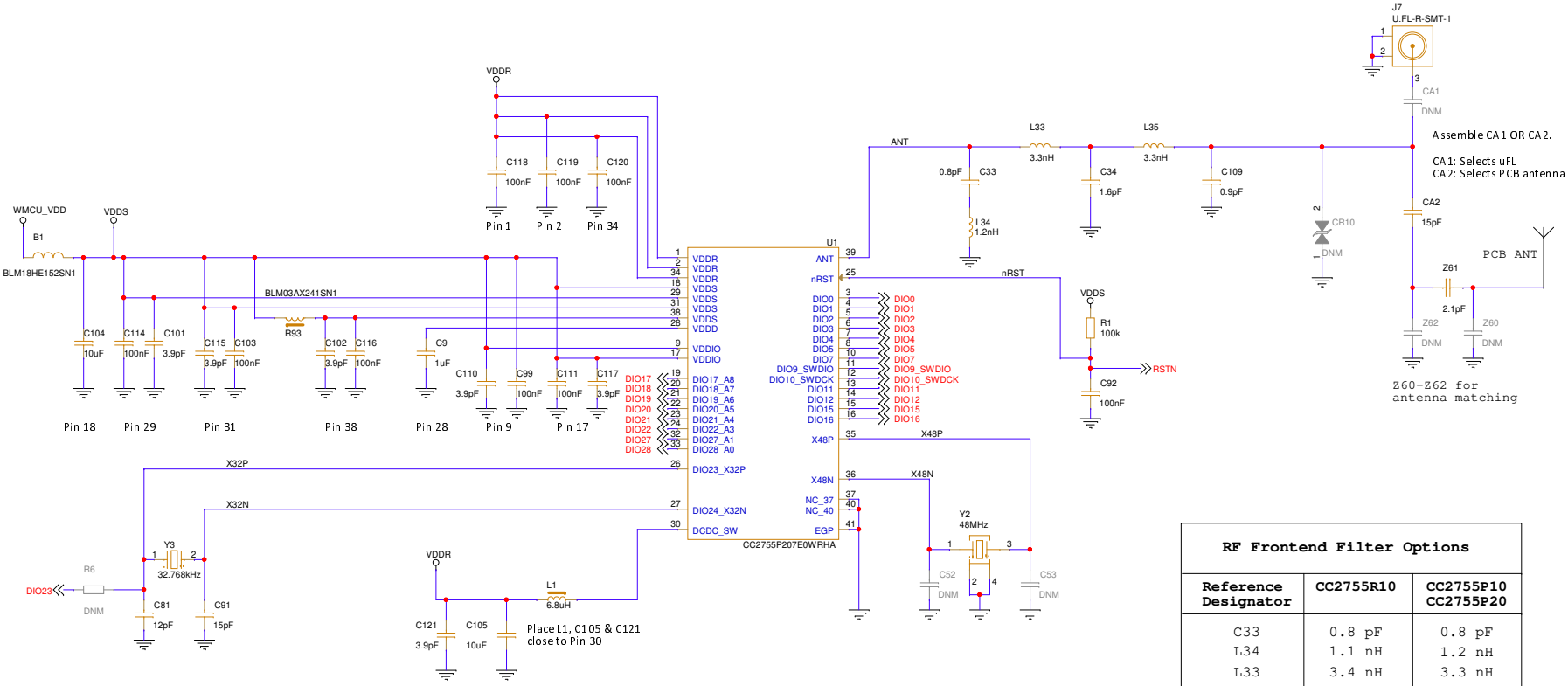
Wireless MCU RF



VDDS / VDDIO / VDDR Options

Reference Designator	CC2755R10	CC2755P10 CC2755P20
C101	DNM	3.9 pF
C102	DNM	3.9 pF
C111	DNM	3.9 pF
C115	DNM	3.9 pF
C117	DNM	3.9 pF
C121	DNM	3.9 pF
R93	0 ohm	BLM03AX241SN1

RF Frontend Filter Options

Reference Designator	CC2755R10	CC2755P10 CC2755P20
C33	0.8 pF	0.8 pF
L34	1.1 nH	1.2 nH
L33	3.4 nH	3.3 nH
C34	1.2 pF	1.6 pF
L35	0 ohm	3.3 nH
C109	DNM	0.9 pF
CR10	TPD1E0B04D	DNM

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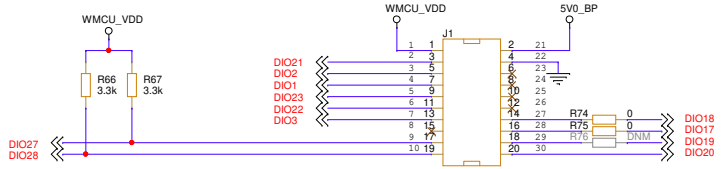
BoosterPack Headers and Peripherals

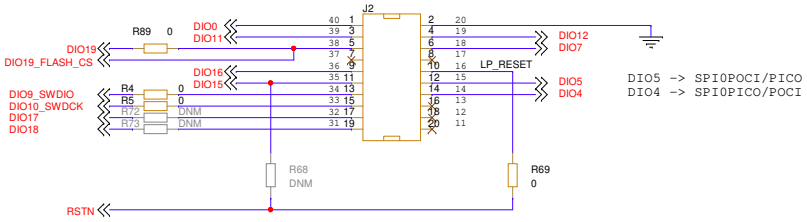
FOR SERIAL BOOTLOADER

DIO2 -> UART0RX
DIO1 -> UART0TX



DIO27 -> I2C0SCL
DIO28 -> I2C0SDA

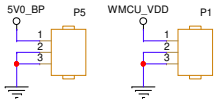
DIO18 -> CAN0RX or I2S0WS
DIO17 -> CAN0TX or I2S0CLK
DIO19 -> I2S0SDO
DIO20 -> I2S0SDI



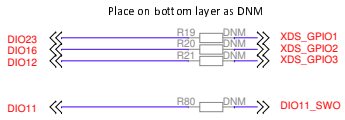
DIO5 -> SPI0POCI/PICO
DIO4 -> SPI0PICO/POCI

NOTE:
R72 and R73 are DNM.
As default, I2S interface is connected to BoosterPack Header pins BP.31 and BP.32.
To connect CAN0 interface, remove R72 and R73 and mount R74 and R75.

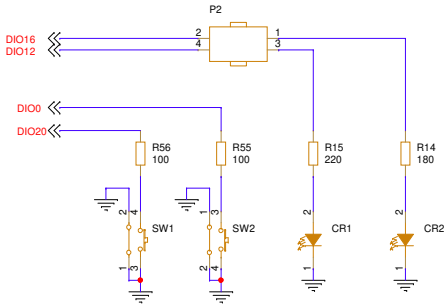
5V and 3V headers



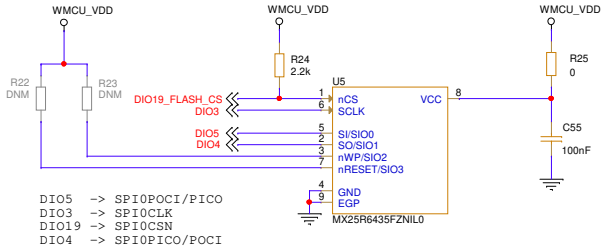
Place on bottom layer as DNM



Buttons



External flash



DIO5 -> SPI0POCI/PICO
DIO3 -> SPI0CLK
DIO19 -> SPI0CSN
DIO4 -> SPI0PICO/POCI

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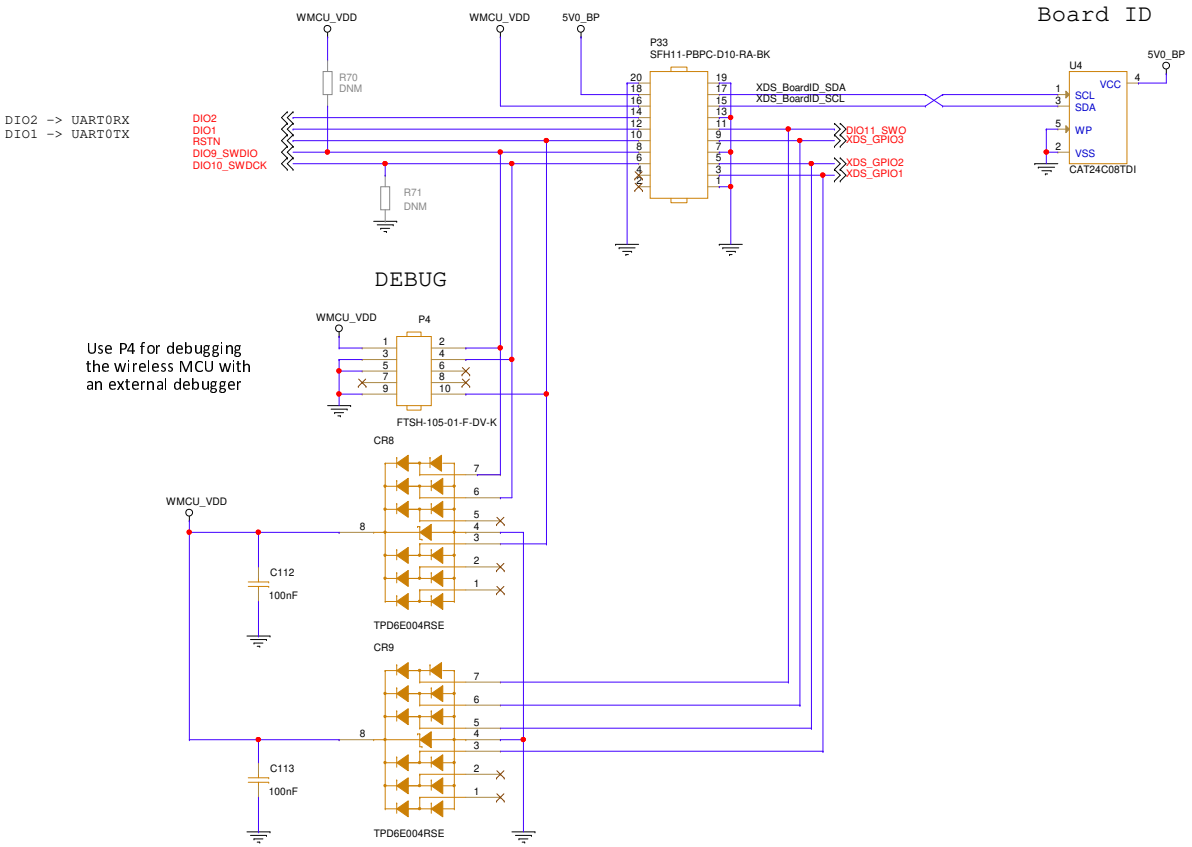
XDS110 Debugger Interface



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Drawn:	RGW/RdS	PN:	MCU176
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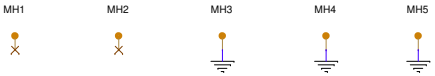
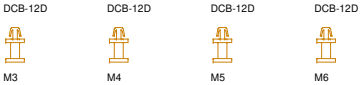
Mechanical

Jumpers for P2 LED headers

Mounting Holes



Standoffs

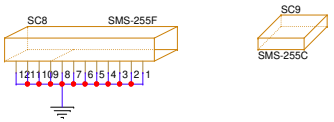


Labels

Fiducials

PCB

Shield



Title: LP-EM-CC2755P20		TEXAS INSTRUMENTS
Drawn: RGW/RdS		PN: MCU176
Checked: Team Reviewed		
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