



EFR32FG23 Diversity Board with discrete matching network for 868/915 MHz

Board Function	Page
Title Page	1
RF & Power	2
EFR32 Signal Assignments	3
WSTK Connectors & Board ID	4

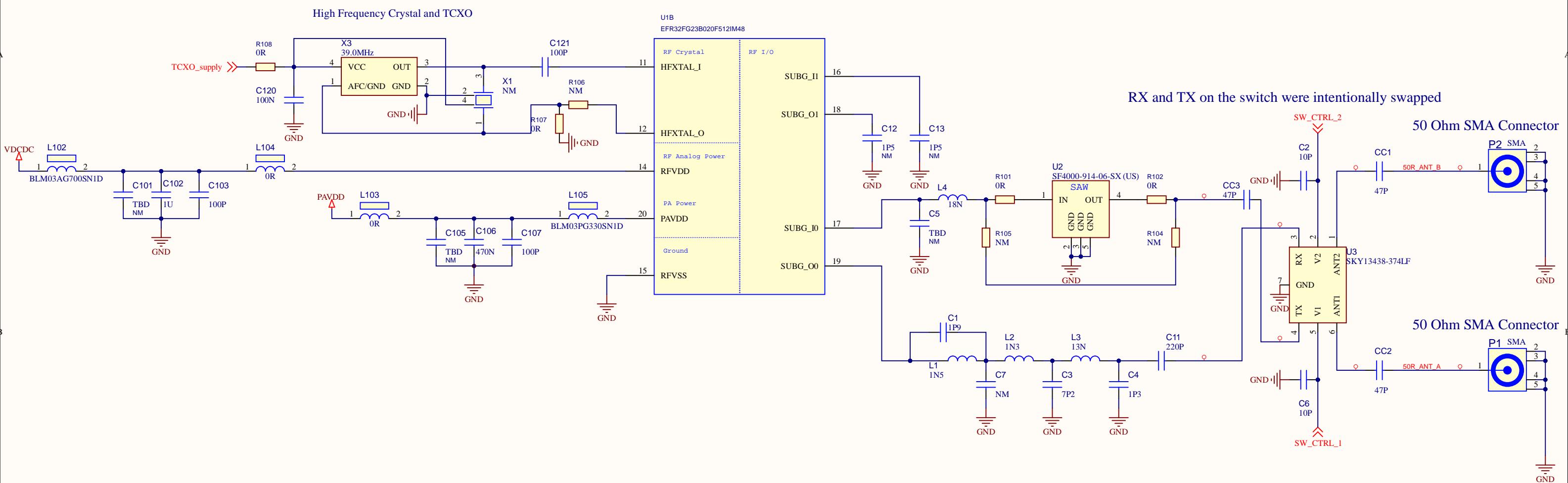
**LEGAL NOTICE:**  
SILICON LABORATORIES INC. ("SILICON LABS") AND/OR ITS LICENSORS DO NOT WARRANT THE ACCURACY OR COMPLETENESS OF THIS SCHEMATIC OR ANY INFORMATION CONTAINED WITHIN THIS SCHEMATIC. IT IS PROVIDED "AS-IS" FOR REFERENCE ONLY. SILICON LABS DOES NOT WARRANT THAT THIS DESIGN WILL MEET THE SPECIFICATIONS, BE SUITABLE FOR YOUR APPLICATION OR FIT FOR ANY PARTICULAR PURPOSE, OR WILL OPERATE IN YOUR IMPLEMENTATION. SILICON LABS AND ITS LICENSORS DO NOT WARRANT THAT THE DESIGN IMPLIED IN THIS SCHEMATIC IS PRODUCTION-WORTHY. YOU SHOULD COMPLETELY VALIDATE AND TEST YOUR DESIGN IMPLEMENTATION TO CONFIRM SYSTEM FUNCTIONALITY FOR YOUR APPLICATION.



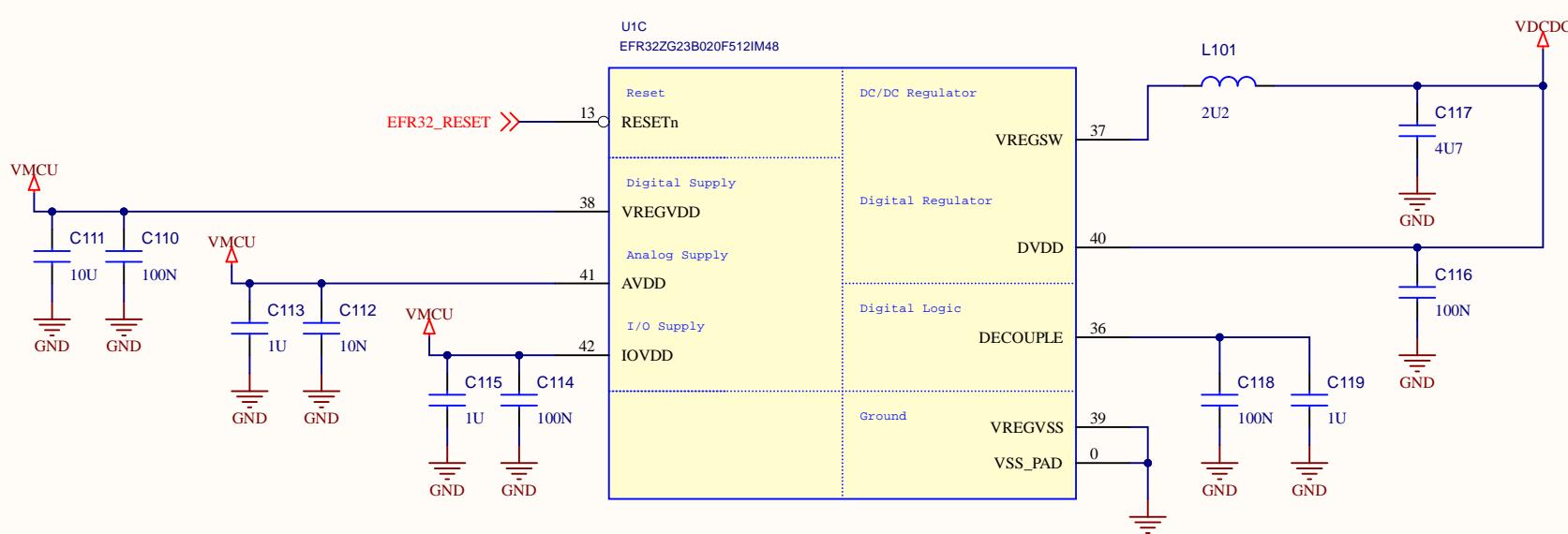
 <b>SILICON LABS</b>	Board Name		
	<b>EFR32FG23 Diversity Board with discrete matching network for 868/915 MHz</b>		
Designed <b>MSZ</b>	Page Title		
	<b>Title Page</b>		
Size <b>A3</b>	Sheet Modified Date <b>8/4/2025</b>	Board Number <b>BRD4210B</b>	Revision <b>A00</b>
COPYRIGHT SILICON LABORATORIES INC. 2020      CONFIDENTIAL – SUBJECT TO TERMS OF USE			Sheet <b>1 of 4</b>

## Radio Interface

Sub-GHz matching network for 868/915MHz

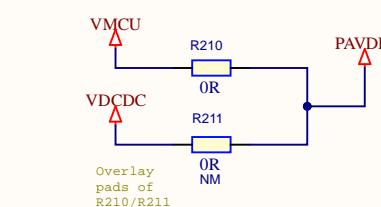


## Power & Decoupling

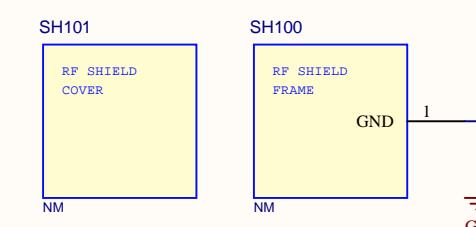


## PAVDD Configuration

	Power Config 1 VMCU to PAVDD	Power Config 2 DCDC to PAVDD
R210	Mount	Not mount
R211	Not mount	Mount

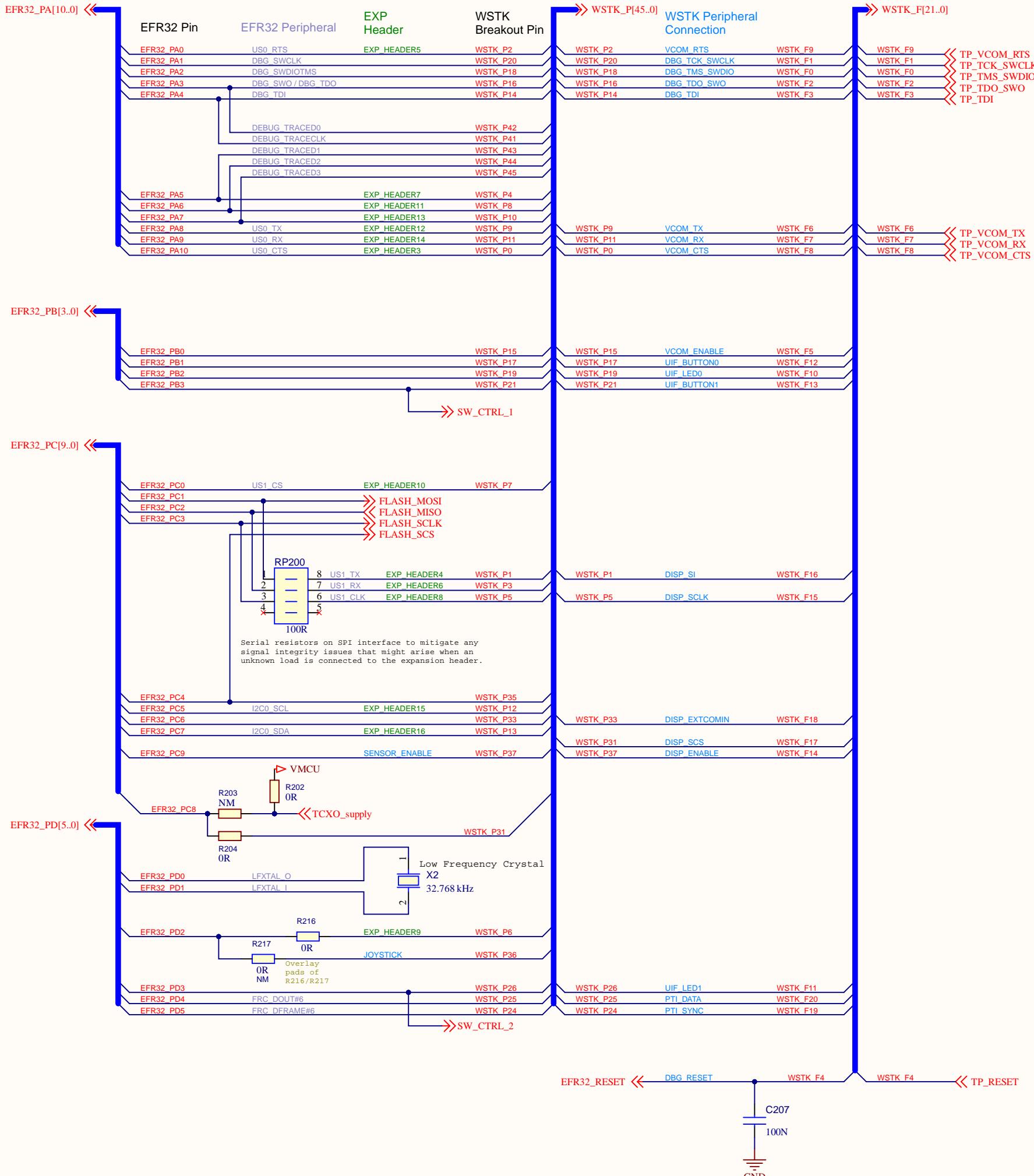


## RF Shielding

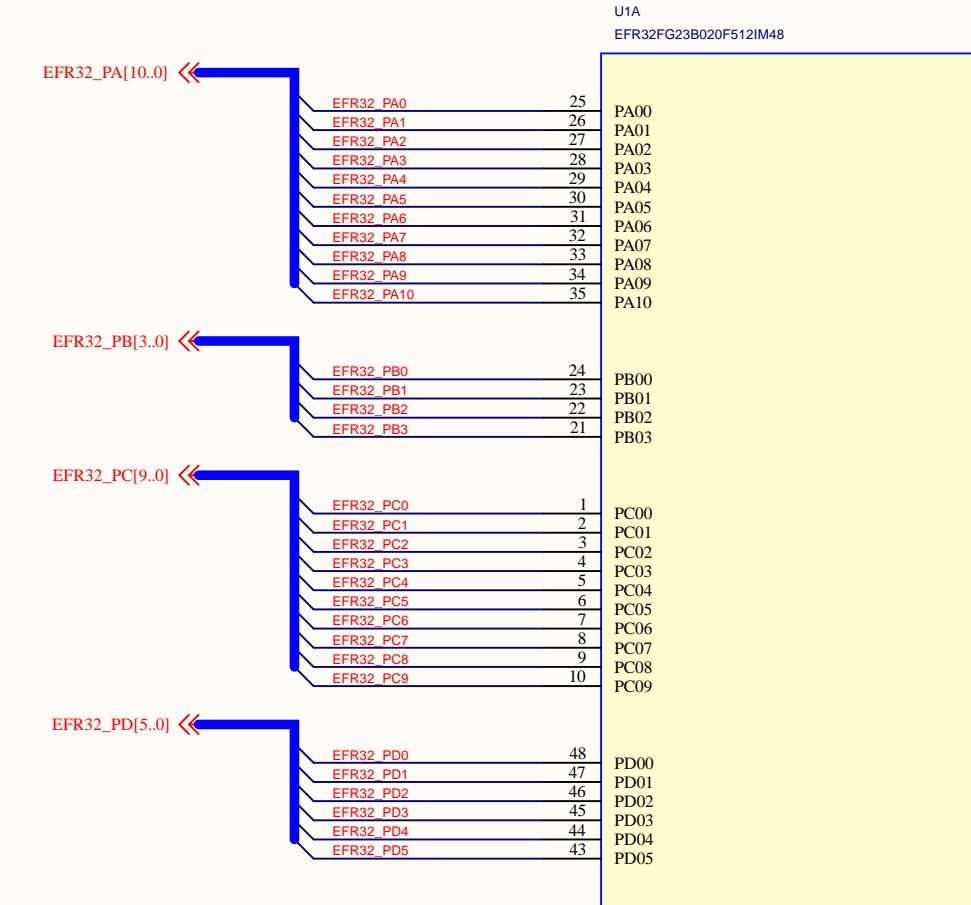


Board Name	
EFR32FG23 Diversity Board with discrete matching network for 868/915 MHz	
Designed	Approved
MSZ	
Size	Sheet Modified Date
A3	8/5/2025
Page Title	
RF & Power	
Board Number	
BRD4210B	
Revision	
A00	
Copyright Silicon Laboratories Inc. 2020	
Confidential - Subject to Terms of Use	
Sheet	
2 of 4	

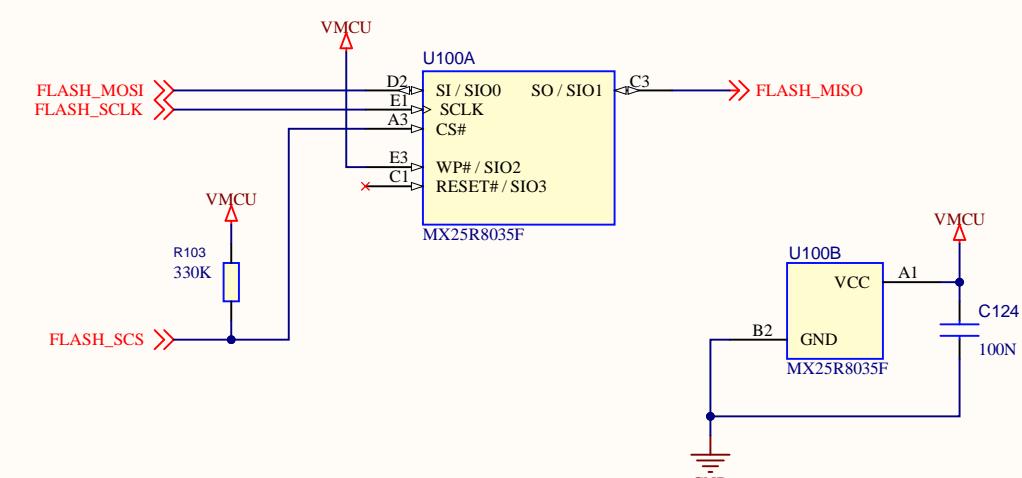
## Pin Mapping



## I/O Port Pins



Serial Flash



P-1N

EFR32EG23 Diversity Board with discrete matching network for 868/915 MHz

---

Page Title

Page Title

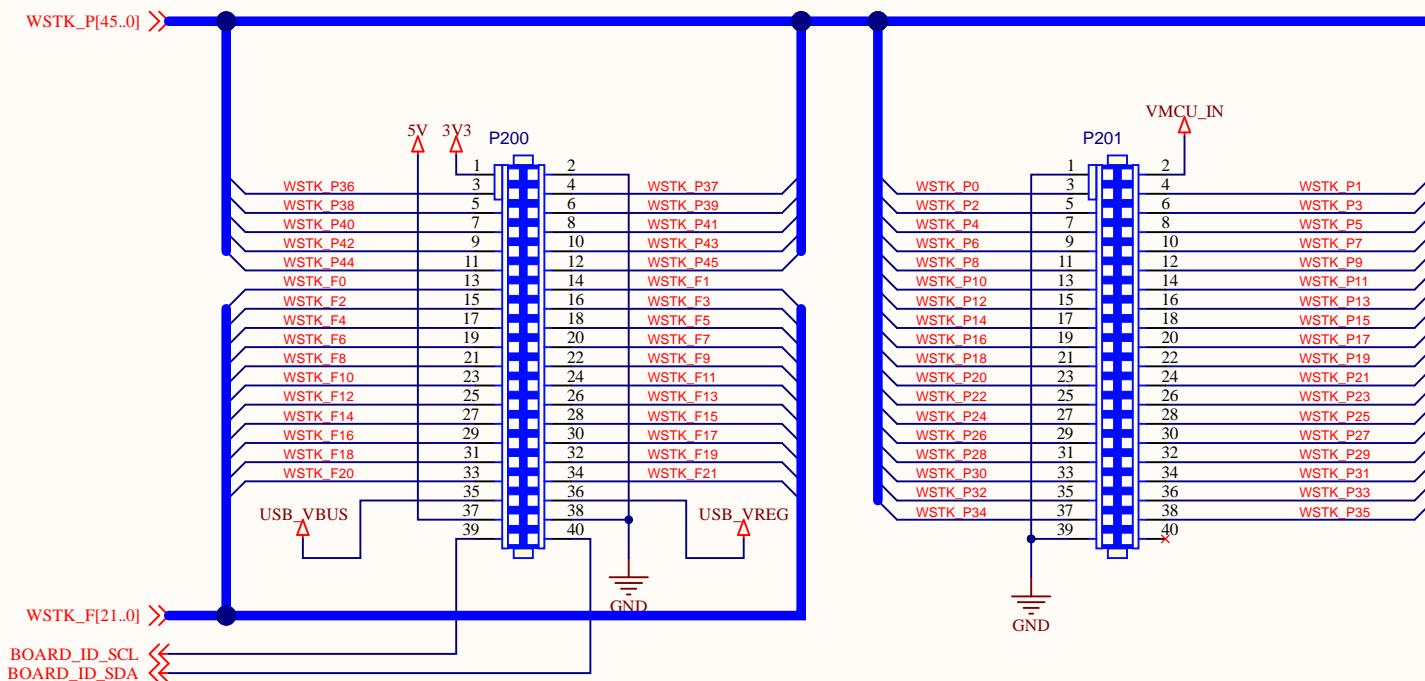
Board Number

Board Number

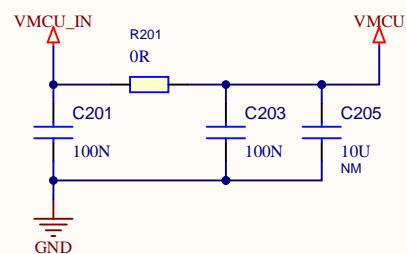
Revision

Revision  
ACC

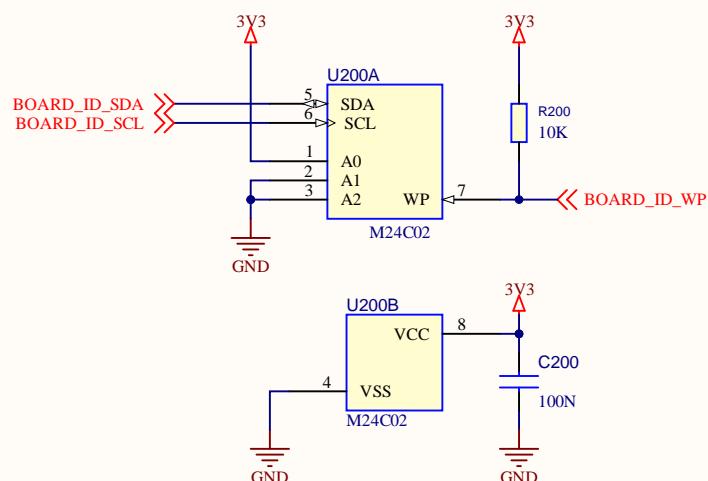
## WSTK Connectors



## WSTK Power Decoupling

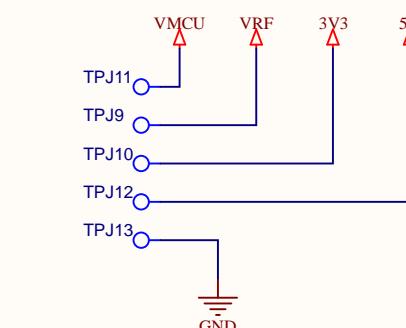


## Board Identification



## Test Points

TPJ1 ○ ↴ TP\_TMS\_SWDIO  
 TPJ2 ○ ↴ TP\_TCK\_SWCLK  
 TPJ3 ○ ↴ TP\_TDO\_SWO  
 TPJ4 ○ ↴ TP\_TDI  
 TPJ17 ○ ↴ TP\_RESET



TPJ5 ○ ↴ TP\_VCOM\_TX  
 TPJ6 ○ ↴ TP\_VCOM\_RX  
 TPJ7 ○ ↴ TP\_VCOM\_CTS  
 TPJ8 ○ ↴ TP\_VCOM\_RTS

TPJ14 ○ ↴ BOARD\_ID\_SCL  
 TPJ15 ○ ↴ BOARD\_ID\_SDA  
 TPJ16 ○ ↴ BOARD\_ID\_WP  
 TPJ18 ○ ✕  
 TPJ19 ○ ✕  
 TPJ20 ○ ✕



Board Name	
EFR32FG23 Diversity Board with discrete matching network for 868/915 MHz	
Page Title	
WSTK Connectors & Board ID	
Designed	Approved
MSZ	
Size	Sheet Modified Date
A3	8/4/2025
Board Number	
BRD4210B	
Revision	
A00	
Sheet	
4 of 4	