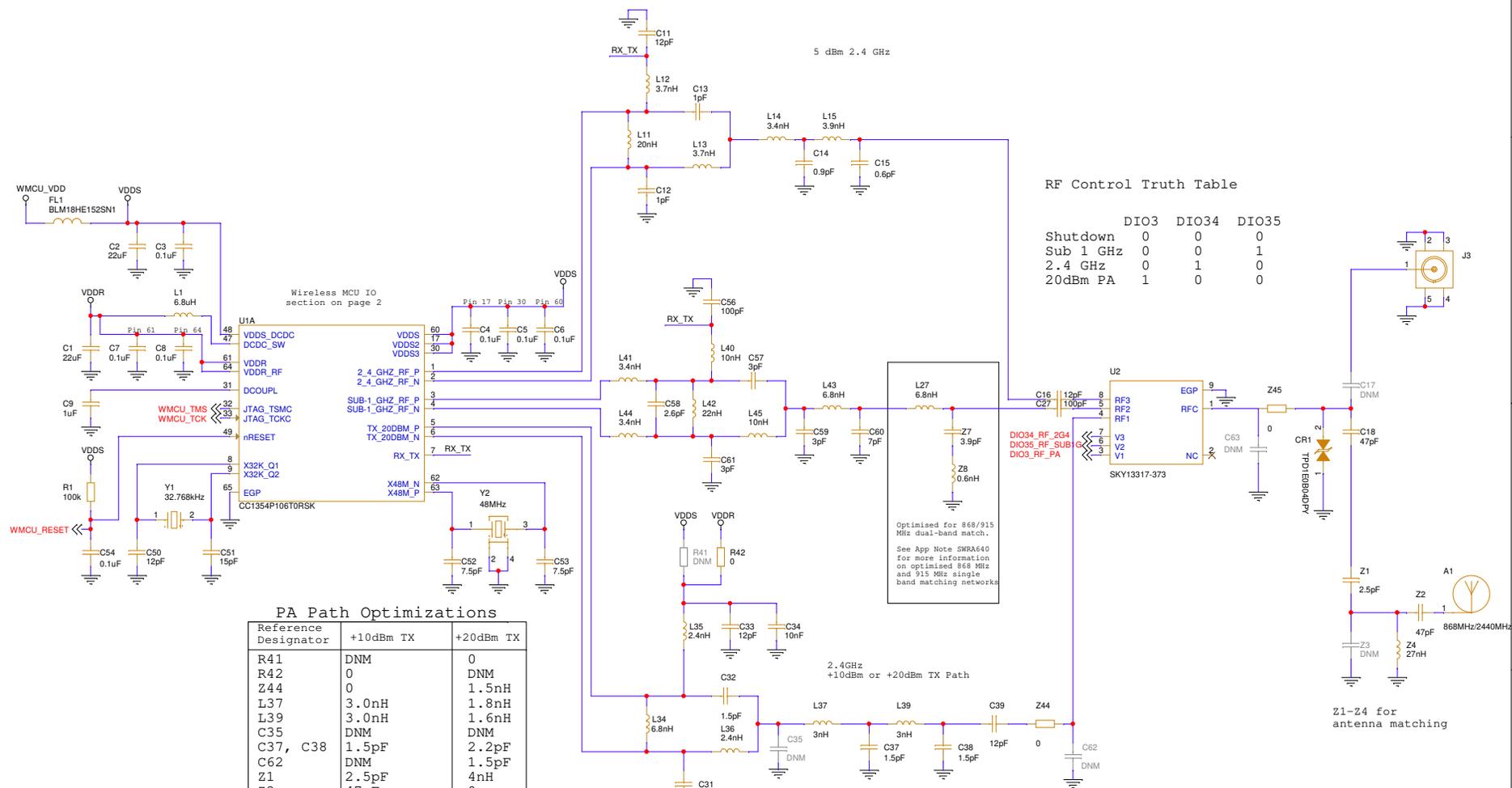


Wireless MCU RF

Wireless MCU IO block placed on page 2



RF Control Truth Table

	DIO3	DIO34	DIO35
Shutdown	0	0	0
Sub 1 GHz	0	0	1
2.4 GHz	0	1	0
20dBm PA	1	0	0

PA Path Optimizations

Reference Designator	+10dBm TX	+20dBm TX
R41	DNM	0
R42	0	DNM
Z44	0	1.5nH
L37	3.0nH	1.8nH
L39	3.0nH	1.6nH
C35	DNM	DNM
C37, C38	1.5pF	2.2pF
C62	DNM	1.5pF
Z1	2.5pF	4nH
Z2	47pF	0
Z3	DNM	DNM
Z4	27nH	DNM
CR1	TPD1E0B04DPY	DNM

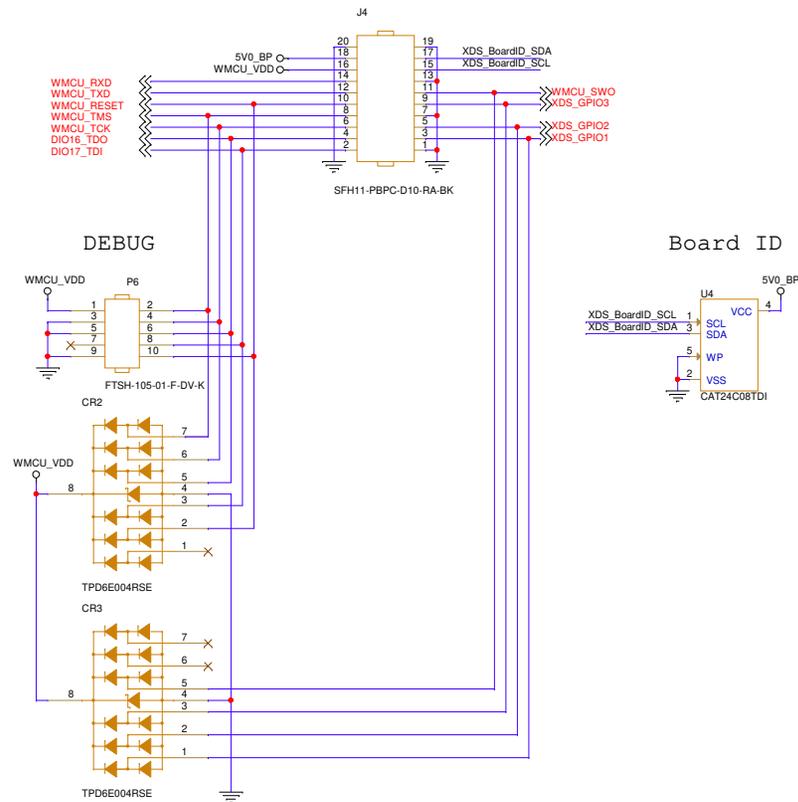
Optimized for 868/915 MHz dual-band match. See App Note SWRA640 for more information on optimized 868 MHz and 915 MHz single band matching networks

Z1-Z4 for antenna matching

Title: LP-EM-CC1354P10-6		TEXAS INSTRUMENTS	
Drawn: BK	Checked: Team Reviewed		PN: MCU088
Size: A3	Rev: B	Sheet: 1 of 4	Date: Monday, August 05, 2024

XDS110 Debugger Interface

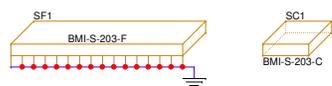
Use P5 for debugging the wireless MCU with an external debugger (requires that all jumpers be removed)



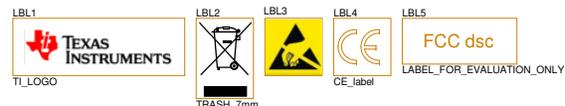
Title: LP-EM-CC1354P10-6		TEXAS INSTRUMENTS	
Drawn: BK	Checked: Team Reviewed		PN: MCU088
Size: A3	Rev: B	Sheet: 3 of 4	Date: Monday, August 05, 2024

Mechanical

Shield



Labels



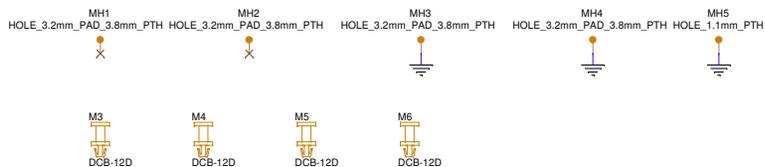
Jumpers (P1)



Fiducials



Mounting Holes



Title: LP-EM-CC1354P10-6		TEXAS INSTRUMENTS	
Drawn: BK	PN: MCU088		
Checked: Team Reviewed			
Size: A3	Rev: B	Sheet: 4 of 4	
Date: Monday, August 05, 2024			