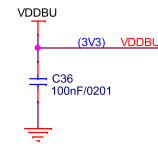
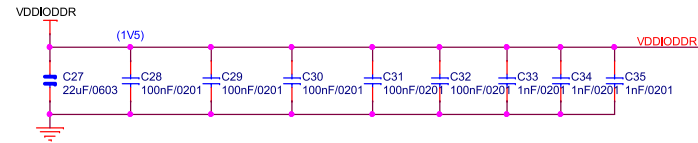
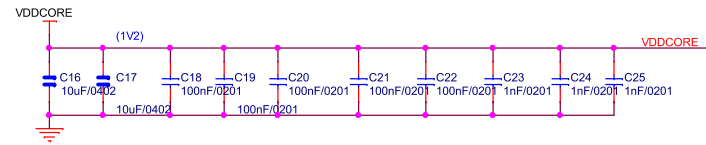
Rev.	Description	Editor	Date
1	New Design	Kevin Chang	2021/5/6
2	Add R19 and Remove R34, Add R204,R205,R206 for buffer IC	Kevin Chang	2021/7/7

Design By		GigiChen		Approve By		Kevin Chang	
Date		2021/07/07		Date		2021/07/07	
Title							
Revision History							
Size	Document Number						Rev
	UIC680FGP main board(3161126000-R)						2
Uniform Industrial Corp.				Sheet		10 of 10	

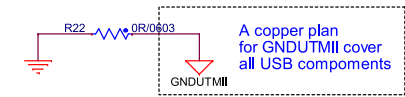
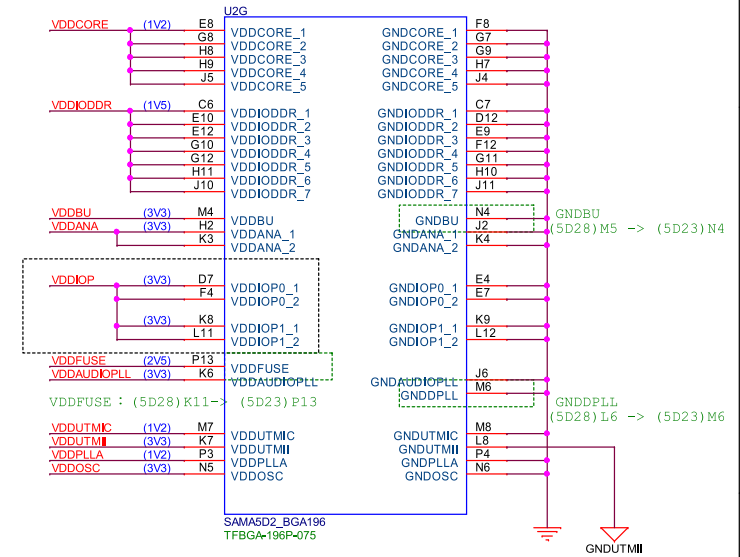




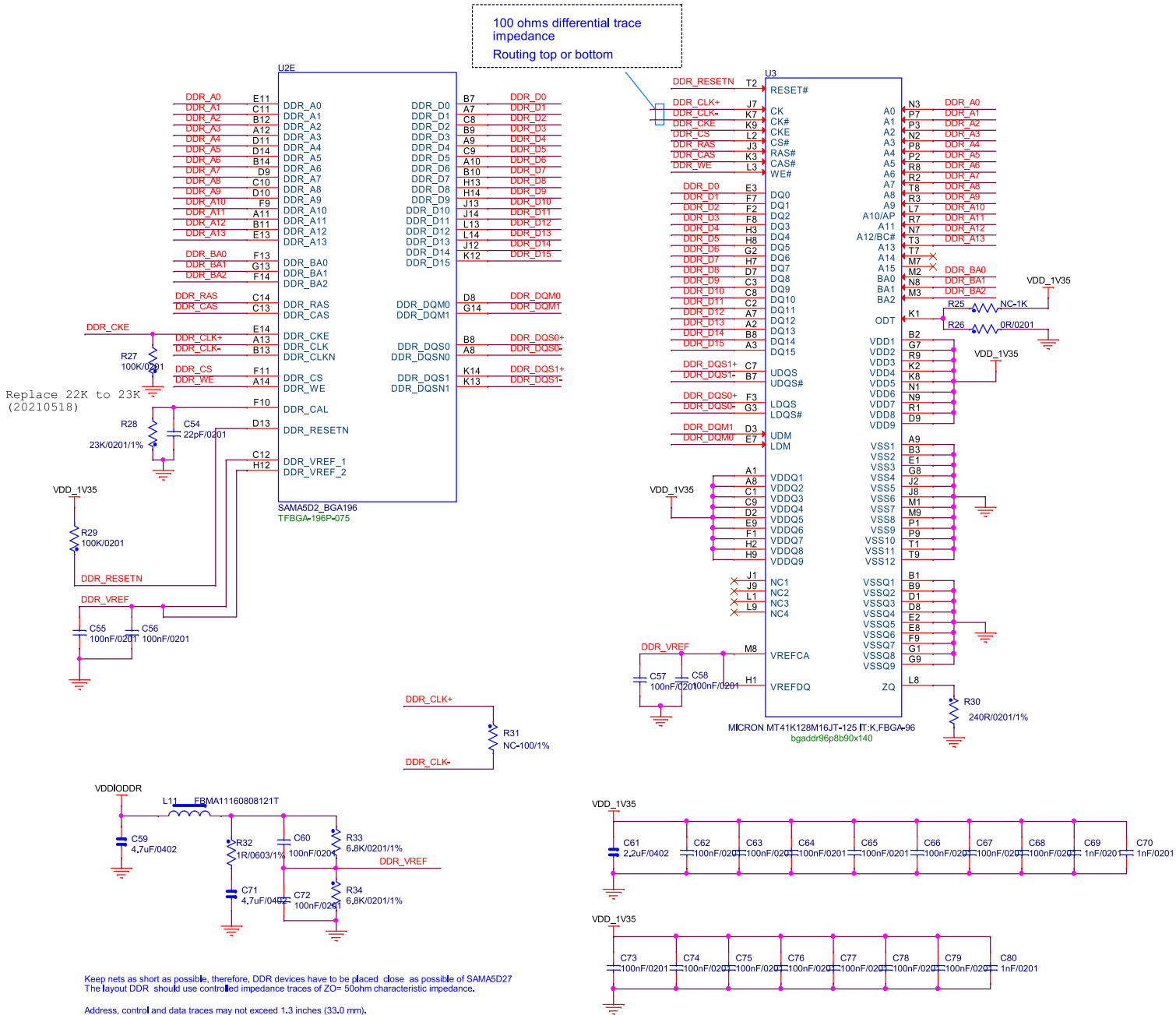
Design By	Gigi Chen	Approve By	Kevin Chang
Date	2021/05/17	Date	2021/05/17
Title	04 PMIC MCP16501TA		
Size	Document Number	Rev 1	
	Tiny Core module(3161xxx)		
	Uniform Industrial Corp.	Sheet	4 of 12



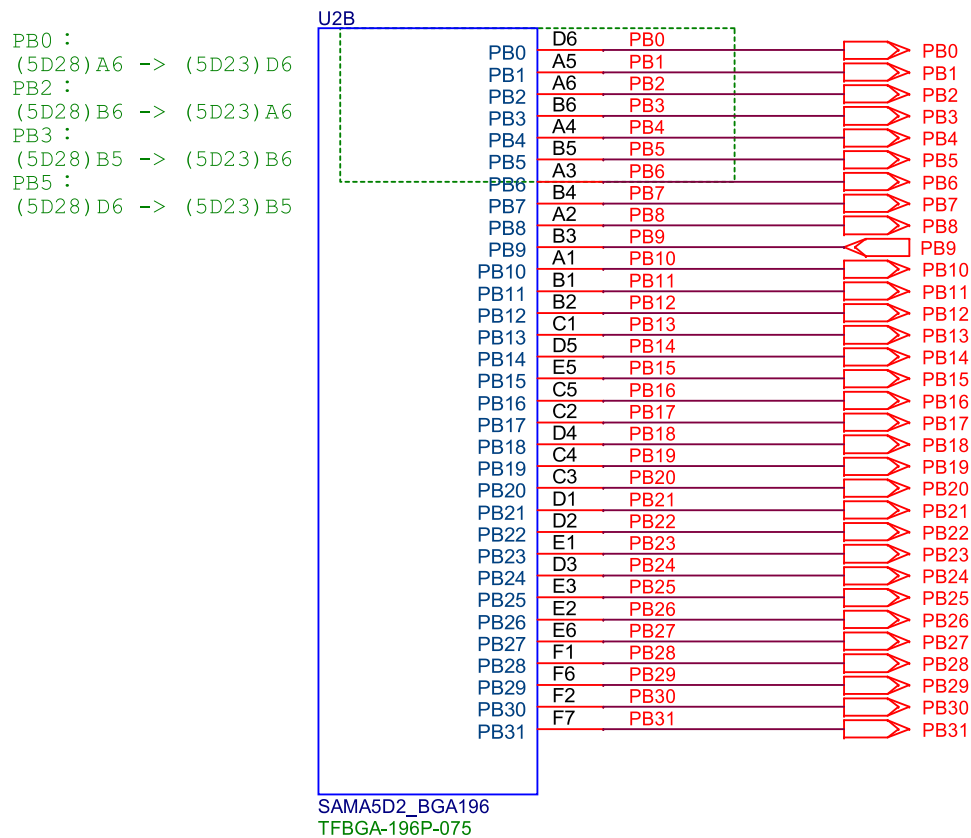
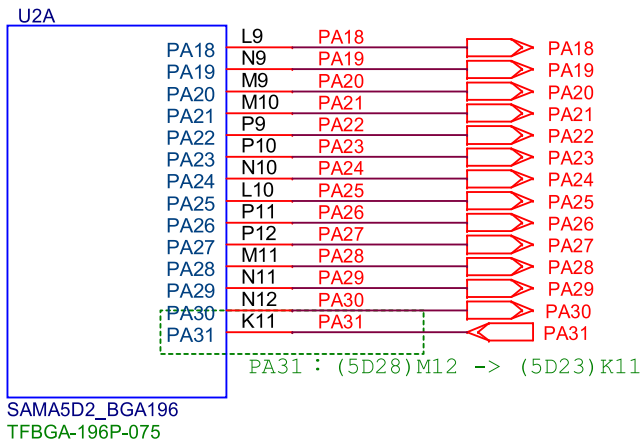
All 100nF 0402 capacitors close to the Pin of VDD***.



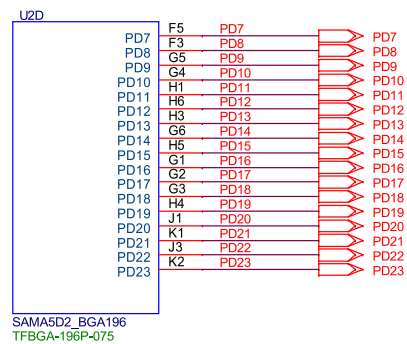
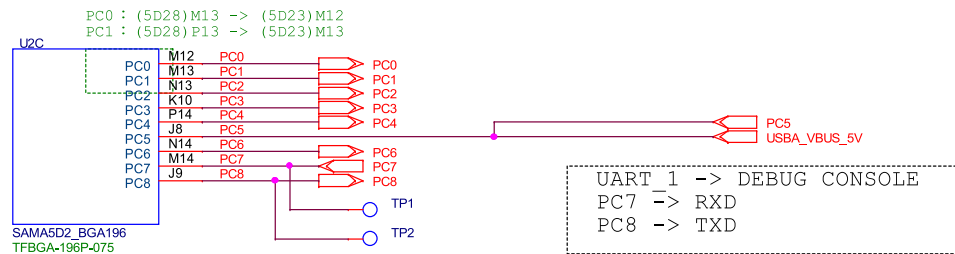
Design By	Gigi Chen	Approve By	Kevin Chang
Date	2021/05/17	Date	2021/05/17
Title	05 SAMA5D23C - Power		
Size	Document Number	Rev 1	
Tiny Core module(3161xxx)		Sheet 5 of 12	
Uniform Industrial Corp.		1	



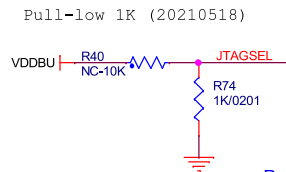
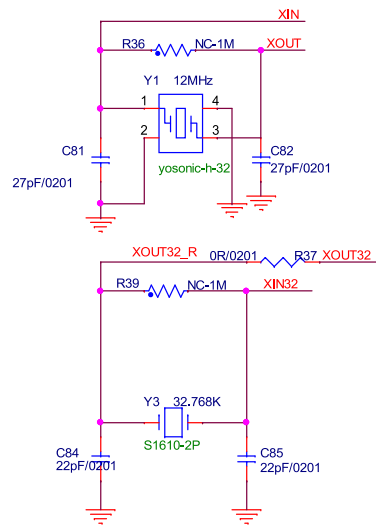
Design By	Gigi Chen	Approve By	Kevin Chang
Date	2021/05/17	Date	2021/05/17
Title	06 SAMA5D23C - DDR3		
Size	Document Number	Rev 1	
Uniform Industrial Corp.		Tiny Core module(3161xxxx)	
Sheet		6 of 12	



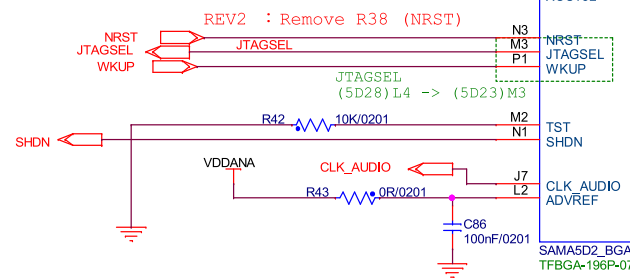
Design By	Gigi Chen	Approve By	Kevin Chang
Date	2021/05/17	Date	2021/05/17
Title			
07 SAMA5D23C - PIOA & PIOB			
Size	Document Number		Rev
	Tiny Core module(3161xxxx)		1
Uniform Industrial Corp.		Sheet	7 of 12



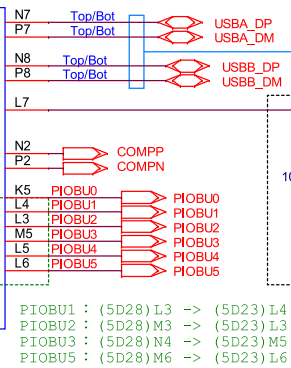
Design By	Gigi Chen	Approve By	Kevin Chang
Date	2021/05/17	Date	2021/05/17
Title 08 SAMA5D23C - PIOC & PIOD			
Size	Document Number		
Tiny Core module(3181xxxx)			
Uniform Industrial Corp.		Sheet	8 of 12
Rev 1			



Routing top or bottom



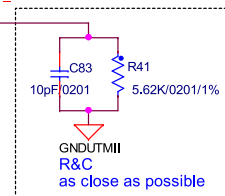
SYS

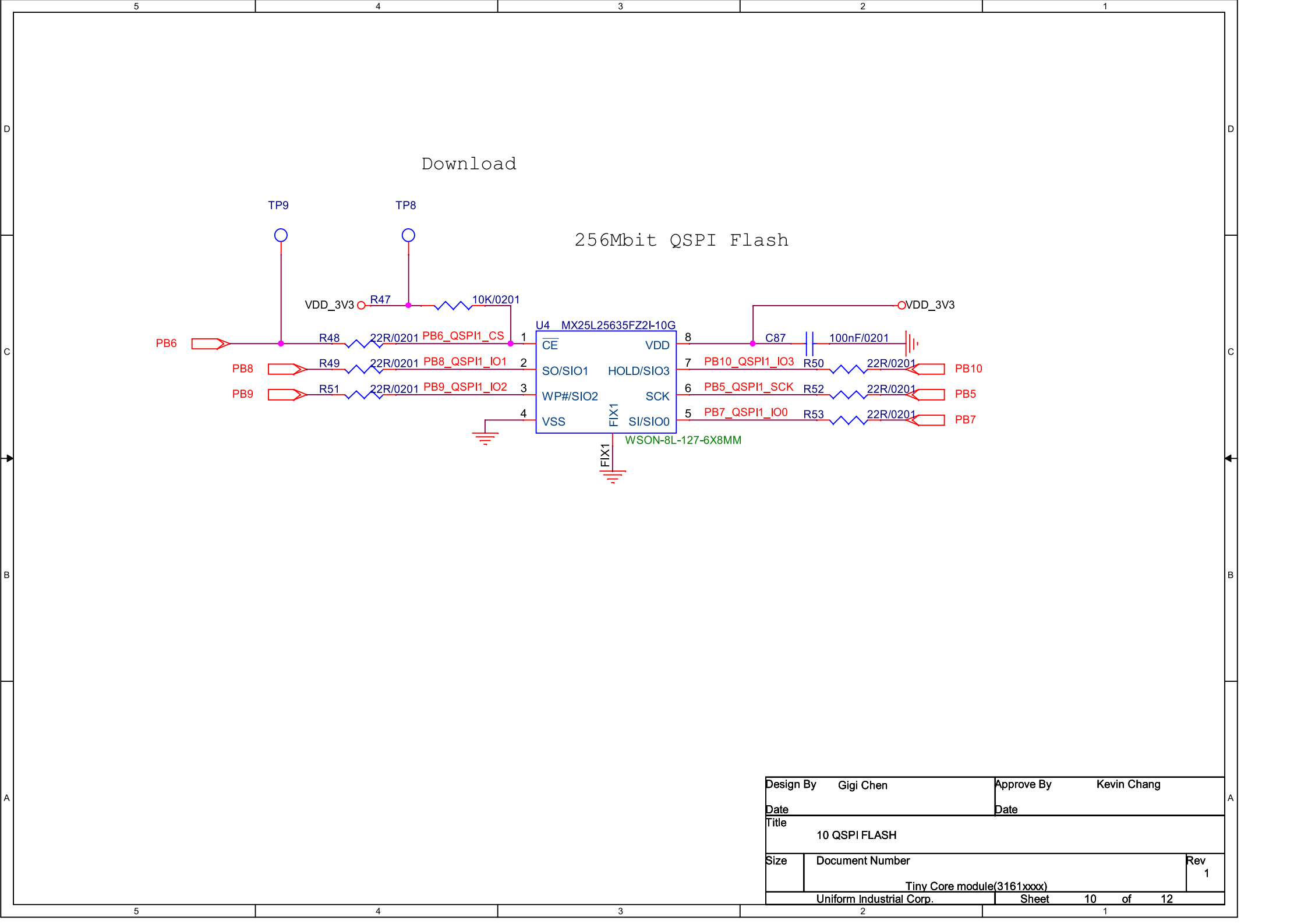


Routing USB

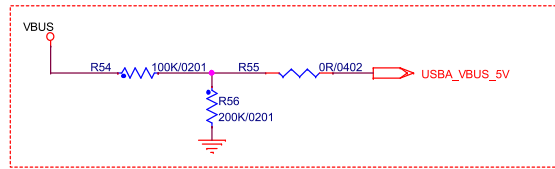
Max trace-length mismatch between USB signals pairs should be no greater than 3.8mm

90 ohms differential trace impedance

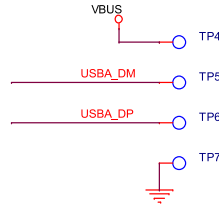
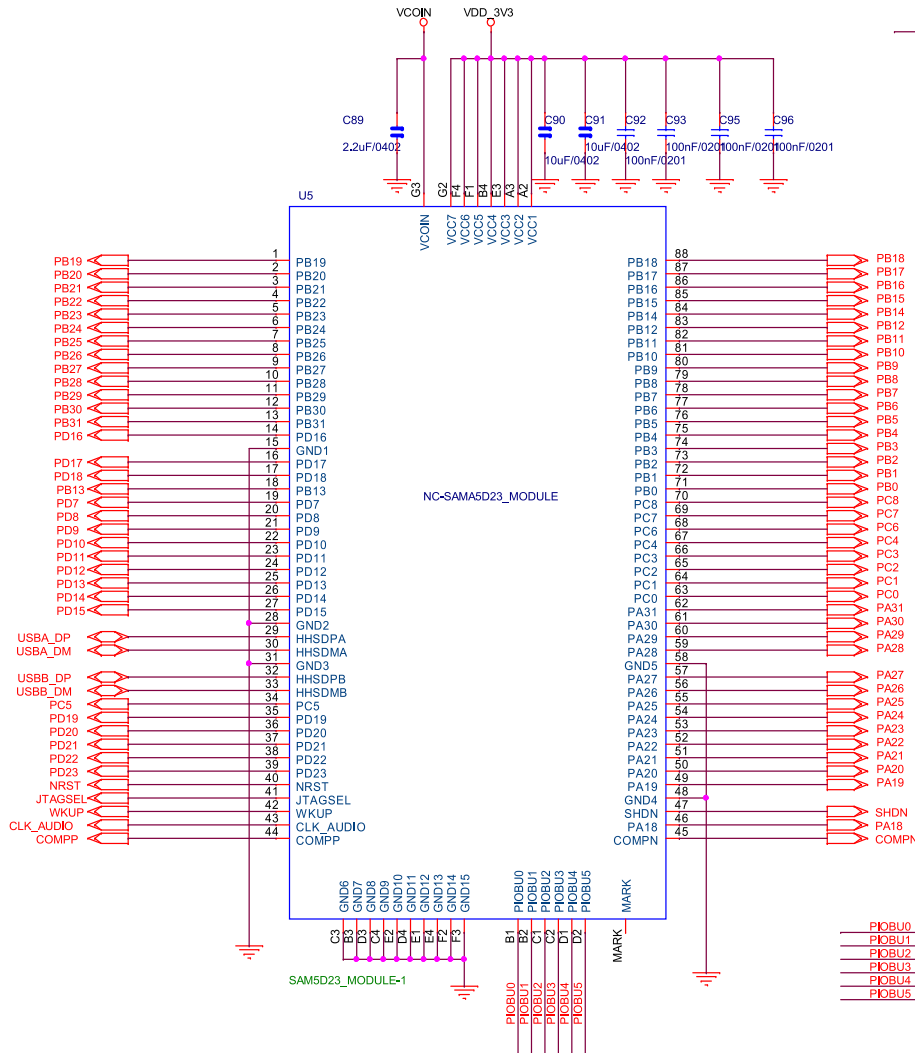




Design By		Gigi Chen		Approve By		Kevin Chang	
Date				Date			
Title		10 QSPI FLASH					
Size	Document Number					Rev	
	Tiny Core module(3161xxxx)					1	
Uniform Industrial Corp.				Sheet		10	of 12



REV2 : Remove C88



Design By	Gigi Chen	Approve By	Kevin Chang
Date	2021/05/17	Date	2021/05/17
File	11 CONNECTOR		
Size	Document Number	Rev 1	
Tiny Core module(3161xxxx)		Sheet 11 of 12	
Uniform Industrial Corp.			

Revision History

DATE	REVISION	DESCRIPTION
20210517	Tiny Core Board/Rev1	New PMIC on MicroChip "MCP16501TA".

Design By	Gigi Chen	Approve By	Kevin Chang
Date	2021/05/17	Date	2021/05/17
Title 12 Revision History			
Size	Document Number		
	Tiny Core module(3181xxxx)		
Uniform Industrial Corp.		Sheet	12 of 12