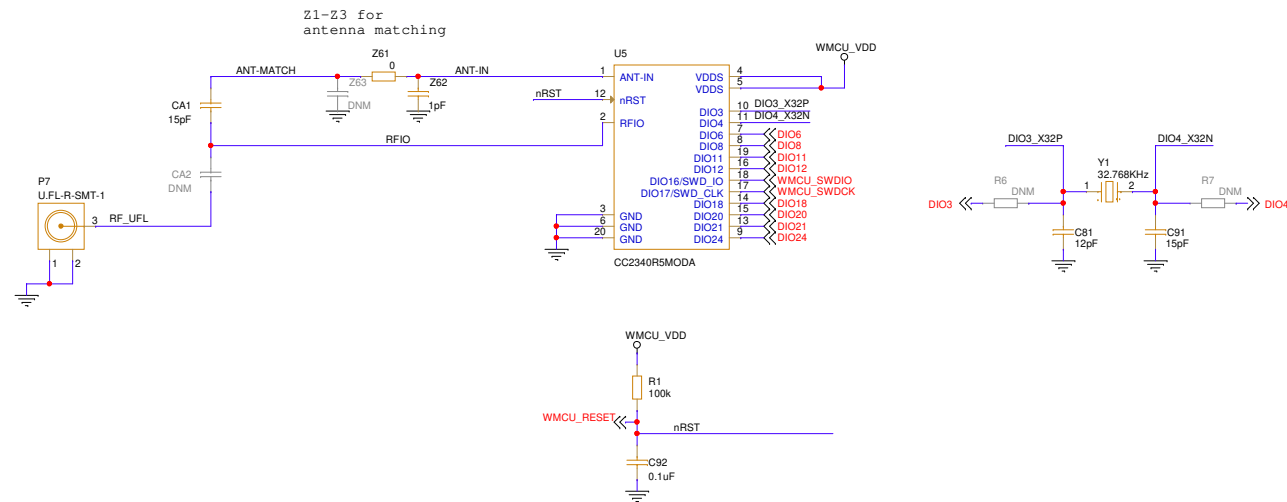


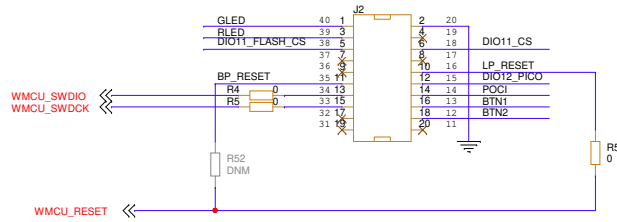
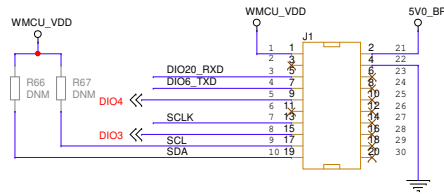
# Wireless MCU RF

Wireless MCU IO block placed on page 2

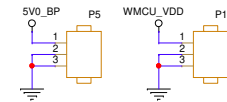


|                               |            |                                                                                                            |
|-------------------------------|------------|------------------------------------------------------------------------------------------------------------|
| Title: LP-EM-CC2340R5MODA     |            |  TEXAS<br>INSTRUMENTS |
| Drawn: BK                     | PN: MCU167 |                                                                                                            |
| Checked: Team Reviewed        |            |                                                                                                            |
| Size: A3                      | Rev: B     | Sheet: 1 of 4                                                                                              |
| Date: Thursday, June 25, 2026 |            |                                                                                                            |

# BoosterPack Headers and Peripherals



5V and 3V headers

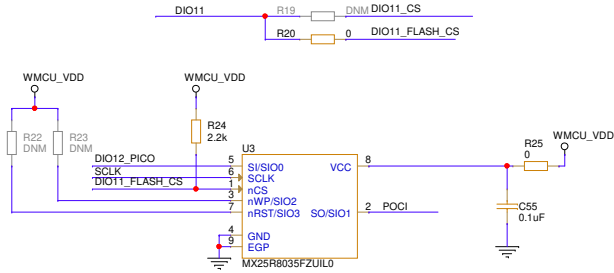


Wireless MCU IO block

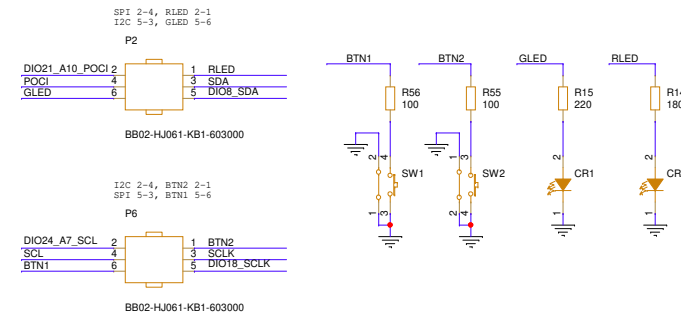


External flash

If external flash mounted, default to FLASH\_CS



Buttons / LEDs

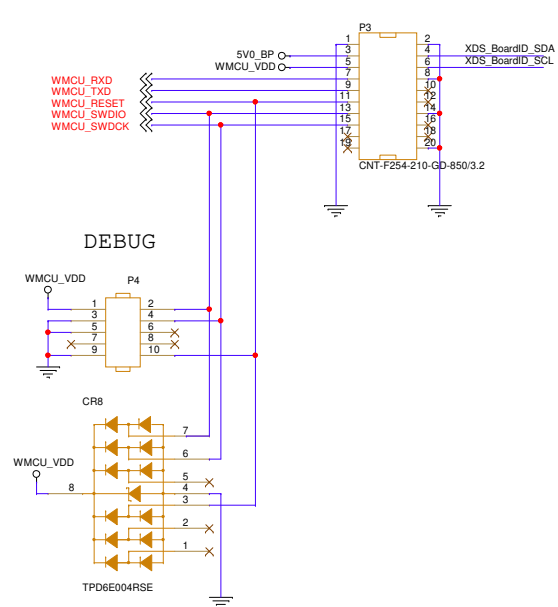


|                               |            |                                                                                                            |
|-------------------------------|------------|------------------------------------------------------------------------------------------------------------|
| Title:<br>LP-EM-CC2340R5MODA  |            |  TEXAS<br>INSTRUMENTS |
| Drawn: BK                     | PN: MCU167 |                                                                                                            |
| Checked: Team Reviewed        |            |                                                                                                            |
| Size: A3                      | Rev: B     | Sheet: 2 of 4                                                                                              |
| Date: Thursday, June 25, 2026 |            |                                                                                                            |

# XDS110 Debugger Interface

## Board ID

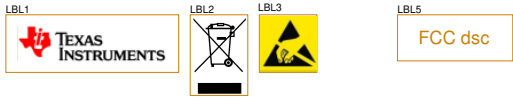
Use P4 for debugging  
the wireless MCU with an  
external debugger



|                           |                        |                   |                               |
|---------------------------|------------------------|-------------------|-------------------------------|
| Title: LP-EM-CC2340R5MODA |                        | TEXAS INSTRUMENTS |                               |
| Drawn: BK                 | Checked: Team Reviewed |                   | PN: MCU167                    |
| Size: A3                  | Rev: B                 | Sheet: 3 of 4     | Date: Thursday, June 25, 2026 |

Mechanical

Labels



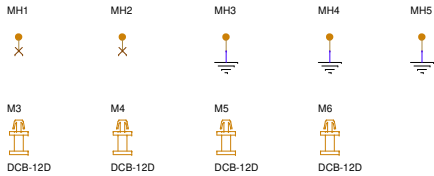
Jumpers P2 and P6



Fiducials



Mounting Holes



|                               |  |                                                                                                            |  |
|-------------------------------|--|------------------------------------------------------------------------------------------------------------|--|
| Title:<br>LP-EM-CC2340R5MODA  |  |  TEXAS<br>INSTRUMENTS |  |
| Drawn: BK                     |  | PN: MCU167                                                                                                 |  |
| Checked: Team Reviewer        |  |                                                                                                            |  |
| Size: A3                      |  | Rev: B                                                                                                     |  |
|                               |  | Sheet: 4 of 4                                                                                              |  |
| Date: Thursday, June 25, 2026 |  |                                                                                                            |  |