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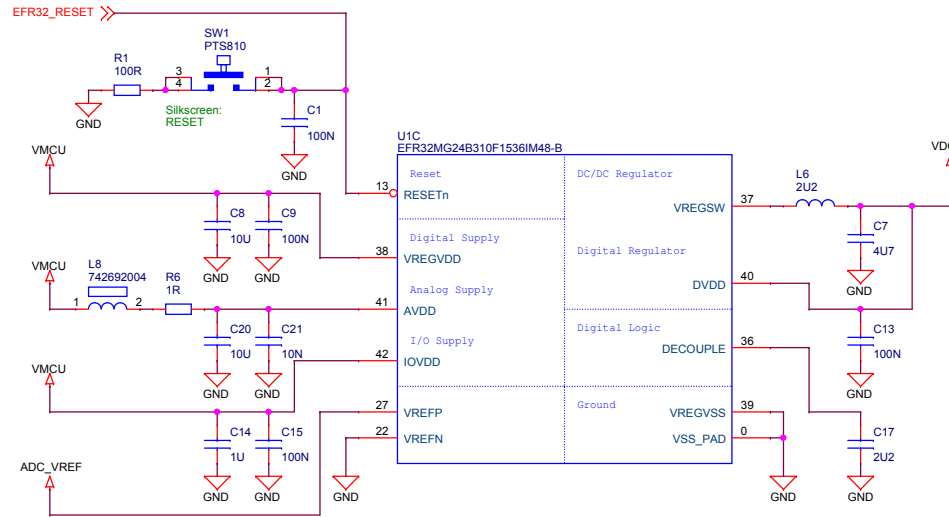
PCB2601A

MG24 Dev Kit	
Board Function	Page
Title Page	1
EFR32MG24	2
User Interface	3
Sensors & Peripherals	4
On-board Debugger	5
Power & Mini Simplicity	6

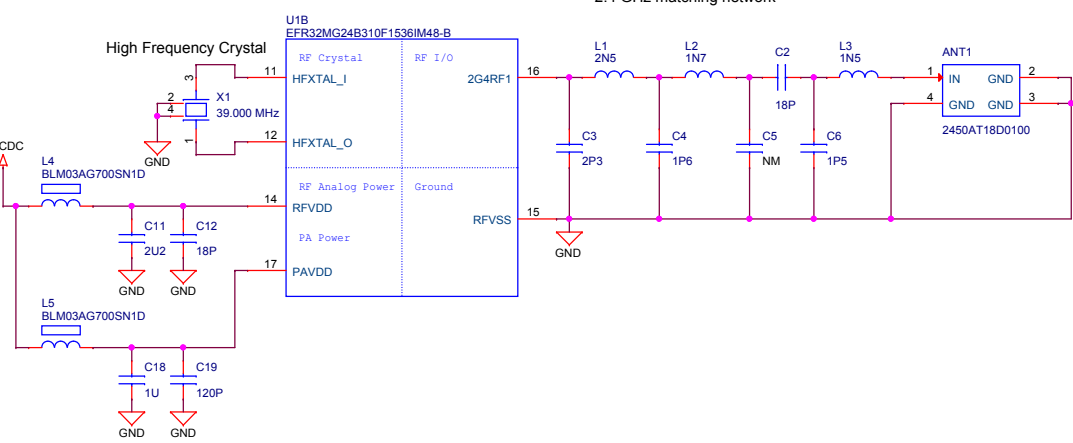
Revision History	
Rev.	Description
A00	Initial version.
A01	U1 with new factory calibrations

		Board Name	
		EFR32MG24 Dev Kit	
Designed MAH		Approved RGU	
Size A3	Sheet Modified Date Tuesday, February 01, 2022		Revision A01
Board Number BRD2601B			Sheet 1 of 6
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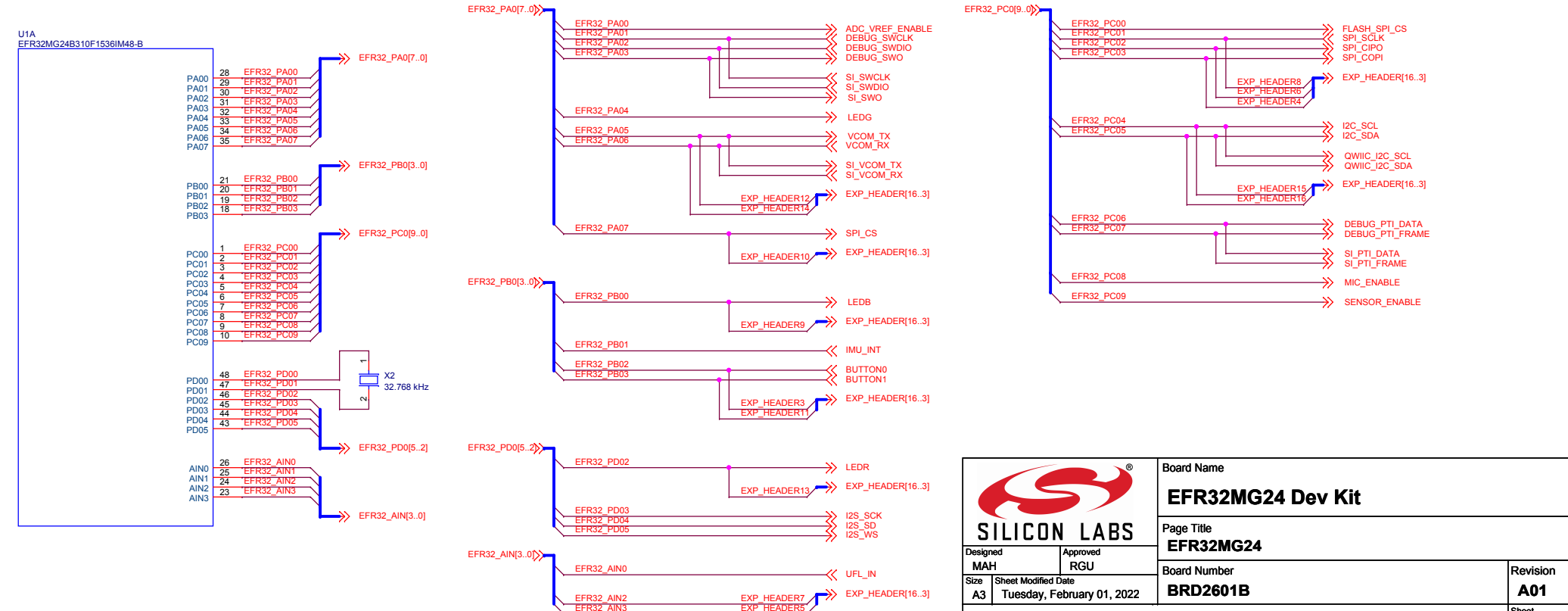
## EFR32MG24 Power Section




## EFR32MG24 RF Section

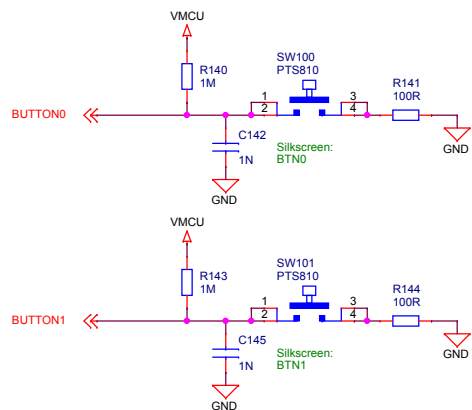


## EFR32MG24 I/O & Signal Assignments

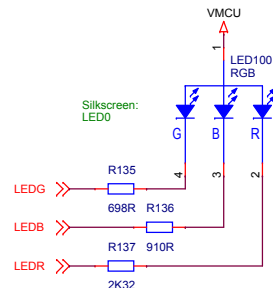


		Board Name	
		EFR32MG24 Dev Kit	
Designed MAH		Page Title	
		EFR32MG24	
Size A3		Board Number	
		BRD2601B	
Sheet Modified Date Tuesday, February 01, 2022		Revision	
		A01	
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Sheet 2 of 6			

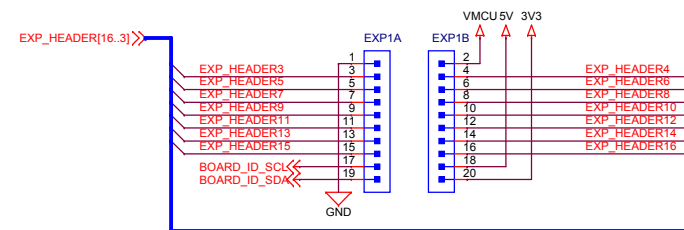
## Push Buttons



## RGB LED



## Breakout Pads - EXP Header



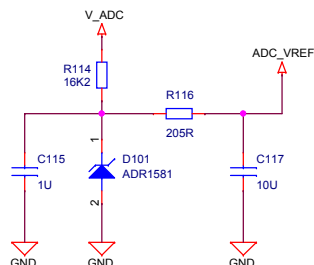
### EXP Header Functionality

2	VMCU	
4	PC03	SPI_COPI
6	PC02	SPI_CIP0
8	PC01	SPI_SCK
10	PA07	SPI_CS
12	PA05	UART_TX
14	PA06	UART_RX
16	PC05	I2C_SDA
18	5V	
20	3V3	

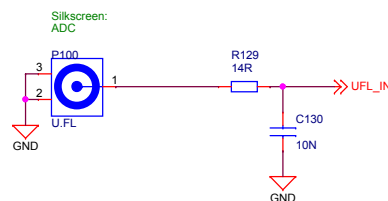
1	GND	
3	PB02	GPIO
5	AIN3	ADC_INN
7	AIN2	ADC_INP
9	PB00	GPIO
11	PB03	GPIO
13	PD02	GPIO
15	PC04	I2C_SCL
17	Reserved for EXP Board Identification	
19	Reserved for EXP Board Identification	

All signals routed to the EXP header are used on the board as well. Take care to avoid signal conflicts (see page 2 for signal assignments).

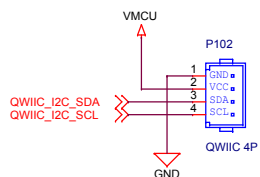
## ADC VREF




## U.FL ADC Connector

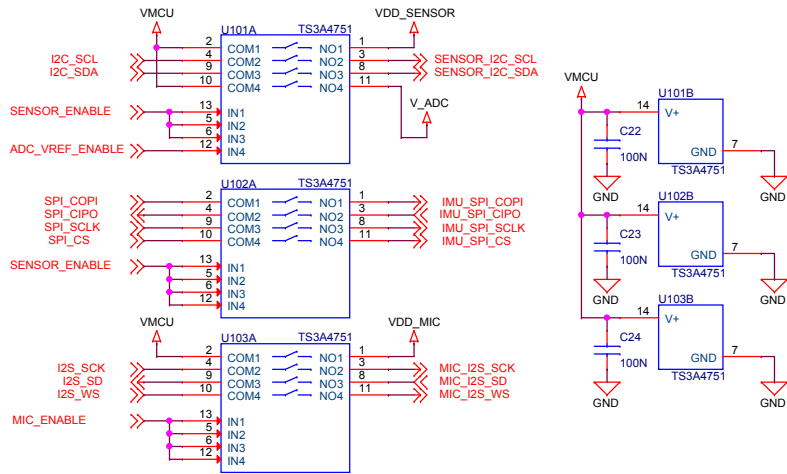


## Qwiic Connector



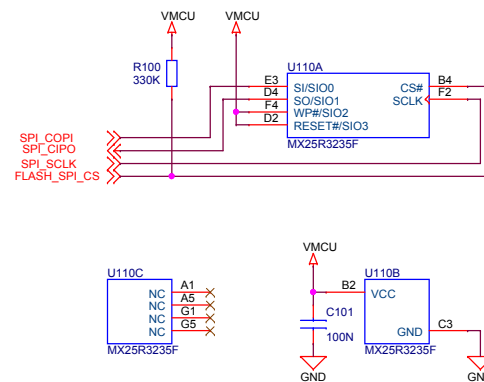
		Board Name	
		EFR32MG24 Dev Kit	
Designed MAH		Page Title	
Size A3		User Interface	
Sheet Modified Date Tuesday, February 01, 2022		Board Number	Revision
		BRD2601B	A01
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## Sensor Power/Isolation

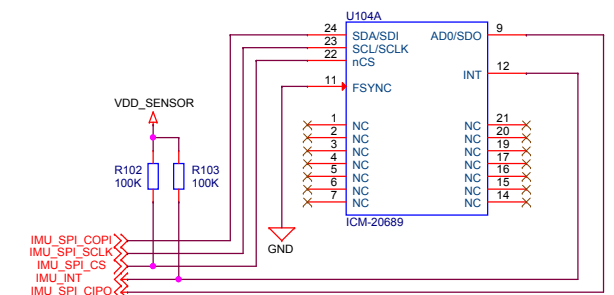


There are no pull-down resistors on the enable pins, and software should therefore immediately drive the lines to prevent the pins from floating.

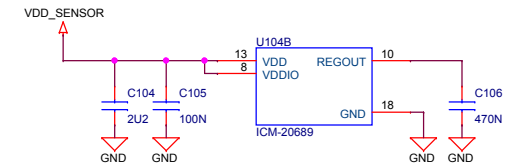
## SPI Flash



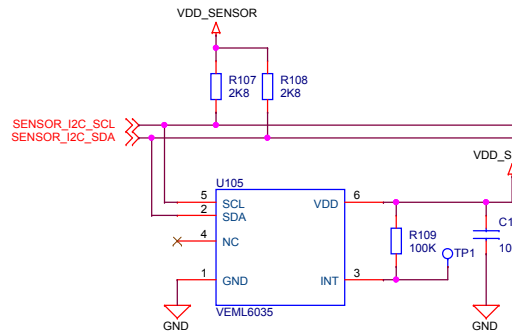
## 6-axis Inertial Sensor (IMU)



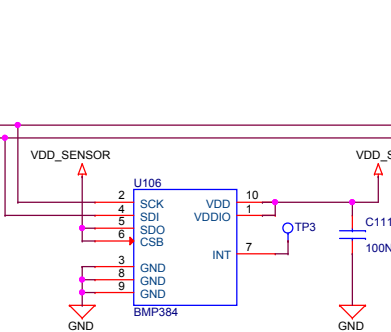
The SPI bus is shared with the flash.



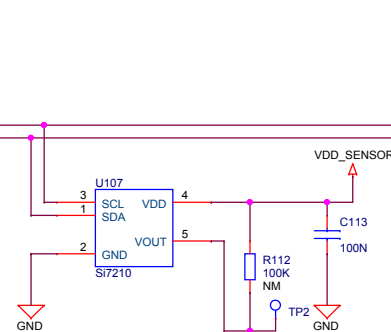
## Ambient Light Sensor



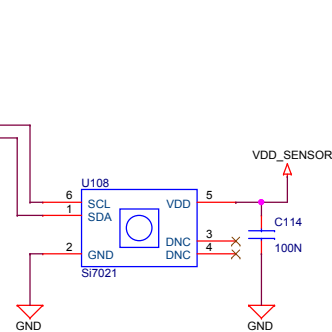
## Pressure Sensor



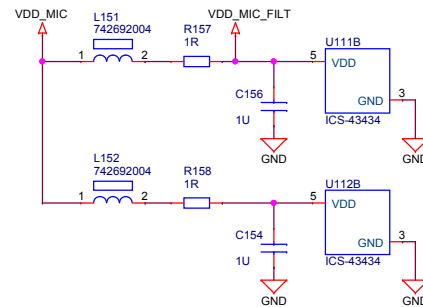
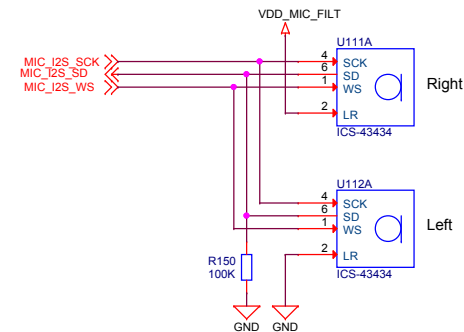
## Hall-effect Sensor




## RH/Temp Sensor



## Stereo Microphones



		Board Name	
		<b>EFR32MG24 Dev Kit</b>	
Designed MAH		Page Title	
Size A3		<b>Sensors &amp; Peripherals</b>	
Sheet Modified Date Tuesday, February 01, 2022		Board Number	
		<b>BRD2601B</b>	
		Revision	
		<b>A01</b>	
		Sheet 4 of 6	

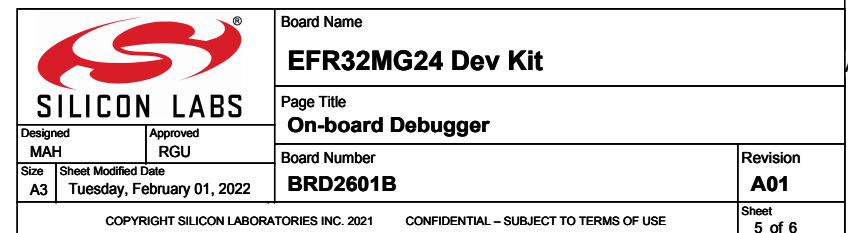
## D

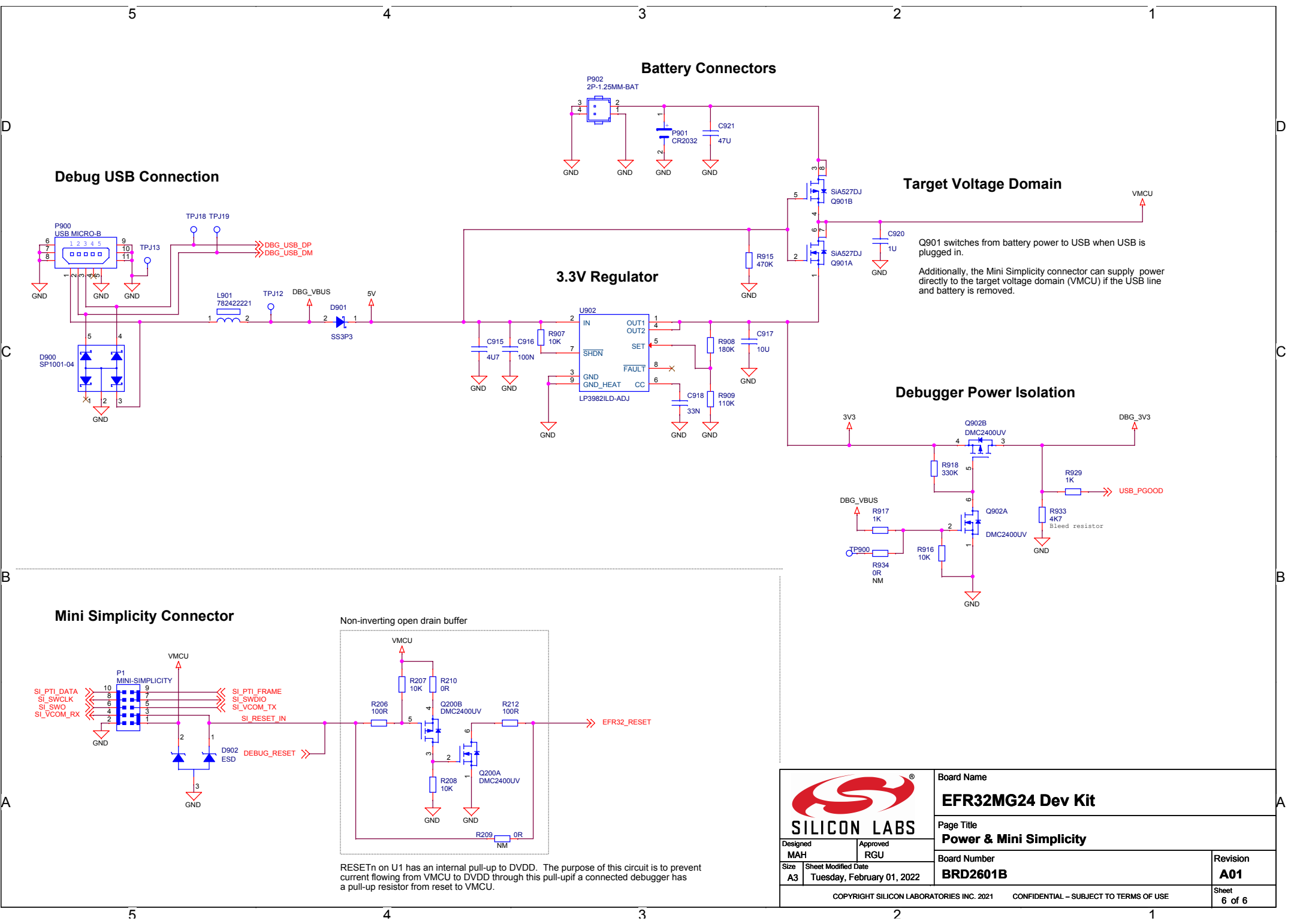


## B



## A





 <b>SILICON LABS</b>		Board Name		EFR32MG24 Dev Kit			
		Page Title		Power & Mini Simplicity			
Designed MAH		Approved RGU		Board Number		Revision	
Size A3		Sheet Modified Date Tuesday, February 01, 2022		BRD2601B		A01	
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