




EFR32 Mighty Gecko Dual Band Radio Board
2.4 GHz / 434 MHz 10 dBm, DCDC to PAVDD

Board Function	Page
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RF, Antenna & Power	2
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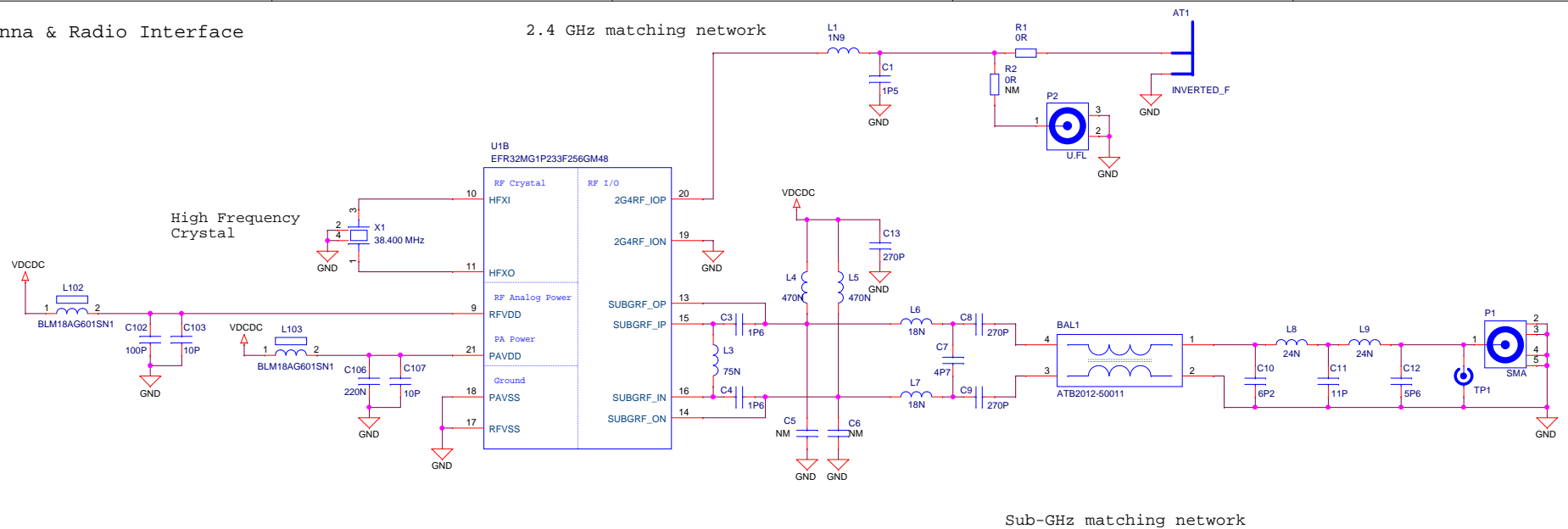
Revision History	
Rev.	Description
A00	Initial release.



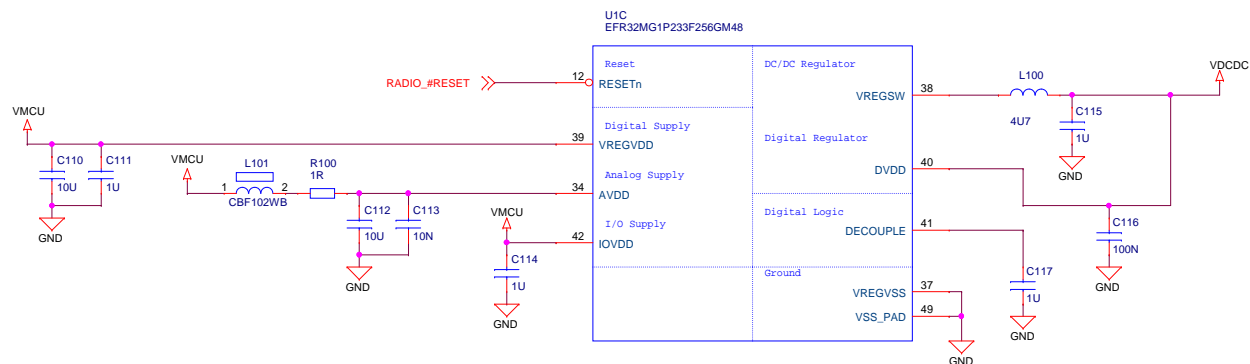
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		EFR32MG Dual Band 2400/434 MHz Radio	
Page Title			
Title Page			
Designed: JSH		Approved: JNO	
Size A3		Document number BRD4152A	
BOM Doc No: <Cage Code>		Revision A00	
Design Created Date: Monday, April 02, 2012		Sheet Created Date Monday, April 02, 2012	
		Sheet Modified Date Friday, February 19, 2016	
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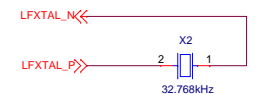
Antenna & Radio Interface



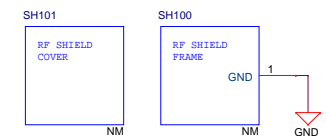
Power & Decoupling



Low Frequency Crystal



RF Shielding



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EFR32MG Dual Band 2400/434 MHz Radio Boa		Page Title	
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EFR32 I/O Port Pins

U1A
EFR32MG1P233F256GM48

RADIO_PA[5..0] <<< RADIO_PA0 25 PA0 /
RADIO_PA1 26 PA1 /
RADIO_PA2 27 PA2 /
RADIO_PA3 28 PA3 /
RADIO_PA4 29 PA4 /
RADIO_PA5 30 PA5 /

RADIO_PB[15..11] <<< RADIO_PB11 31 PB11 /
RADIO_PB12 32 PB12 /
RADIO_PB13 33 PB13 /
RADIO_PB14 35 PB14 / LFX TAL_N
RADIO_PB15 36 PB15 / LFX TAL_P

RADIO_PC[11..6] <<< RADIO_PC6 43 PC6 /
RADIO_PC7 44 PC7 /
RADIO_PC8 45 PC8 /
RADIO_PC9 46 PC9 /
RADIO_PC10 47 PC10 /
RADIO_PC11 48 PC11 /

RADIO_PD[15..13] <<< RADIO_PD13 22 PD13
RADIO_PD14 23 PD14
RADIO_PD15 24 PD15

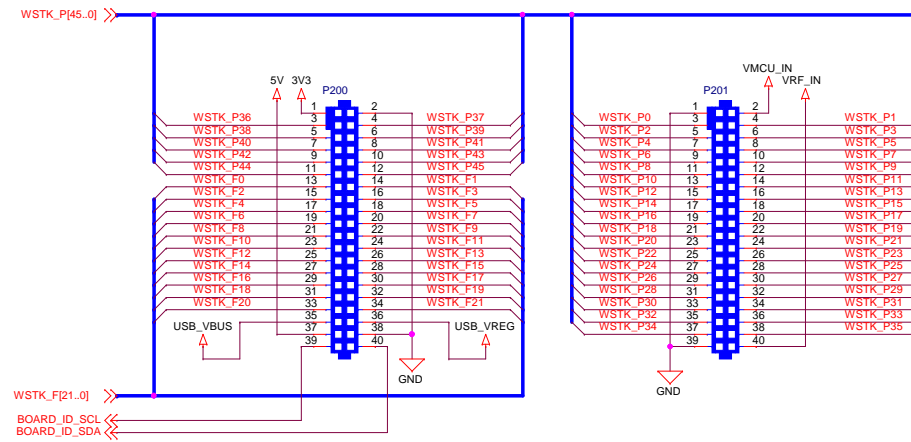
RADIO_PF[7..0] <<< RADIO_PF0 1 PF0 /
RADIO_PF1 2 PF1 /
RADIO_PF2 3 PF2 /
RADIO_PF3 4 PF3 /
RADIO_PF4 5 PF4 /
RADIO_PF5 6 PF5 /
RADIO_PF6 7 PF6 /
RADIO_PF7 8 PF7 /

FLASH_MISO C3 >>> FLASH_MOSI
FLASH_SCK
FLASH_SCS >>> VMCU
R103 330K
VMCU
U100A
SI / SIO0 SO / SIO1 C3
SCLK
CS#
E1
A3
E3
C1
WP# / SIO2
RESET# / SIO3
MX25R8035F

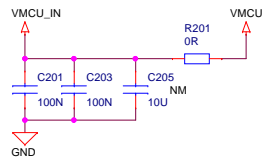
U100B
VCC A1
GND B2
C124 100N
VMCU
GND

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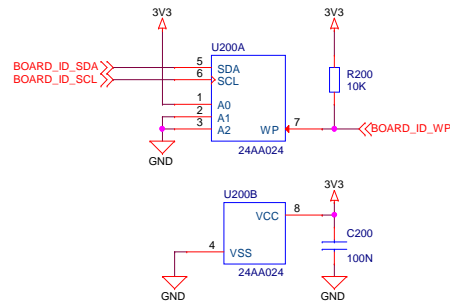
WSTK Connectors



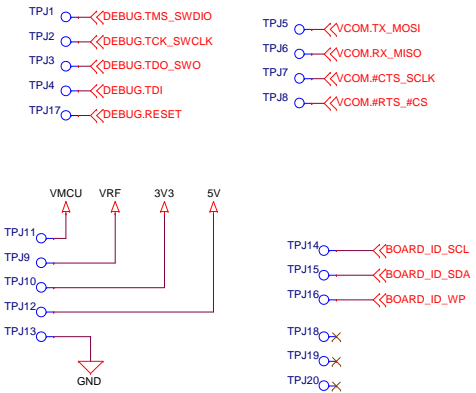
WSTK Power Decoupling




Board Identification



Test Points



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