



EFR32BG14 Blue Gecko Radio Board
2.4 GHz 10 dBm, VDCDC to PAVDD


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

Revision History

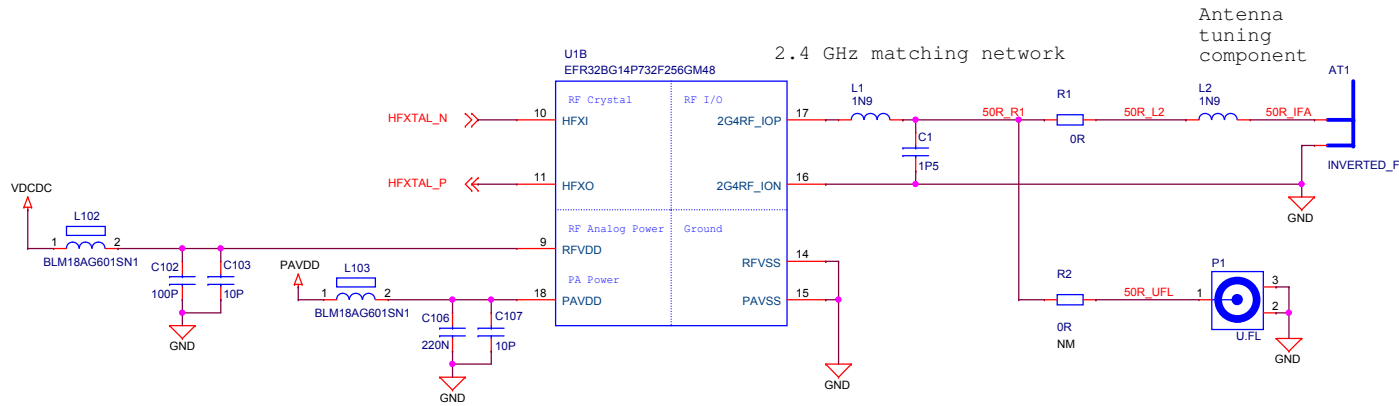
Rev.	Description
A00	Initial revision.
A01	Updating EFR revision to Rev. B.



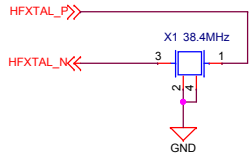
SCHEMATIC1

<Path Name>		Schematic Title	
		EFR32BG14 2.4 GHz 10 dBm Radio Board	
Designed: JSH		Page Title	
Approved: JNO		Title Page	
Size A3	BOM Doc No: <Cage Code>	Document number BRD4105A	Revision A01
Design Created Date: Monday, April 02, 2012		Sheet Created Date Monday, April 02, 2012	Sheet Modified Date Tuesday, August 29, 2017
		Sheet 1 of 4	

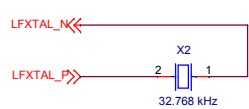
Antenna & Radio Interface



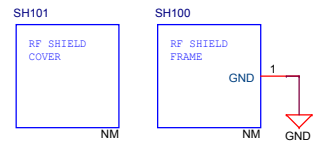
High Frequency Crystal



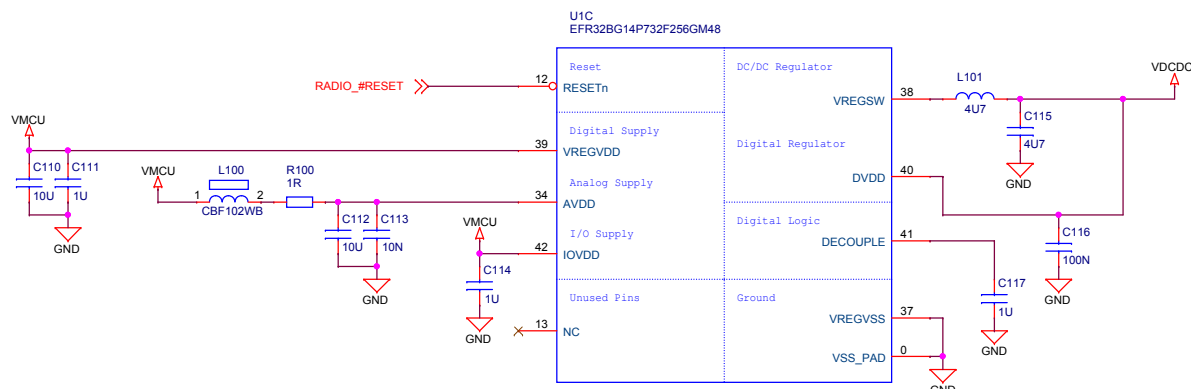
Low Frequency Crystal



RF Shielding

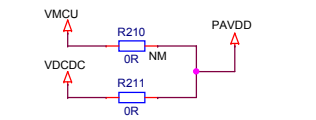


Power & Decoupling




PAVDD Configuration

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



<Schematic Path>
SCHEMATIC1



SILICON LABS

Schematic Title
EFR32BG14 2.4 GHz 10 dBm Radio Board

Page Title
RF, Antenna and Power

Document number
BRD4105A

Revision
A01

Designed:
JSH

Approved:
JNO

Size
A3

BOM Doc No:
<Cage Code>

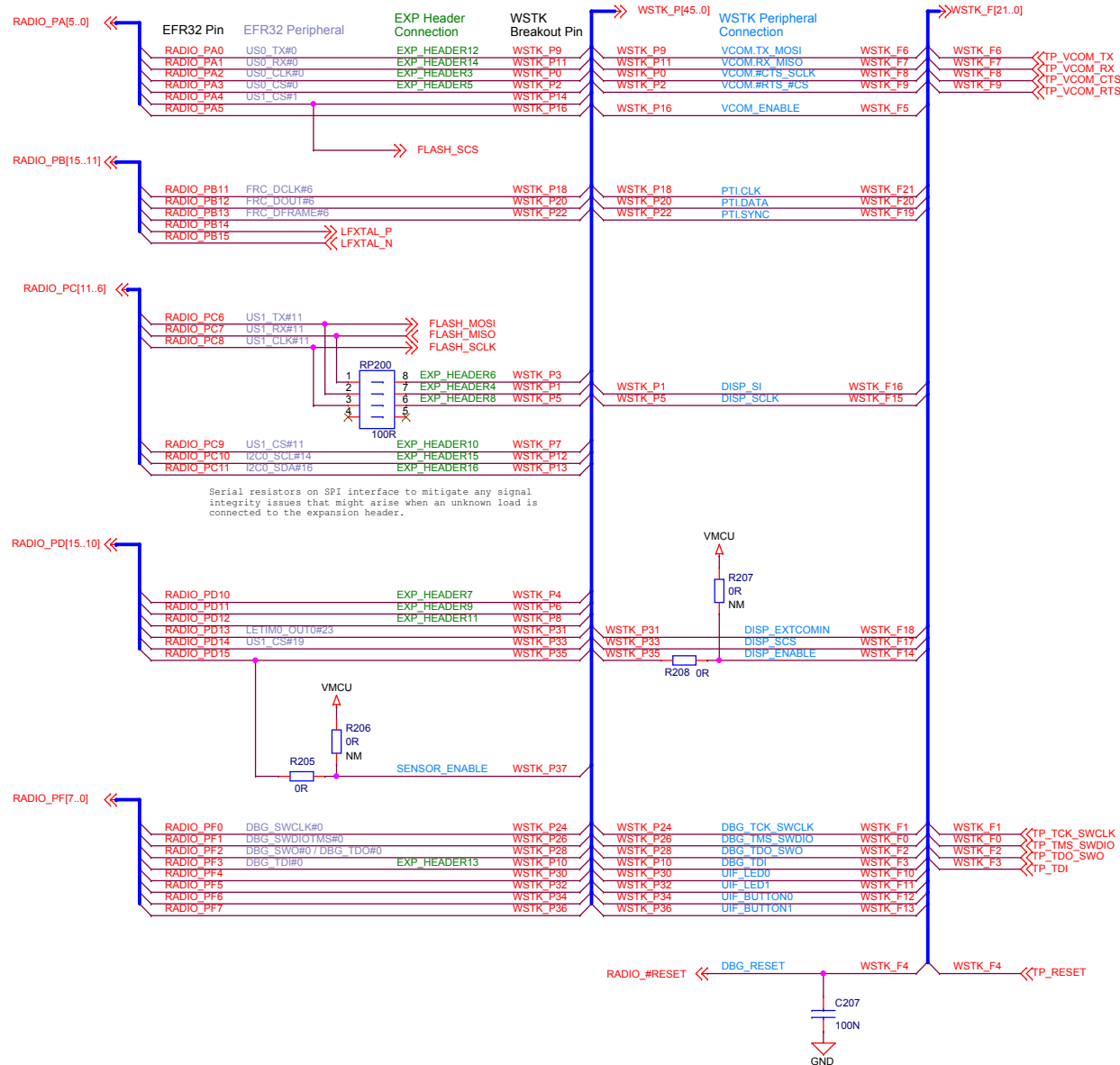
Design Created Date:
Monday, April 02, 2012

Sheet Created Date
Monday, April 02, 2012

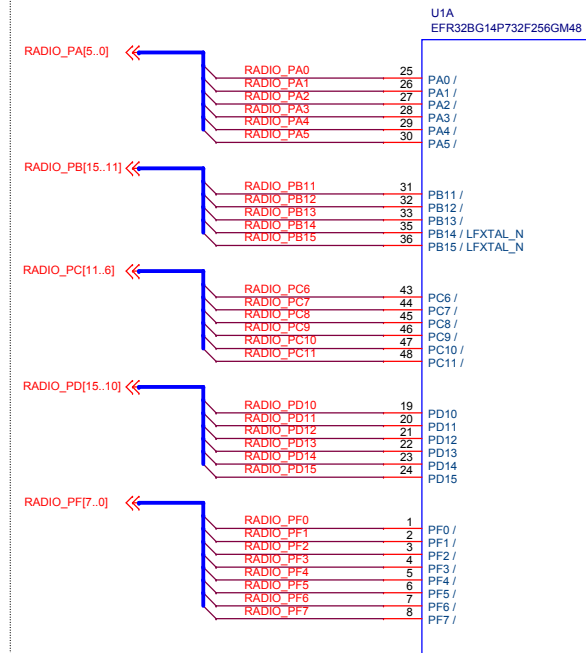
Sheet Modified Date
Tuesday, August 29, 2017

Sheet
2 of 4

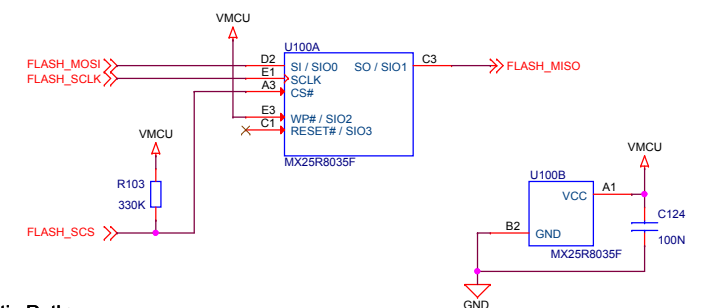
EFR32 Pin Mapping



EFR32 I/O Port Pins



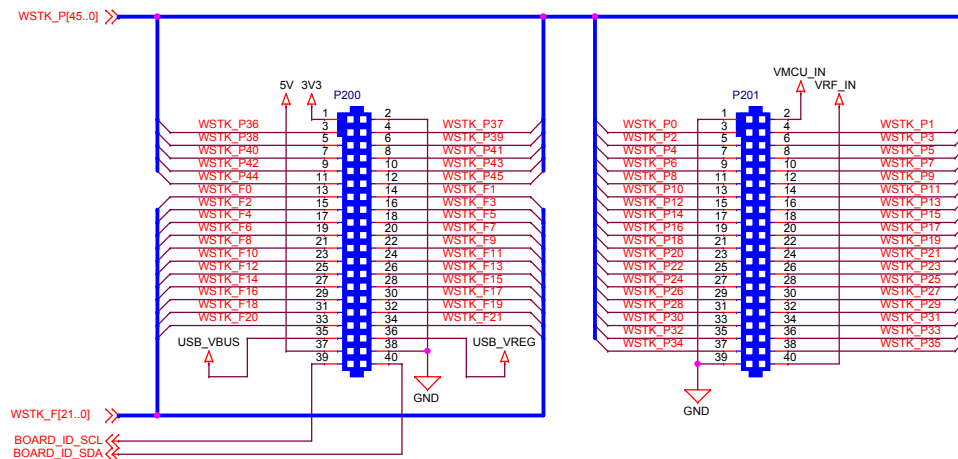
Serial Flash



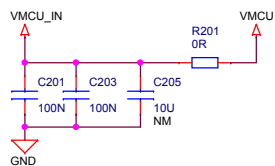
<Schematic Path>
SCHEMATIC1

		Schematic Title EFR32BG14 2.4 GHz 10 dBm Radio Board	
Page Title EFR32 I/O Port Connections			
Designed: JSH	Approved: JNO		
Size A3	BOM Doc No: <Cage Code>	Document number BRD4105A	Revision A01
Design Created Date: Monday, April 02, 2012		Sheet Created Date Wednesday, April 11, 2012	Sheet Modified Date Tuesday, August 29, 2017
			Sheet 3 of 4

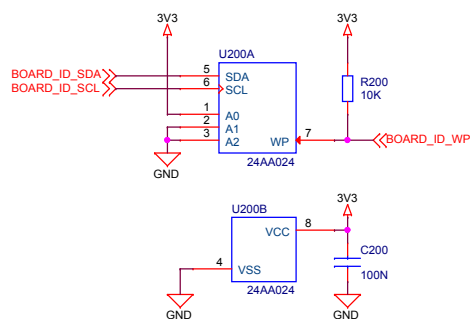
WSTK Connectors



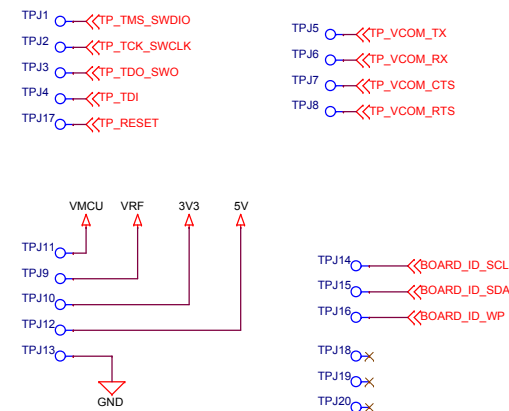
WSTK Power Decoupling




Board Identification



Test Points



<Schematic Path>
SCHEMATIC1

		Schematic Title	
Designed: JSH		EFR32BG14 2.4 GHz 10 dBm Radio Board	
Size A3		Page Title	
BOM Doc No: <Cage Code>		WSTK Connectors & Board ID	
Design Created Date: Monday, April 02, 2012		Document number	Revision
		BRD4105A	A01
Sheet Created Date: Tuesday, April 03, 2012		Sheet Modified Date: Tuesday, August 29, 2017	Sheet 4 of 4