EFR32MG12 Dual Band Radio Board

2.4 GHz / 434 MHz 10 dBm, VDCDC to PAVDD

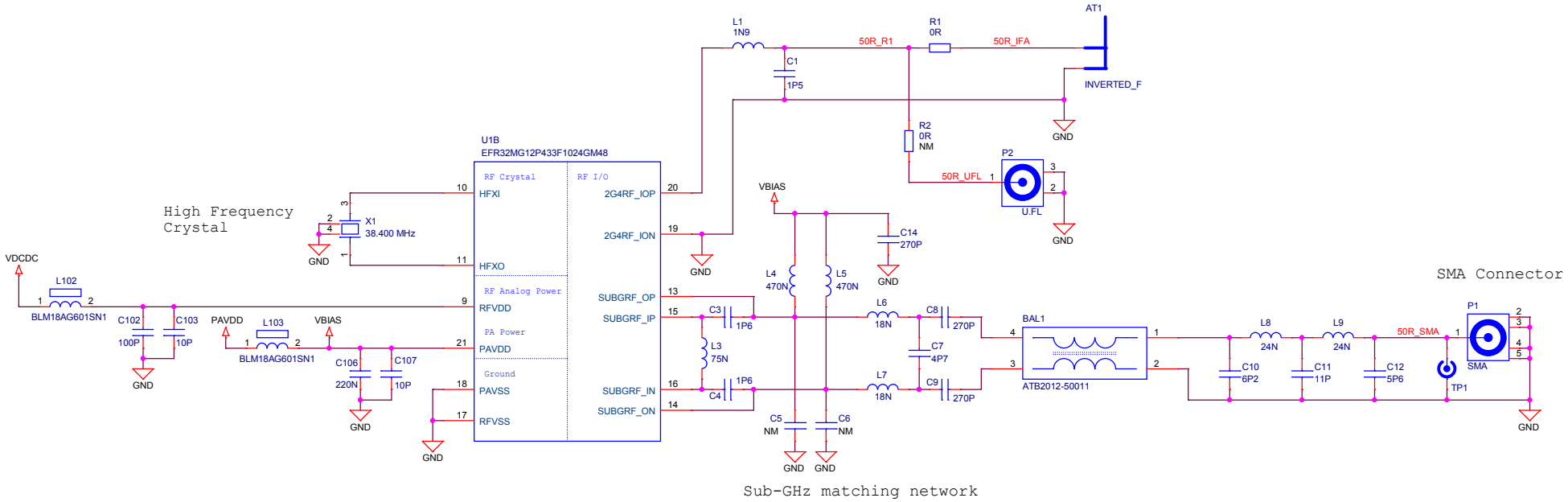
Revision History

Rev.	Description
A00	Initial revision.

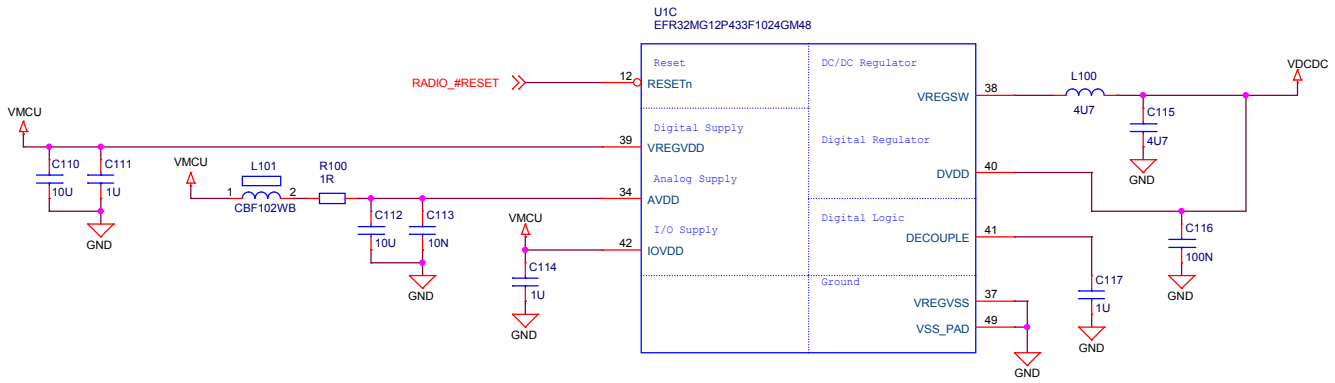
SCHEMATIC1

Designed: <OrgAddr1> / Approved: <OrgAddr2>	Schematic Title: EFR32MG12 Dual Band 2400/434 MHz Radio Boa
Size: A3 / BOM Doc No: <Cage Code>	Page Title: Title Page
Design Created Date: Friday, November 03, 2017	Document number: BRD4173A / Revision: A00
	Sheet Created Date: Friday, November 03, 2017 / Sheet Modified Date: Tuesday, March 13, 2018 / Sheet: 1 of 4

Antenna & Radio Interface

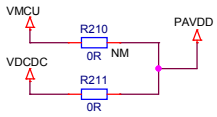


Power & Decoupling

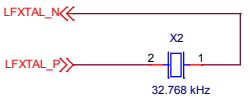


PAVDD Configuration

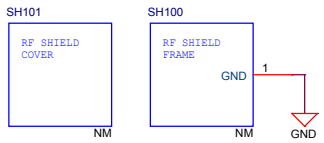
	Power Config 1 VMCU to PAVDD	Power Config 2 DCDC to PAVDD
R210	Mount	Not mount
R211	Not mount	Mount



Low Frequency Crystal



RF Shielding



SCHEMATIC1

SILICON LABS

Designed: <OrgAddr1>	Approved: <OrgAddr2>
Size: A3	BOM Doc No: <Cage Code>
Design Created Date: Friday, November 03, 2017	

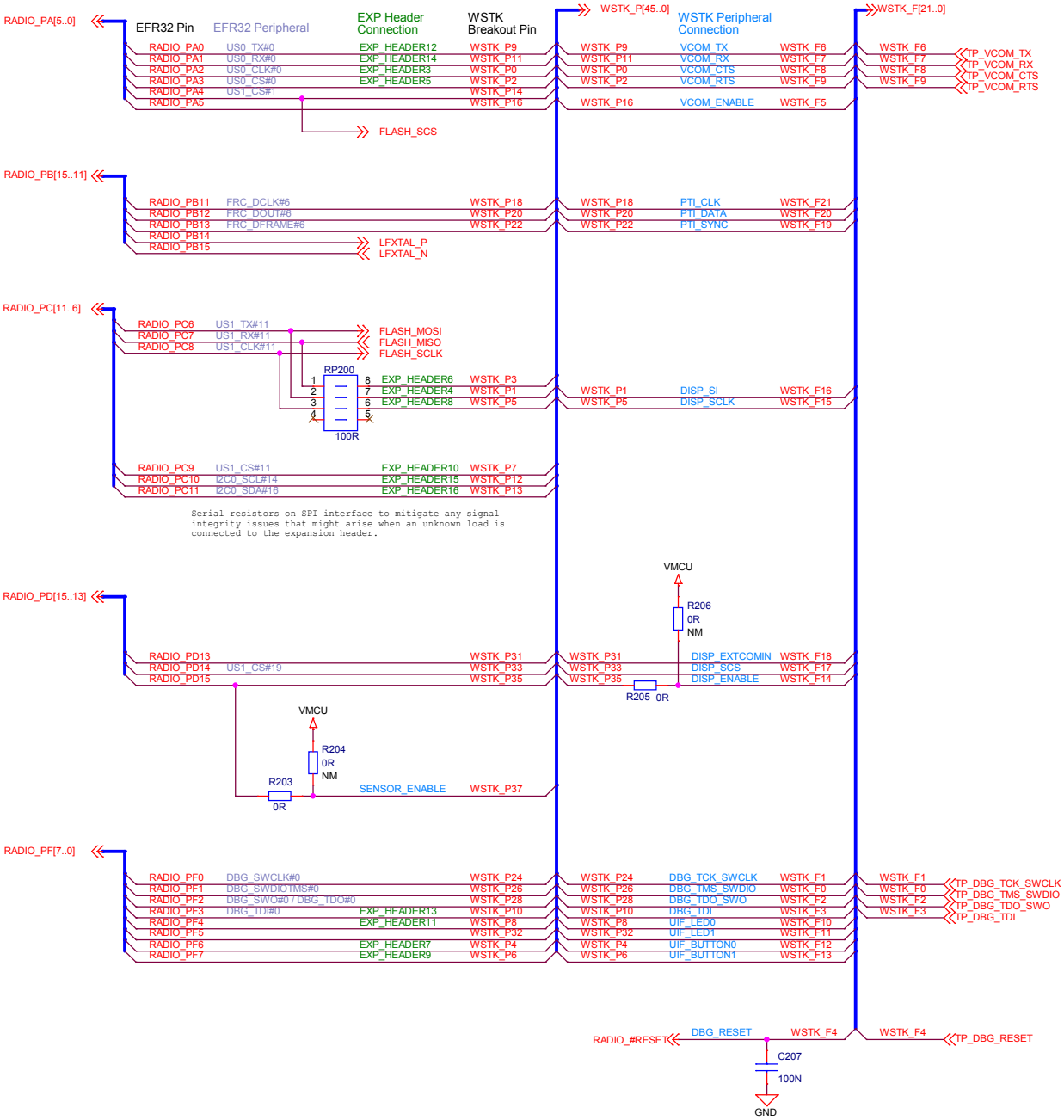
Schematic Title: **EFR32MG12 Dual Band 2400/434 MHz Radio Board**

Page Title: **RF, Antenna and Power**

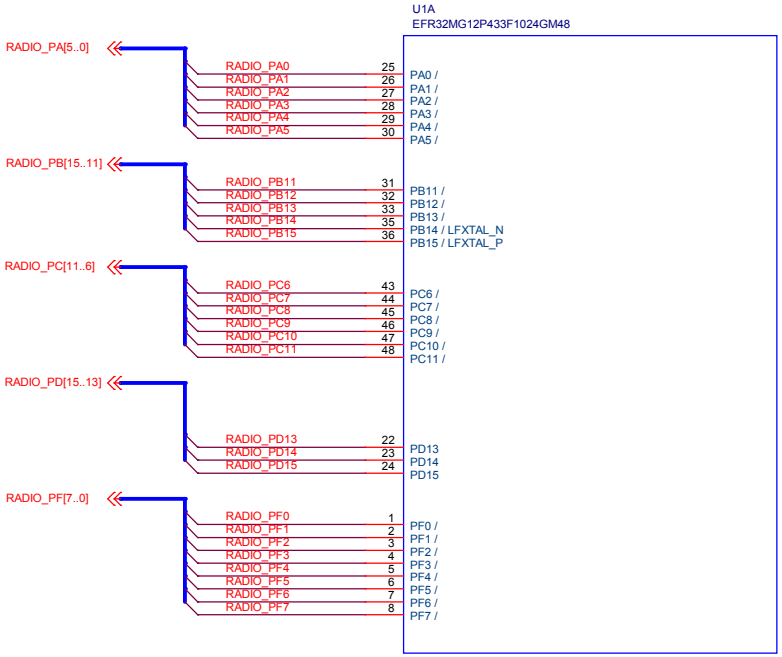
Document number	Revision
BRD4173A	A00

Sheet Created Date	Sheet Modified Date	Sheet
Friday, November 03, 2017	Tuesday, March 13, 2018	2 of 4

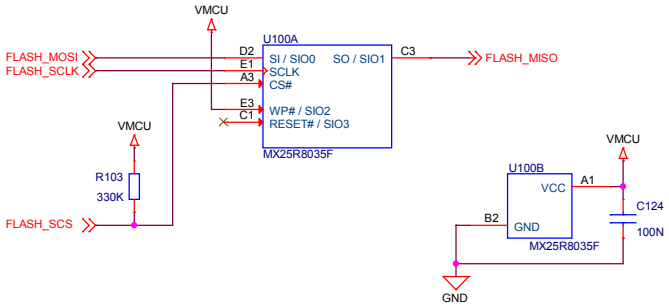
Pin Mapping



I/O Port Pins



Serial Flash



SCHEMATIC1

SILICON LABS

Designed: <OrgAddr1>	Approved: <OrgAddr2>
Size: A3	BOM Doc No: <Cage Code>
Design Created Date: Friday, November 03, 2017	

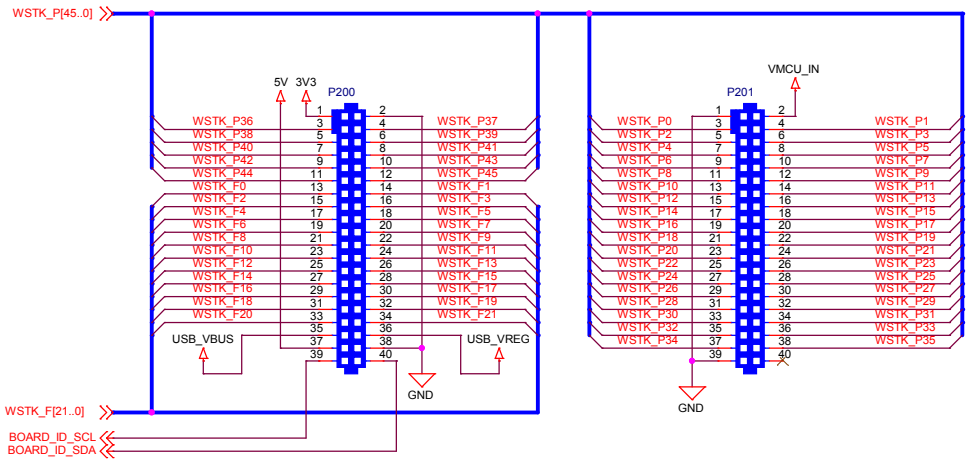
Schematic Title: **EFR32MG12 Dual Band 2400/434 MHz Radio Board**

Page Title: **I/O Port Connections**

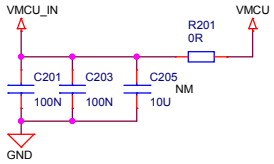
Document number	Revision
BRD4173A	A00

Sheet Created Date	Sheet Modified Date	Sheet
Friday, November 03, 2017	Tuesday, March 13, 2018	3 of 4

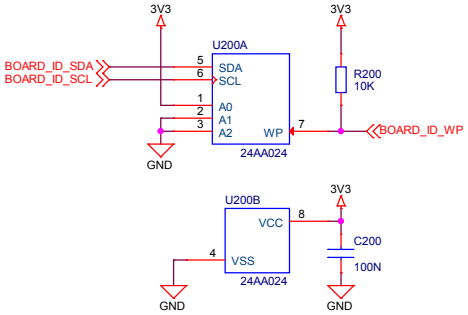
WSTK Connectors



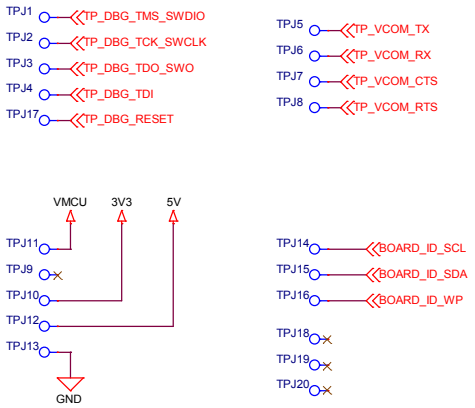
WSTK Power Decoupling



Board Identification



Test Points



SCHEMATIC1

SILICON LABS

Designed: <OrgAddr1>	Approved: <OrgAddr2>
Size: A3	BOM Doc No: <Cage Code>
Design Created Date: Friday, November 03, 2017	

Schematic Title: **EFR32MG12 Dual Band 2400/434 MHz Radio Board**

Page Title: **WSTK Connectors & Board ID**

Document number: **BRD4173A**		Revision: A00
Sheet Created Date: Friday, November 03, 2017	Sheet Modified Date: Tuesday, March 13, 2018	Sheet: 4 of 4