

# Mini-G0020-OB

MiniBoard | MB109 | Rev 1.0

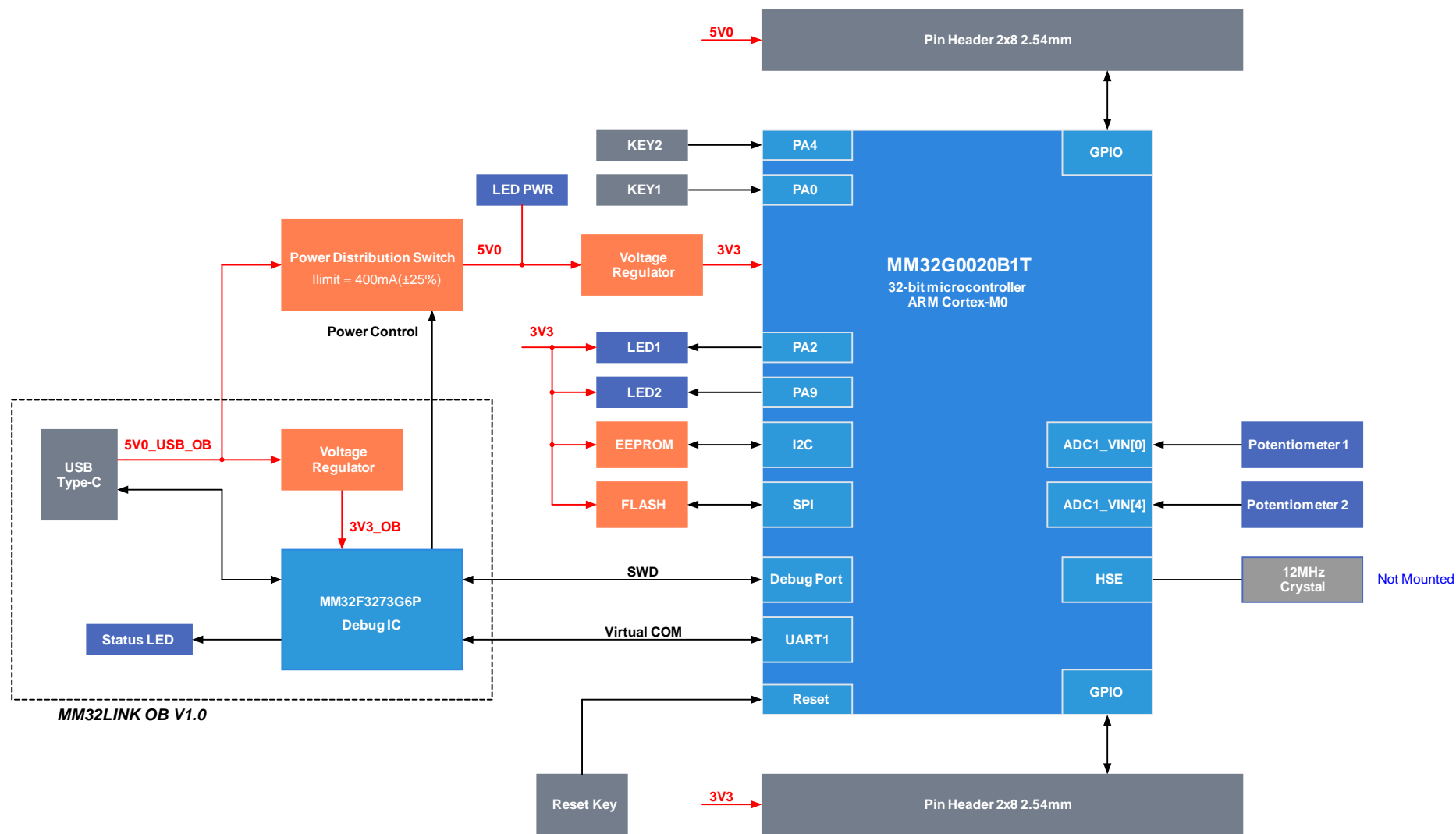
## Table of Contents :

- [1] Project Overview
- [2] System Block Diagram
- [3] MM32LINK-OB V1.0
- [4] Target Power
- [5] Target MCU
- [6] Onboard Resources
- [7] Extension Connectors

## Revision History:

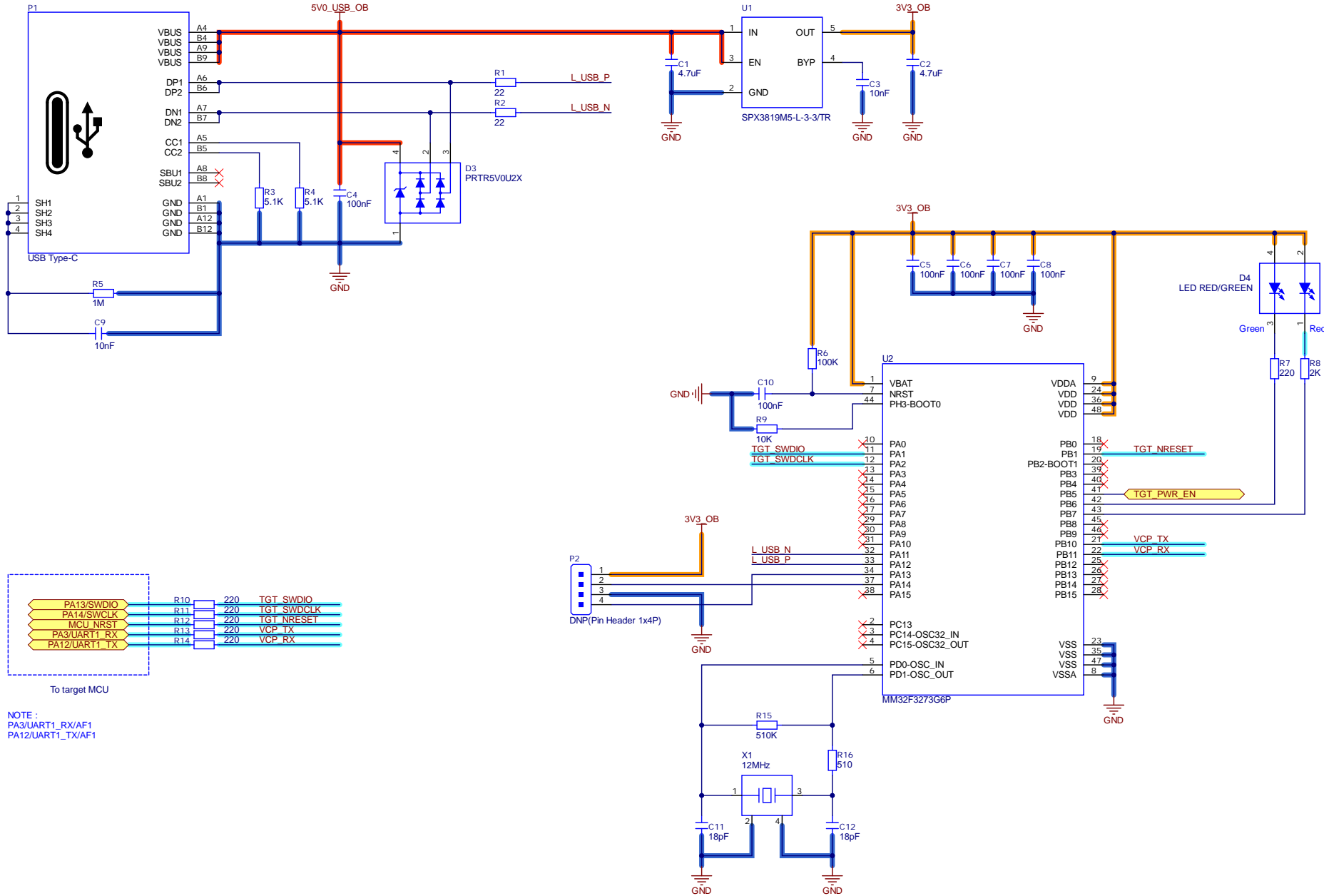
V1.0      First Release

Sheet Title			Project Overview			
Project Title			Mini-G0020-OB			
Size	A4	Ver.	1.0	Drawn		Li Hongpeng
Sheet	1 / 7			Checked		Li Hongpeng
Date	2023.10.23			Approved		Chen Do



Sheet Title		System Block Diagram			
Project Title		Mini-G0020-OB			
Size	A4	Ver.	1.0	Drawn	Li Hongpeng
Sheet	2	/	7	Checked	Li Hongpeng
Date	2023.10.23			Approved	Chen Do



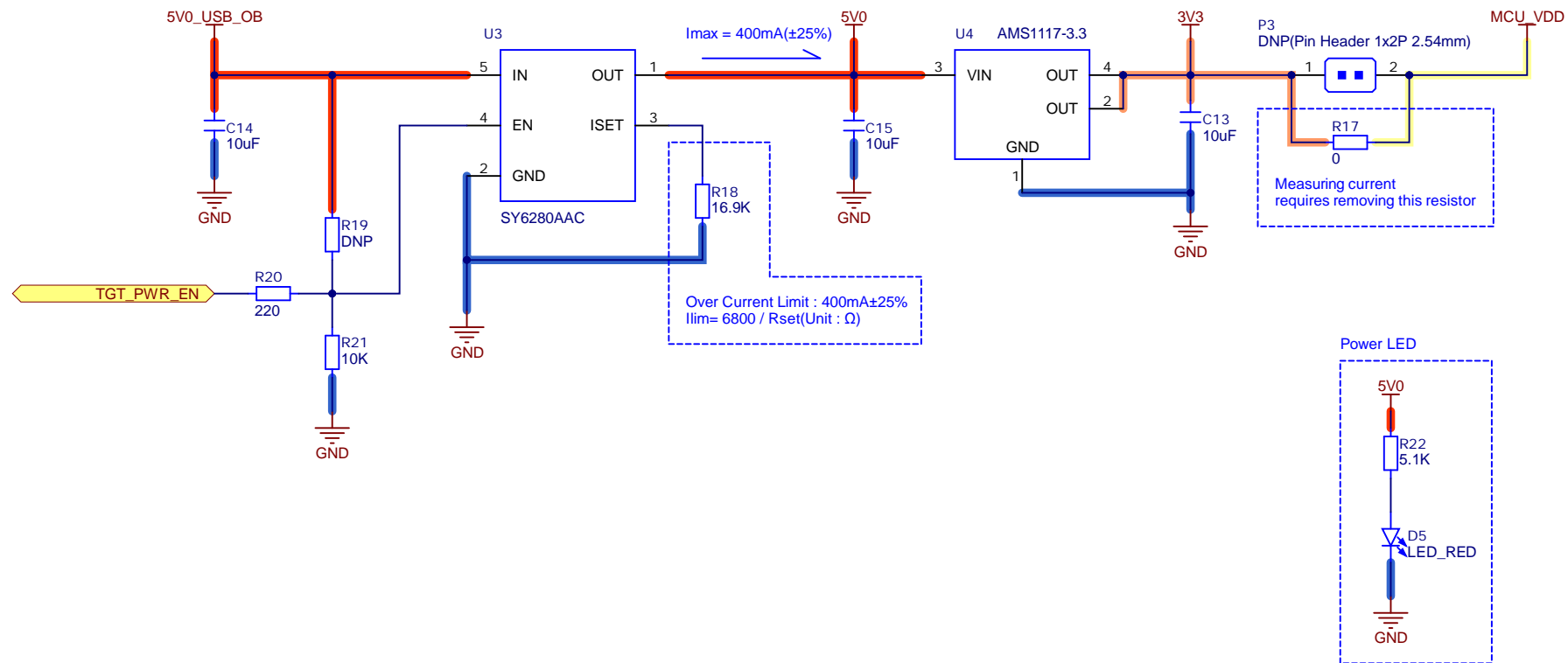


NOTE :  
PA3/UART1\_RX/AF1  
PA12/UART1\_TX/AF1

DNP : DO NOT POPULATE

Sheet Title		MM32LINK-OB V1.0	
Project Title		Mini-G0020-OB	
Size	A3	Ver.	1.0
Sheet	3	Drawn	Li Hongpeng
Date	2023.10.23	Checked	Li Hongpeng
		Approved	Chen Do

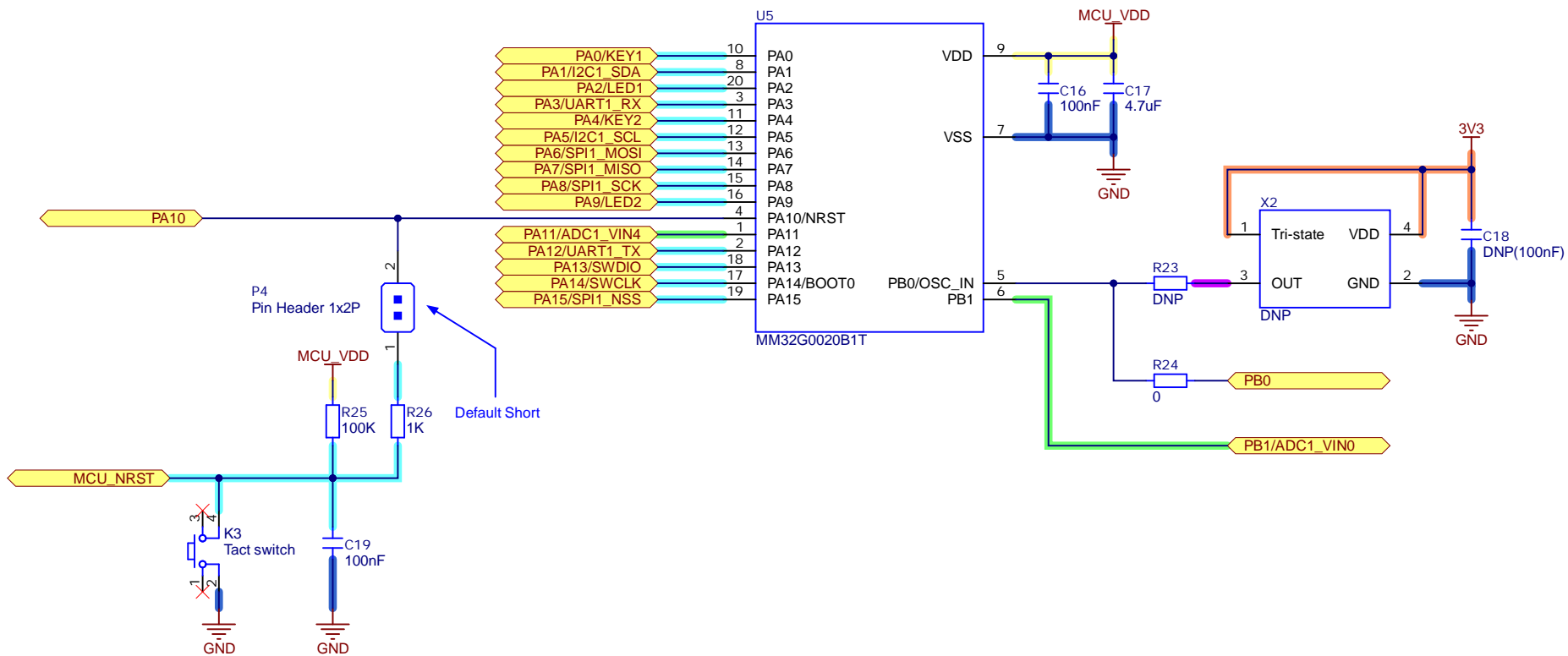




DNP : DO NOT POPULATE

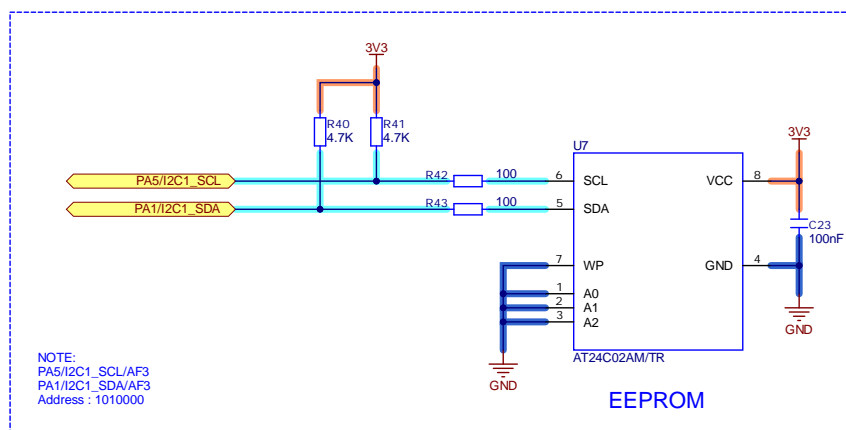
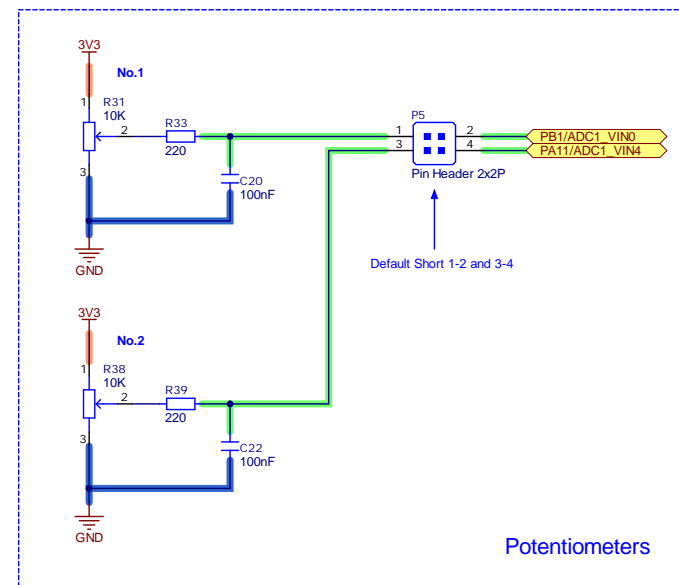
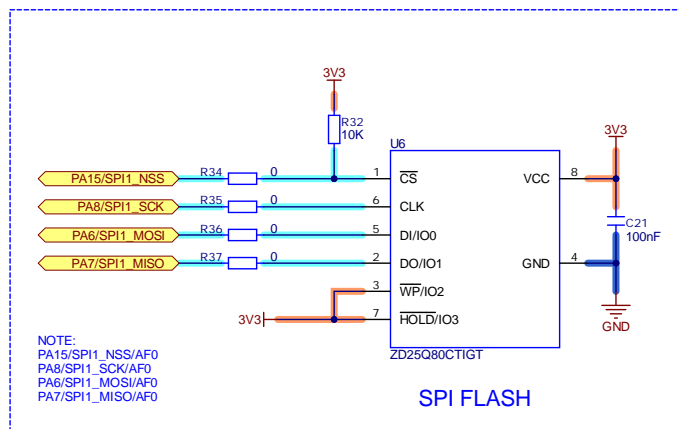
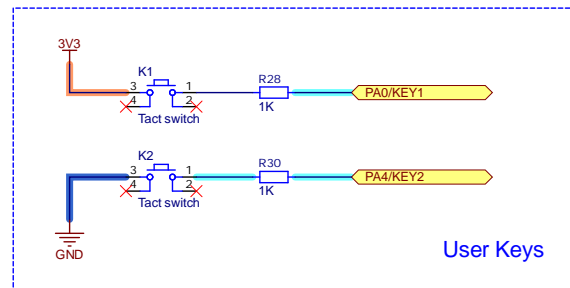
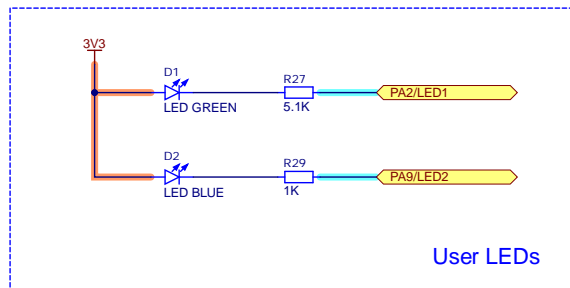
Sheet Title		Target Power			
Project Title		Mini-G0020-OB			
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Sheet Title		Target MCU			
Project Title		Mini-G0020-OB			
Size	A4	Ver.	1.0	Drawn	Li Hongpeng
Sheet	5	/	7	Checked	Li Hongpeng
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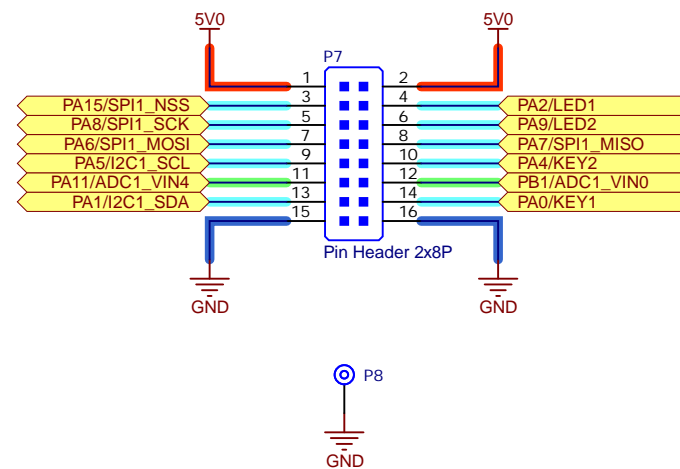
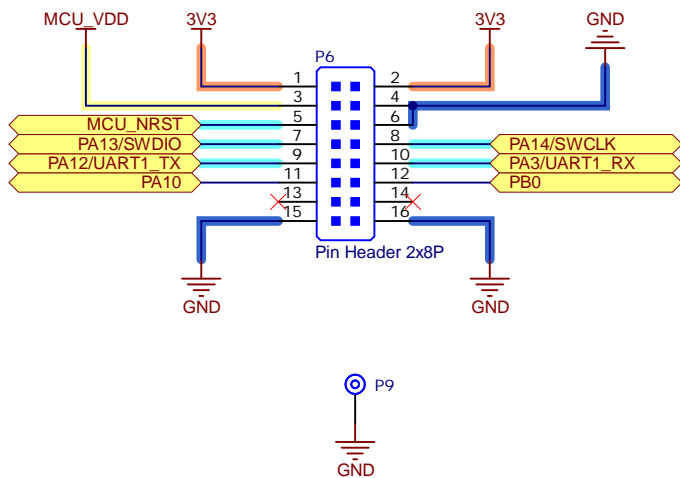




DNP : DO NOT POPULATE

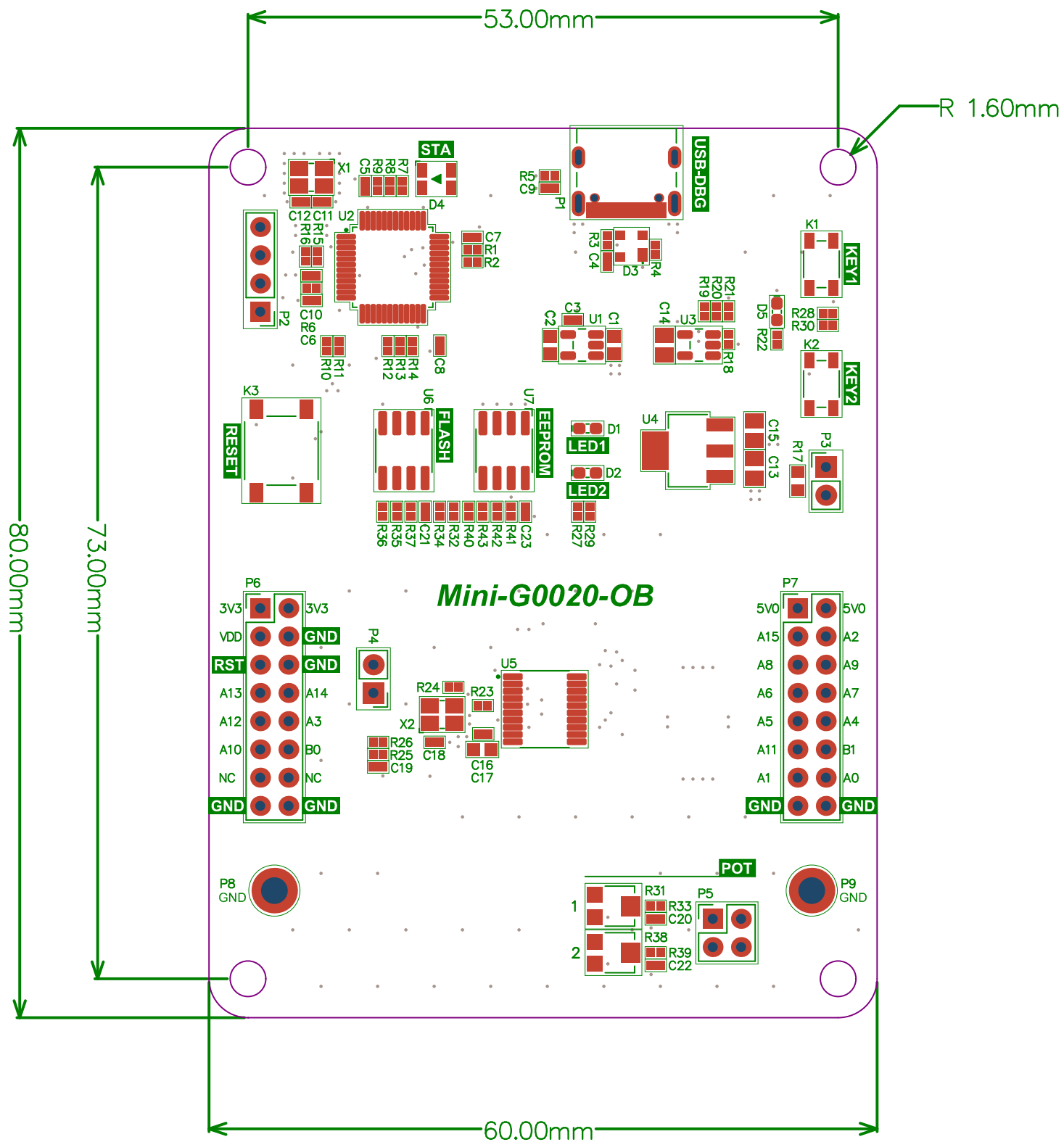
Sheet Title		Onboard Resources	
Project Title	Mini-G0020-OB	Size	A3
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Sheet Title		Extension Connectors			
Project Title		Mini-G0020-OB			
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# MM32G0020B1T

Minj-G0020-OB | MB-109 | V1.0

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## Current Measurement

↓  
● ← 3V3  
● ← MCU\_VDD

5V0 ● 5V0  
A2 ● A15  
A9 ● A8  
A7 ● A6  
A4 ● A5  
B1 ● A11  
A0 ● A1  
GND ● GND

GPIO	HW	Function
PA2	LED1	(LOW)
PA9	LED2	(LOW)
PA0	KEY1	(IPD/HIGH)
PA4	KEY2	(IPU/LOW)
PB1	POT1	ADC1_IN[0]
PA11	POT2	ADC1_IN[4]
PA1	EEPROM	I2C1_SDA
PA5		I2C1_SCL
PA6	FLASH	SPI1_MOSI
PA7		SPI1_MISO
PA8		SPI1_SCK
PA15		SPI1_NSS
PA10/NRST	MM32LINK	NRST
PA13		SWDIO
PA14		SWCLK
PA3		UART1_RX
PA12		UART1_TX

3V3 ● 3V3  
GND ● VDD  
GND ● RST  
A14 ● A13  
A3 ● A12  
B0 ● A10  
NC ● NC  
GND ● GND