

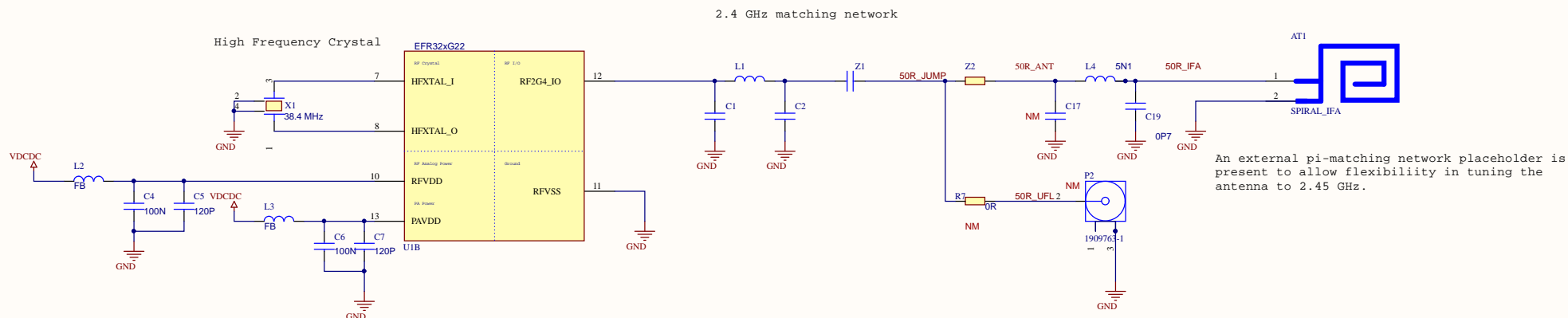
EFR32xG22 Low Cost Reference Design
2.4 GHz, +6 dBm

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Revision History	
Rev.	Description
A00	Initial release
A01	- Added antenna matching network placeholder - Removed R9 and L4 - Updated EFR32xG22 matching network - Added coin cell battery holder
A02	- Modified reference designators to populate components for a Pi-match or T-match depending on the BOM

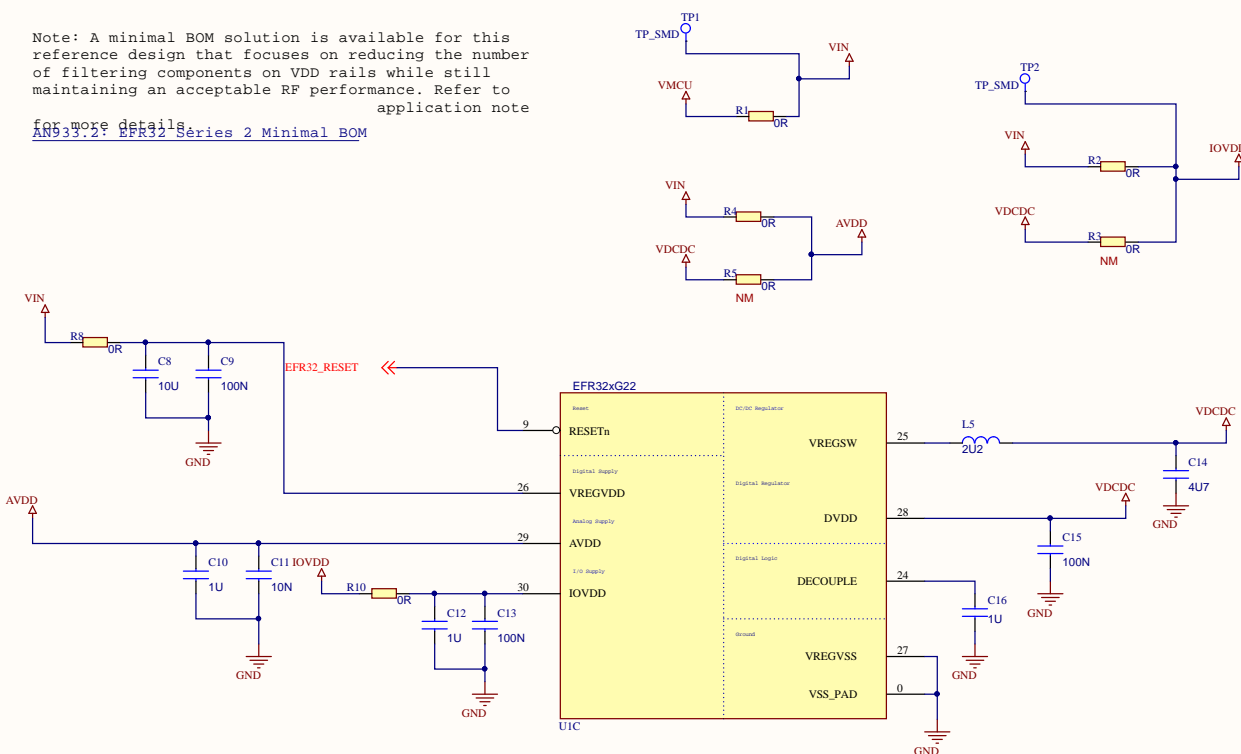
Antenna & Radio Interface



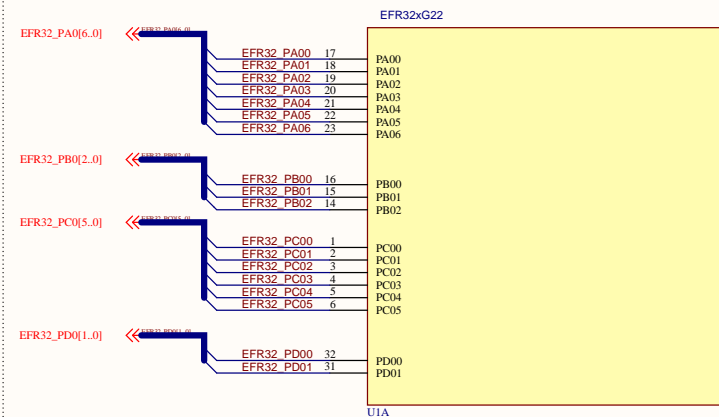
Power & Decoupling

Note: A minimal BOM solution is available for this reference design that focuses on reducing the number of filtering components on VDD rails while still maintaining an acceptable RF performance. Refer to application note

for more details.
AN933.2: EFR32 Series 2 Minimal BOM

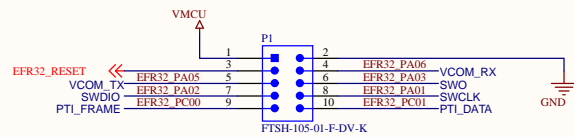


I/O Port Pins

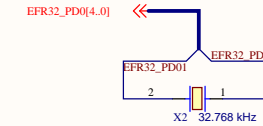


Schematic Title			
EFR32xG22 Low Cost Reference Design			
Page Title			
RF, Antenna, and Power			
Document number			Revision
EFR32xG22_LCRD			A02
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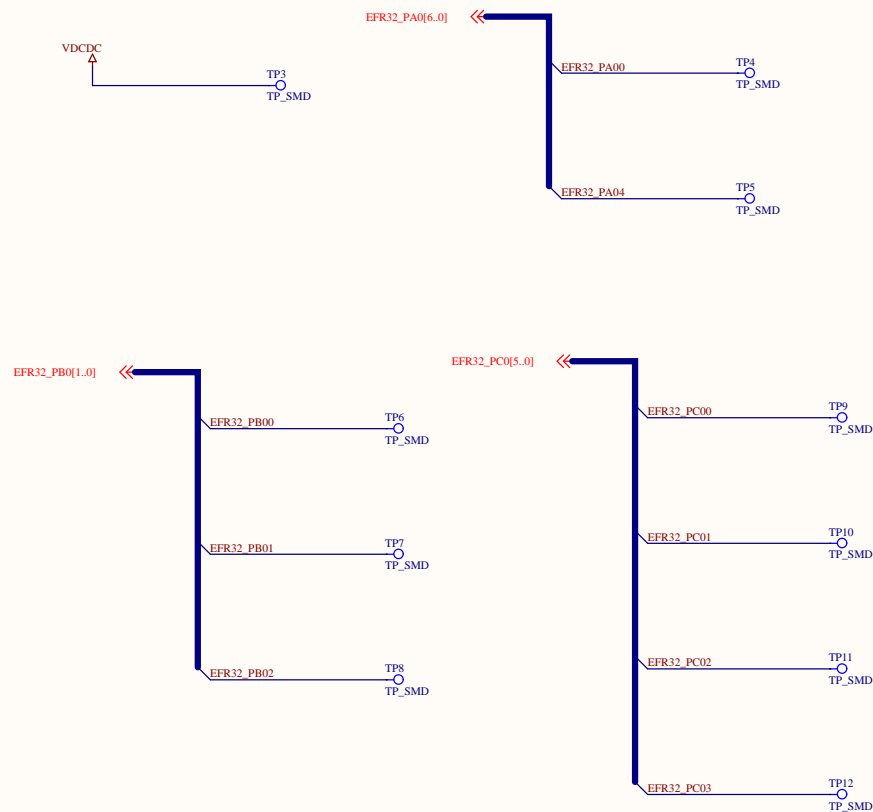
Debug Connections



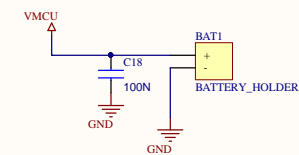
Low Frequency Crystal




Test Points



CR2032 Coin Cell Holder



		Schematic Title	
		EFR32xG22 Low Cost Reference Design	
Design		Page Title	
A3		Debug, Power & Misc.	
Date		Document number	
March 23, 2020		EFR32xG22_LCRD	
Sheet Created Date		Revision	
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