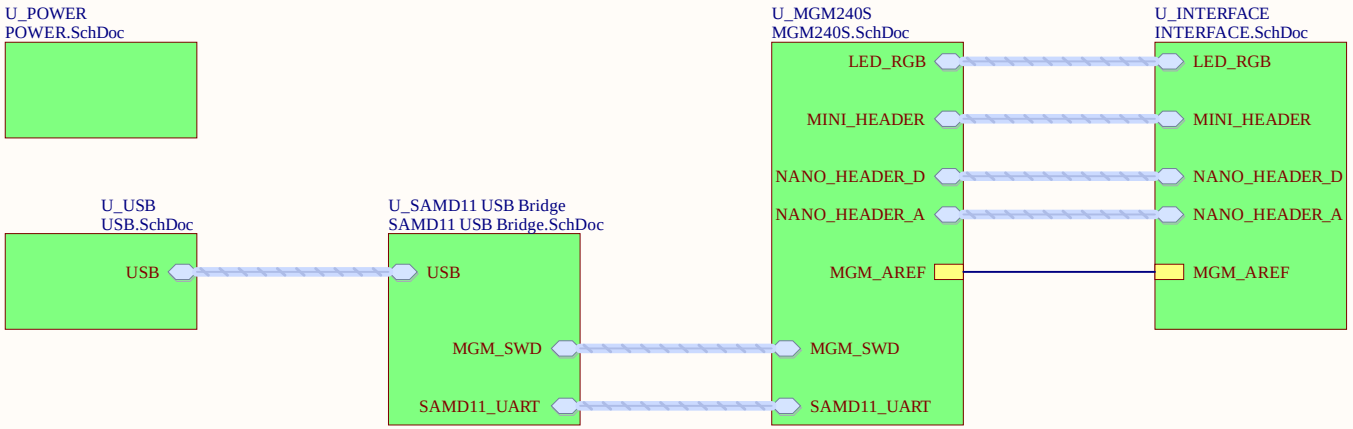

QR1
QR CODE 4x4mm

Fiducial_1
Fiducial mark 1mm

Fiducial_2
Fiducial mark 1mm

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Title: **TOP**			
ID: ABX00112		Version: V0.2	
Date: 3/7/2024	Time: 8:15:00 PM	Sheet 1 of 6	
File: TOP.SchDoc		Author:	RevAuthor: Silvio Navaretti

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BUCK 3V3

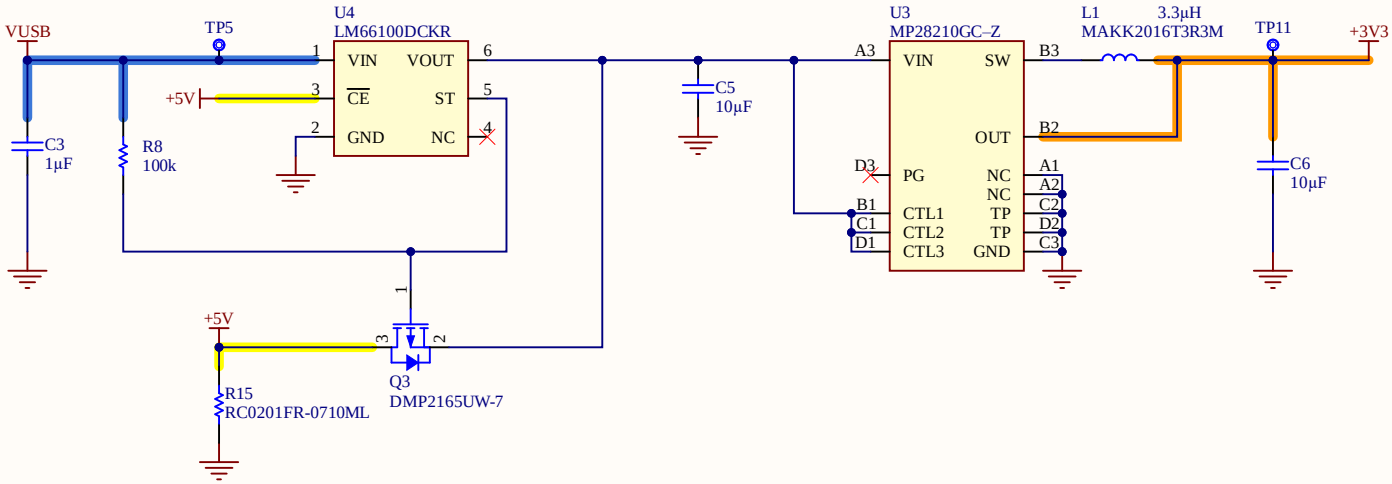
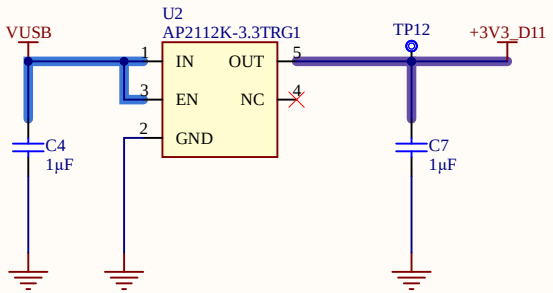


Table 1: CTRL vs. Output Voltages

CTRL3	CTRL2	CTRL1	OUT
0	0	0	Disabled
0	0	1	0.8V
0	1	0	1.0V
0	1	1	1.2V
1	0	0	1.5V
1	0	1	1.8V
1	1	0	2.5V
1	1	1	3.3V

LDO 3V3 DEDICATED TO D11



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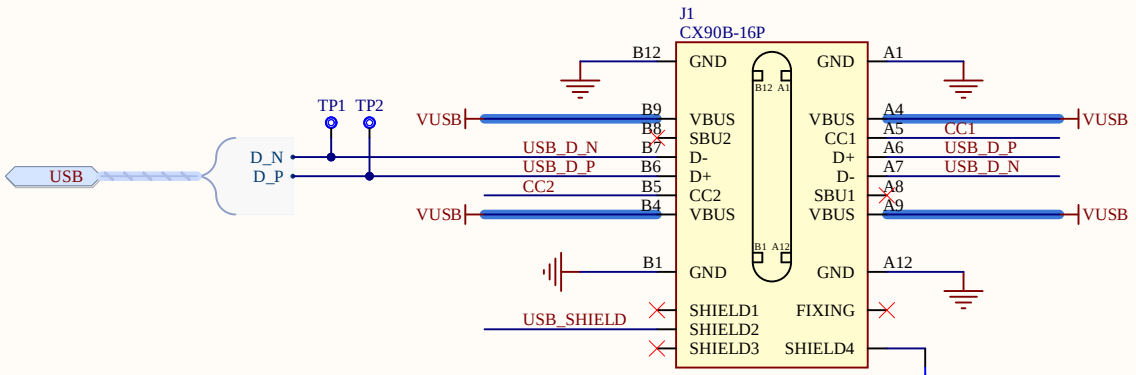
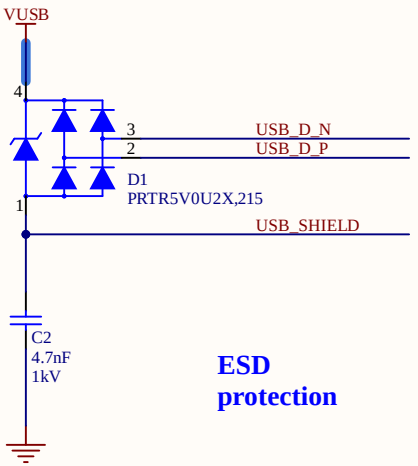
Title: **POWER**			
ID: ABX00112	Version: V0.2		
Date: 3/7/2024 Time: 8:15:05 PM	Sheet 2 of 6		
File: POWER.SchDoc	Author:	RevAuthor: Silvio Navaretti	

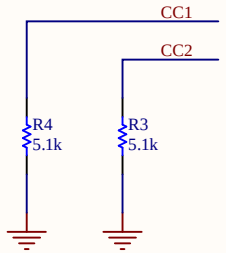
USBC connector





ESD protection

CC resistors



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Title: **USB**			
ID: ABX00112		Version: V0.2	
Date: 3/7/2024	Time: 8:15:09 PM	Sheet 3 of 6	
File: USB.SchDoc		Author:	RevAuthor: Silvio Navaretti

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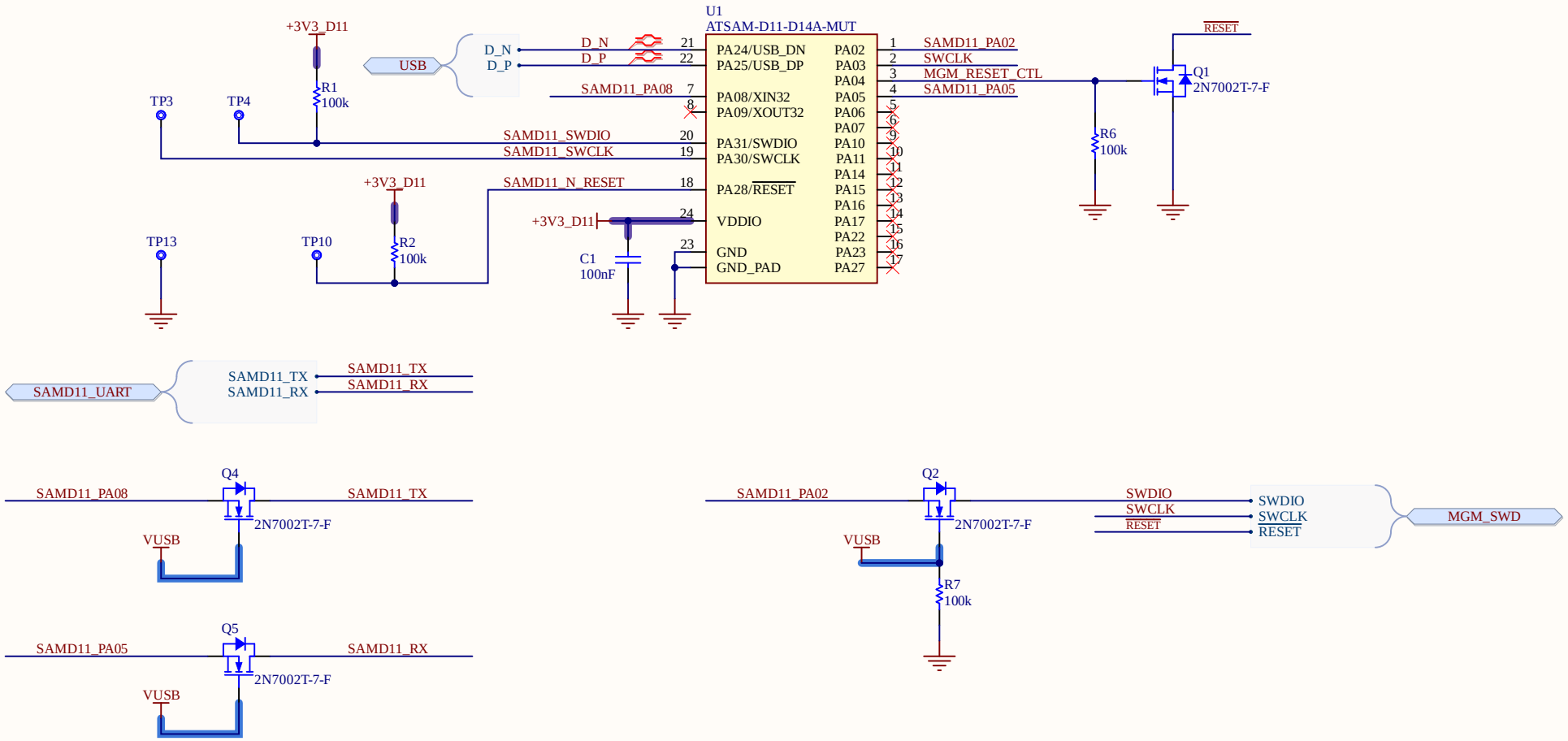
USB BRIDGE



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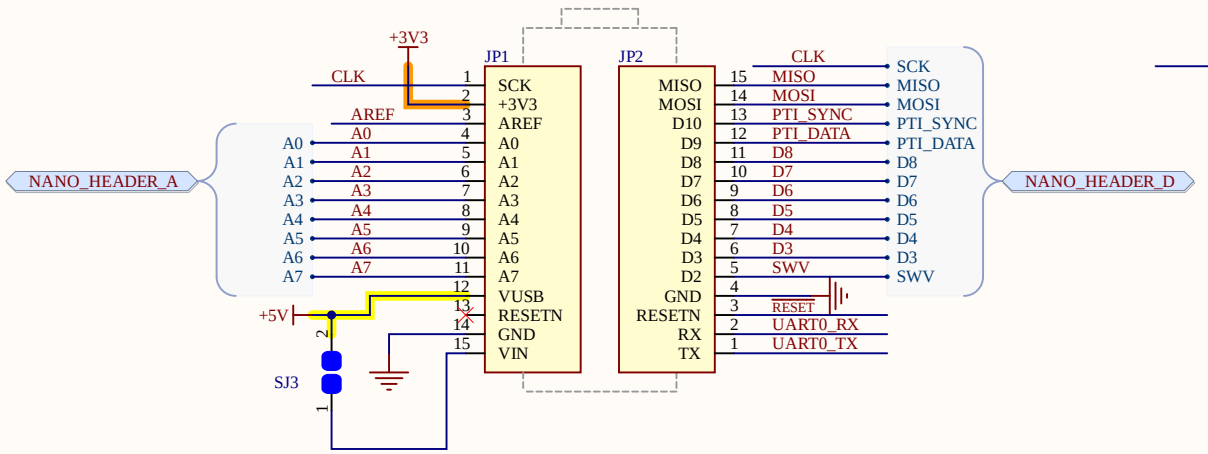
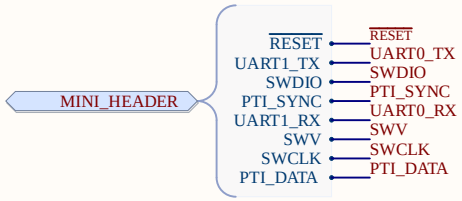
Title: SAMD11 BRIDGE			
ID: ABX00112	Version: V0.2		
Date: 3/7/2024 Time: 8:15:14 PM	Sheet 4 of 6		
File: SAMD11 USB Bridge.SchDoc	Author:	RevAuthor: Silvio Navaretti	

NANO HEADERS

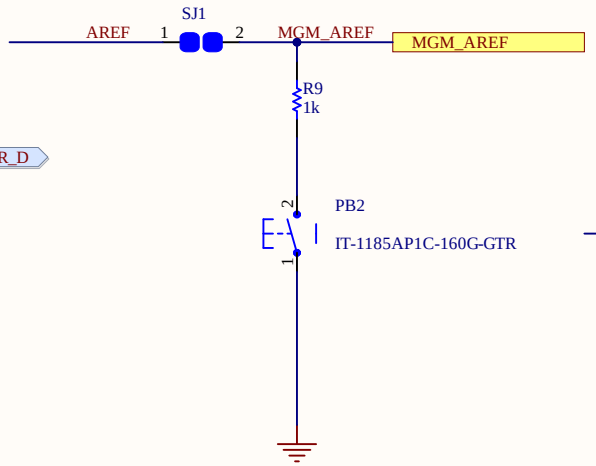


NOTE: one solder jumper on TOP, the other on BOTTOM

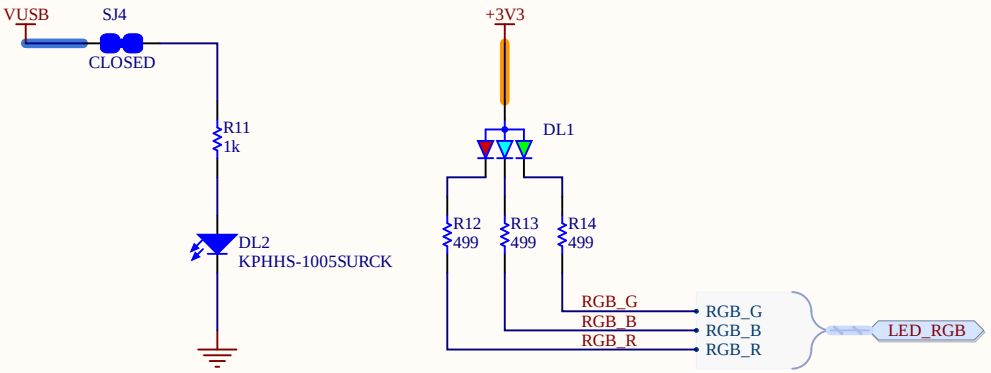


Reset pushbutton

NOTE: Normal Open jumper



NOTE: Normal Close jumper



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Title: **INTERFACE**		
ID: ABX00112	Version: V0.2	
Date: 3/7/2024 Time: 8:15:19 PM	Sheet 5 of 6	
File: INTERFACE.SchDoc	Author:	RevAuthor: Silvio Navaretti

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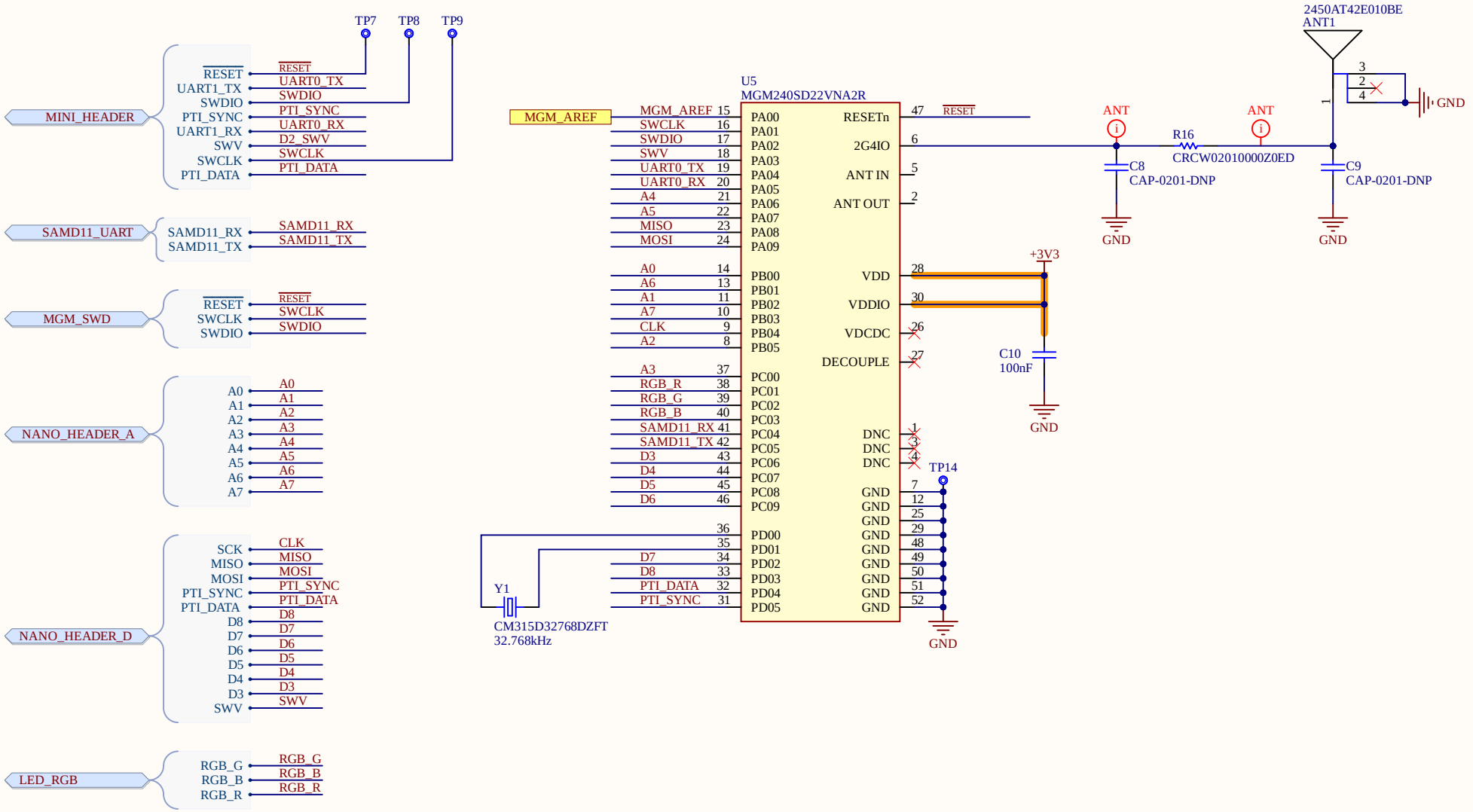

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Title: **MGM240S**			
ID: ABX00112	Version: V0.2		
Date: 3/7/2024 Time: 8:15:37 PM	Sheet 6 of 6		
File: MGM240S.SchDoc	Author:	RevAuthor: Silvio Navaretti	