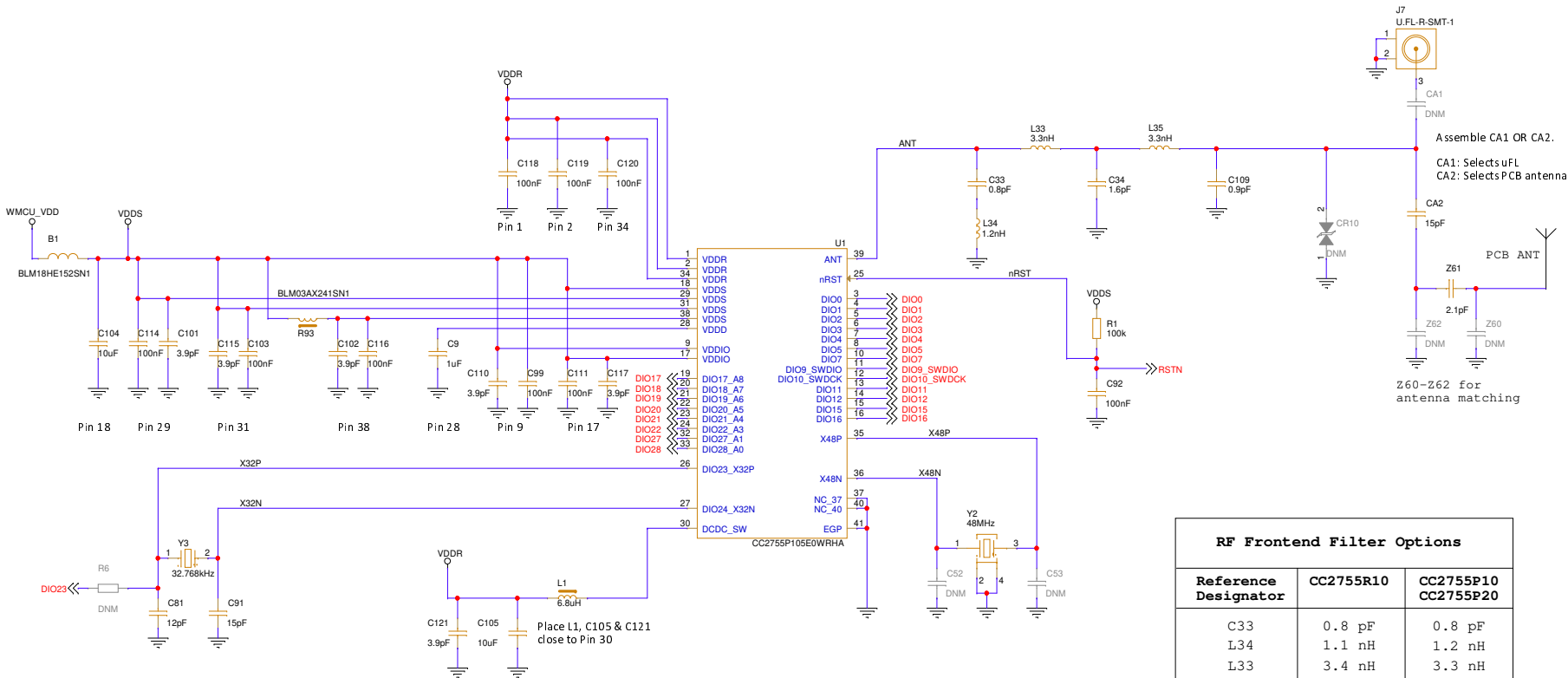


Wireless MCU RF



| VDDS / VDDIO / VDDR Options |           |                        |
|-----------------------------|-----------|------------------------|
| Reference Designator        | CC2755R10 | CC2755P10<br>CC2755P20 |
| C101                        | DNM       | 3.9 pF                 |
| C102                        | DNM       | 3.9 pF                 |
| C110                        | DNM       | 3.9 pF                 |
| C115                        | DNM       | 3.9 pF                 |
| C117                        | DNM       | 3.9 pF                 |
| C121                        | DNM       | 3.9 pF                 |
| R93                         | 0 ohm     | BLM03AX241SN1          |

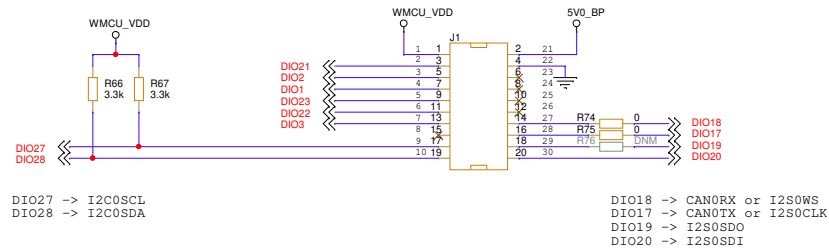
| RF Frontend Filter Options |            |                        |
|----------------------------|------------|------------------------|
| Reference Designator       | CC2755R10  | CC2755P10<br>CC2755P20 |
| C33                        | 0.8 pF     | 0.8 pF                 |
| L34                        | 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                    |

|                             |        |                                                                                                            |
|-----------------------------|--------|------------------------------------------------------------------------------------------------------------|
| Title: LP-EM-CC2755P10      |        |  TEXAS<br>INSTRUMENTS |
| Drawn: RGW                  |        |                                                                                                            |
| Checked: Team Reviewed      |        |                                                                                                            |
| Size: A3                    | Rev: B | Sheet: 1 of 4                                                                                              |
| Date: Friday, July 31, 2026 |        |                                                                                                            |

## BoosterPack Headers and Peripherals

FOR SERIAL BOOTLOADER

```
DIO2  ->  UART0RX
DIO1  ->  UART0TX
```

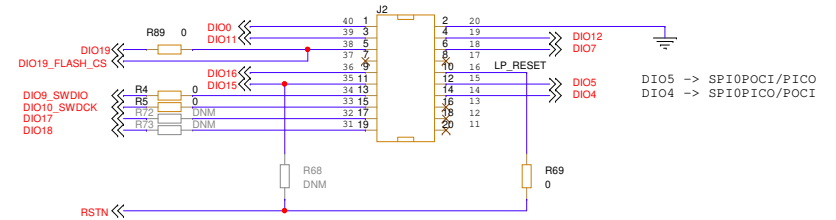


NOTE:

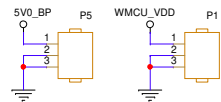
R72 and R73 are DNM.

As default, I2S interface is connected to BoosterPack Header pins BP.31 and BP.32.

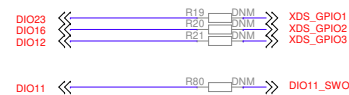
To connect CAN0 interface, remove R72 and R73 and mount R74 and R75.



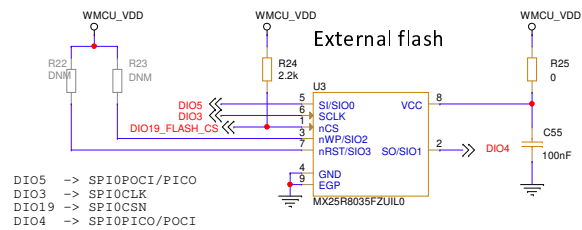
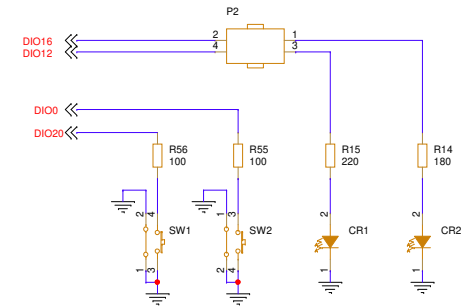
## 5V and 3V headers



Place on bottom layer as DNM

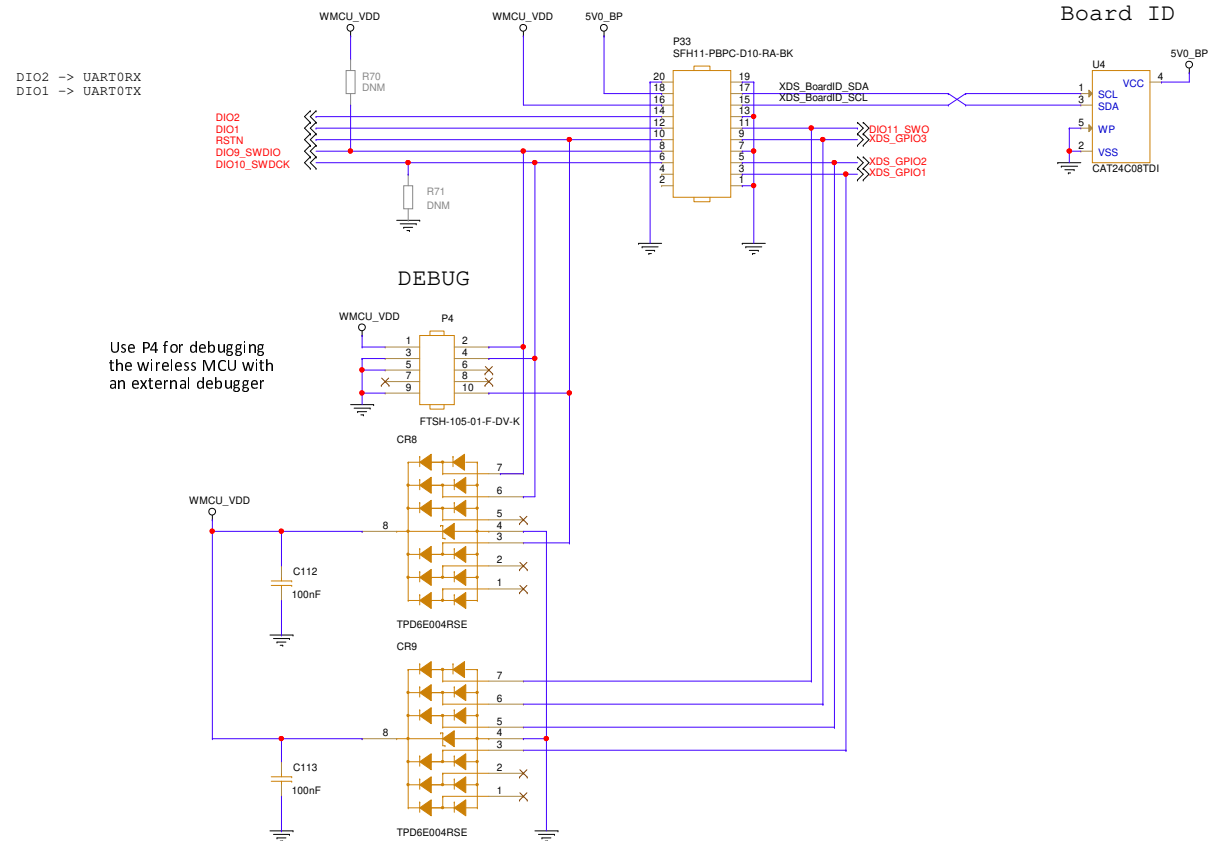


## Buttons



|                        |  |                                                                                                            |  |
|------------------------|--|------------------------------------------------------------------------------------------------------------|--|
| Title: LP-EM-CC2755P10 |  |  TEXAS<br>INSTRUMENTS |  |
| Drawn: RGW             |  | PN: MCU124                                                                                                 |  |
| Checked: Team Reviewed |  |                                                                                                            |  |
| Size: A3               |  | Rev: B                                                                                                     |  |
|                        |  | Sheet: 2 of 4                                                                                              |  |
| Date:                  |  | Friday, July 31, 2026                                                                                      |  |

# XDS110 Debugger Interface



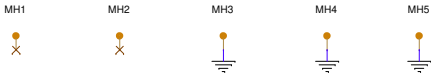
|                             |            |                                                                                                            |
|-----------------------------|------------|------------------------------------------------------------------------------------------------------------|
| Title: LP-EM-CC2755P10      |            |  TEXAS<br>INSTRUMENTS |
| Drawn: RGW                  | PN: MCU124 |                                                                                                            |
| Checked: Team Reviewed      |            |                                                                                                            |
| Size: A3                    | Rev: B     | Sheet: 3 of 4                                                                                              |
| Date: Friday, July 31, 2026 |            |                                                                                                            |

Mechanical

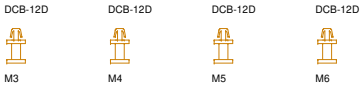
Jumpers for P2 LED headers



Mounting Holes



Standoffs



Labels



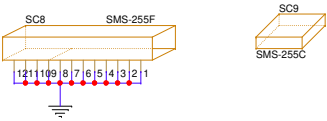
Fiducials



PCB



Shield



|                             |        |                      |
|-----------------------------|--------|----------------------|
| Title: LP-EM-CC2755P10      |        | TEXAS<br>INSTRUMENTS |
| Drawn: RGW                  |        |                      |
| Checked: Team Reviewed      |        | PN: MCU124           |
| Size: A3                    | Rev: B | Sheet: 4 of 4        |
| Date: Friday, July 31, 2026 |        |                      |