

A

A

B

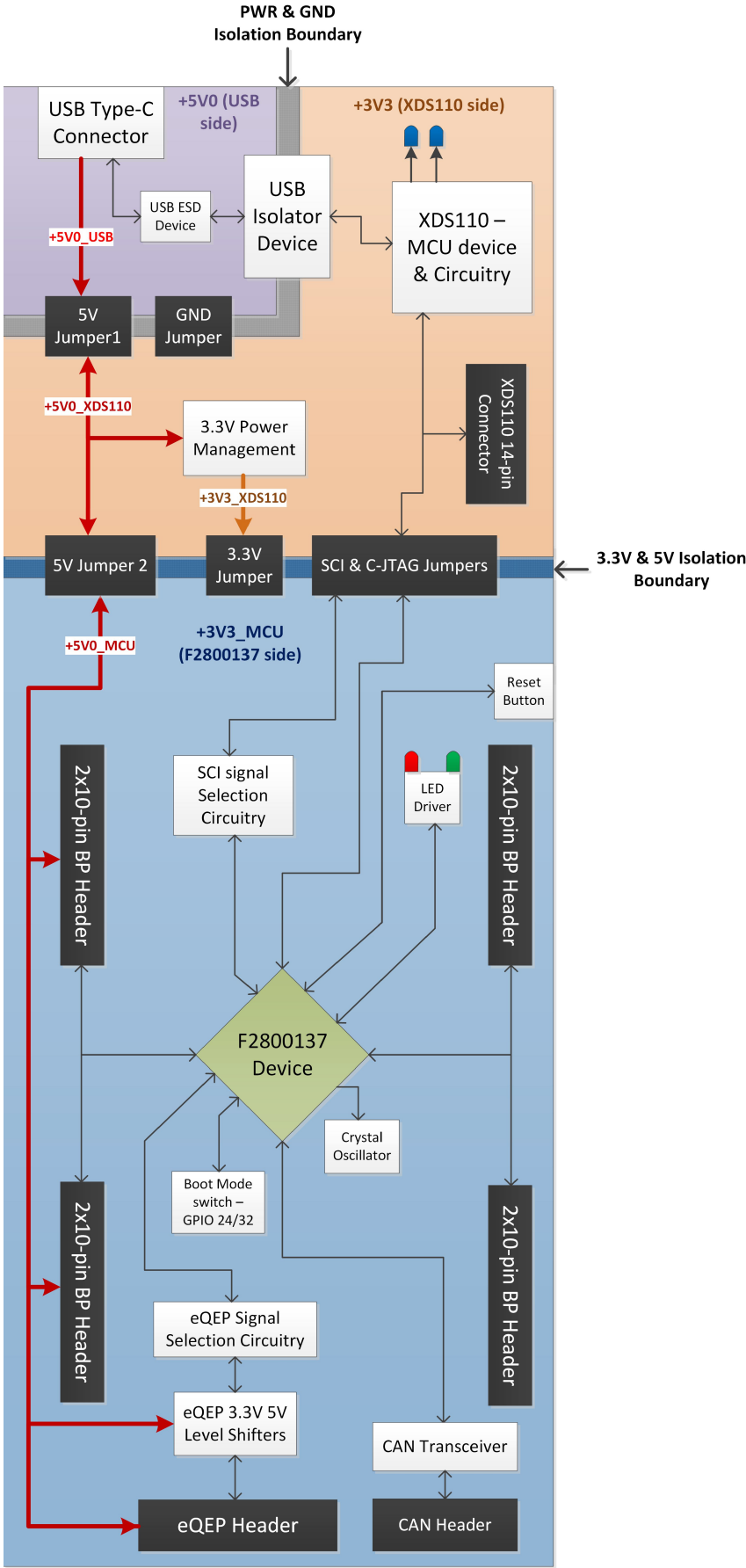
B

C

C

D

D



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A

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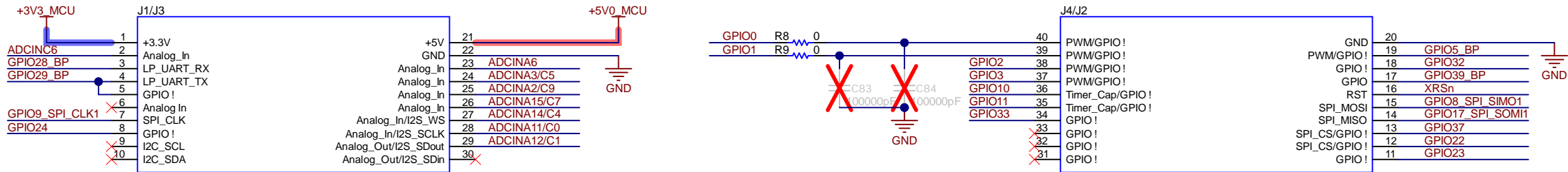
A

B

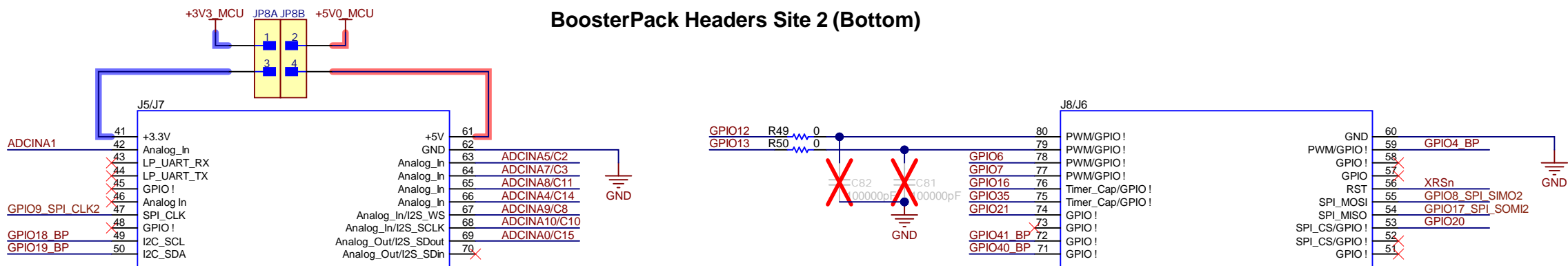
C

D

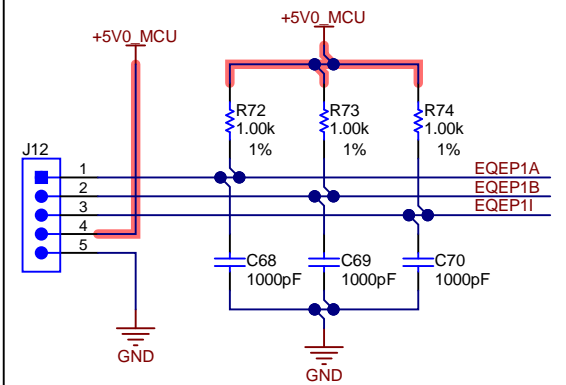
BoosterPack Headers Site 1 (Top)



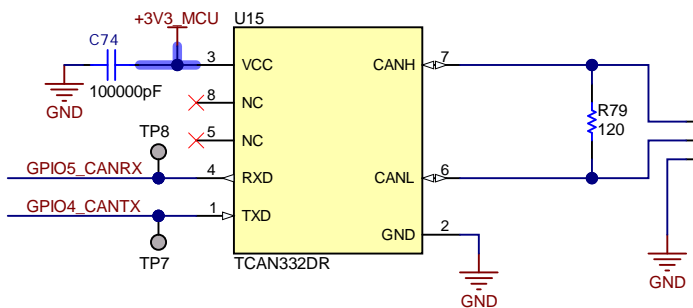
BoosterPack Headers Site 2 (Bottom)



EQEP Connectors



CAN Transceiver & Connector



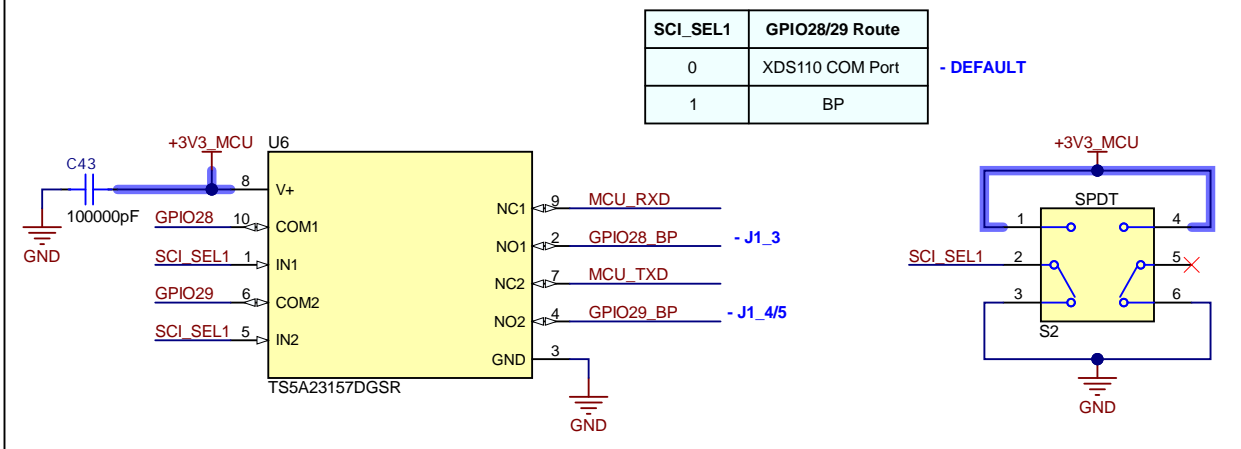
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Orderable: LAUNCHXL-F2800137	Designed for: Public Release	Mod. Date: 11/22/2021
TID #: N/A	Project Title: LAUNCHXL-F2800137	
Number: MCU109	Rev: A	Sheet Title:
SVN Rev: Not in version control	Assembly Variant: 001	Sheet: 2 of 8
Drawn By:	File: MCU109A_Connectors.SchDoc	Size: B
Engineer: Kevin Allen	Contact: http://www.ti.com/support	

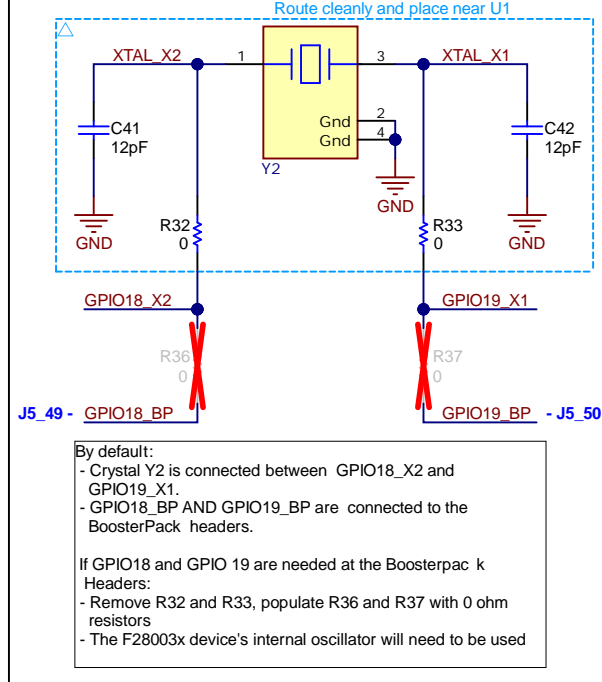
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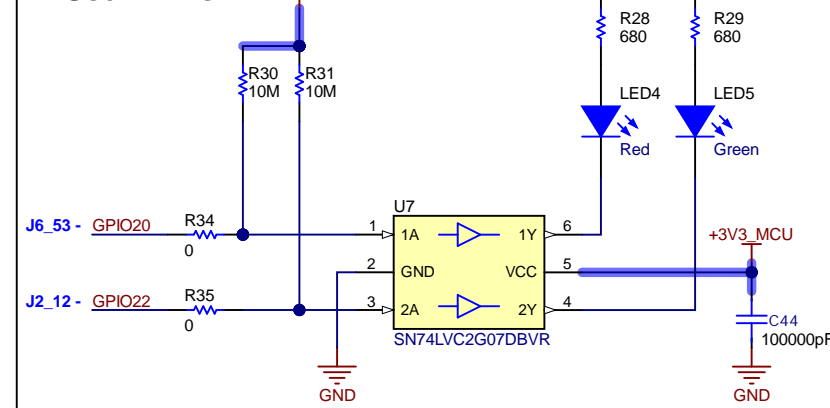
UART Routing



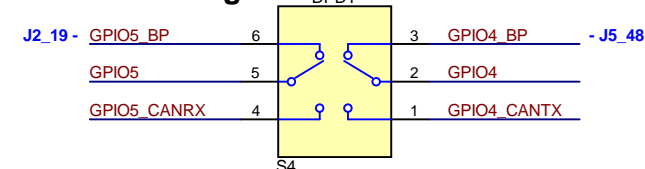
Oscillator



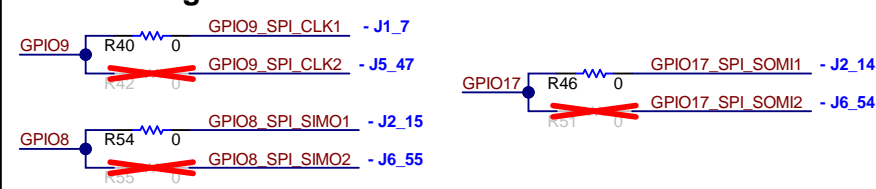
User LEDs



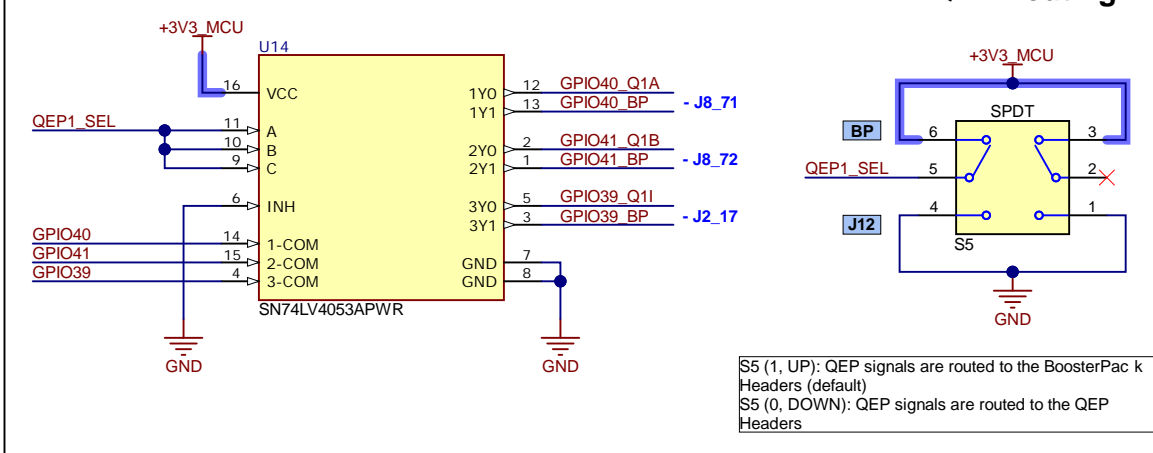
CAN Routing



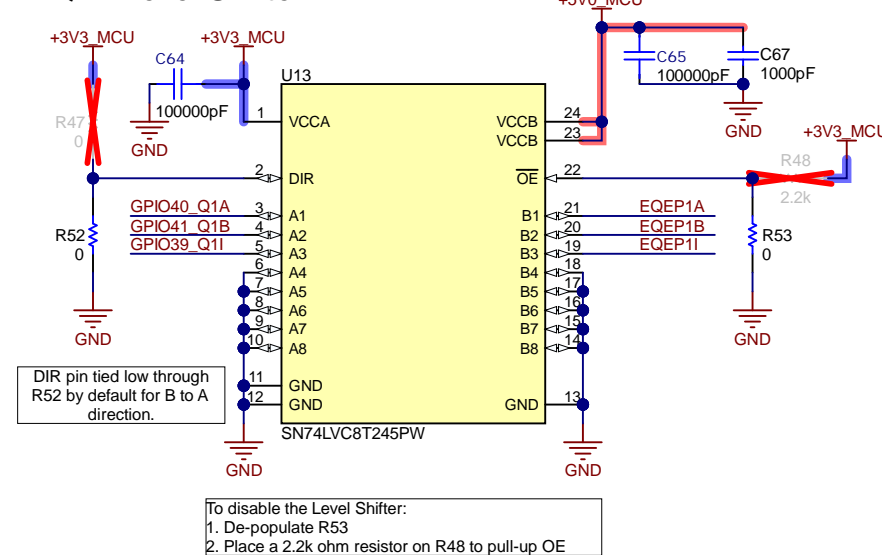
SPI Routing



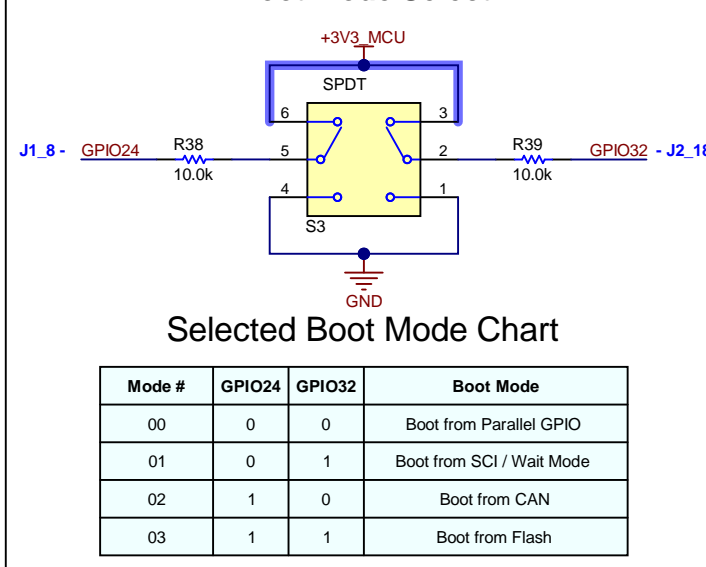
EQEP Routing



EQEP Level Shifter

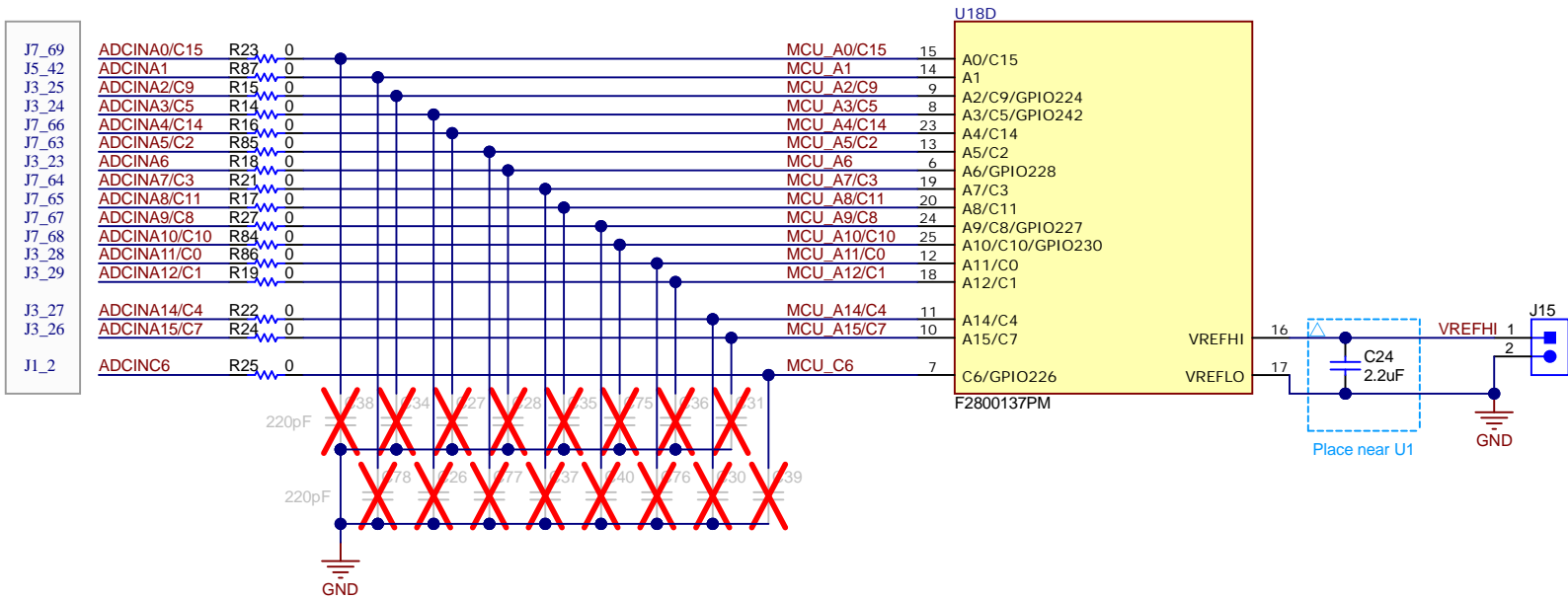
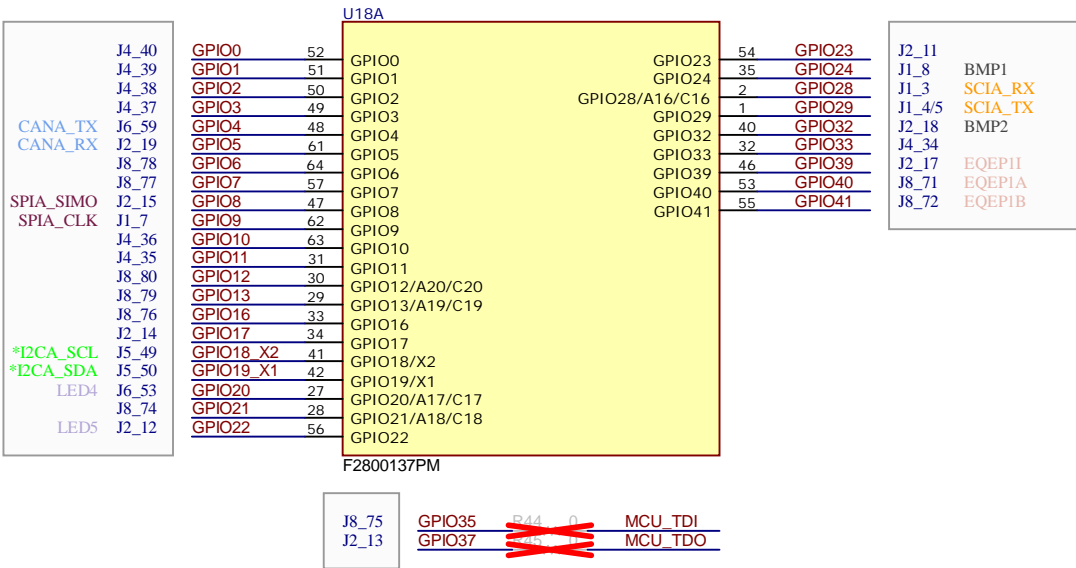
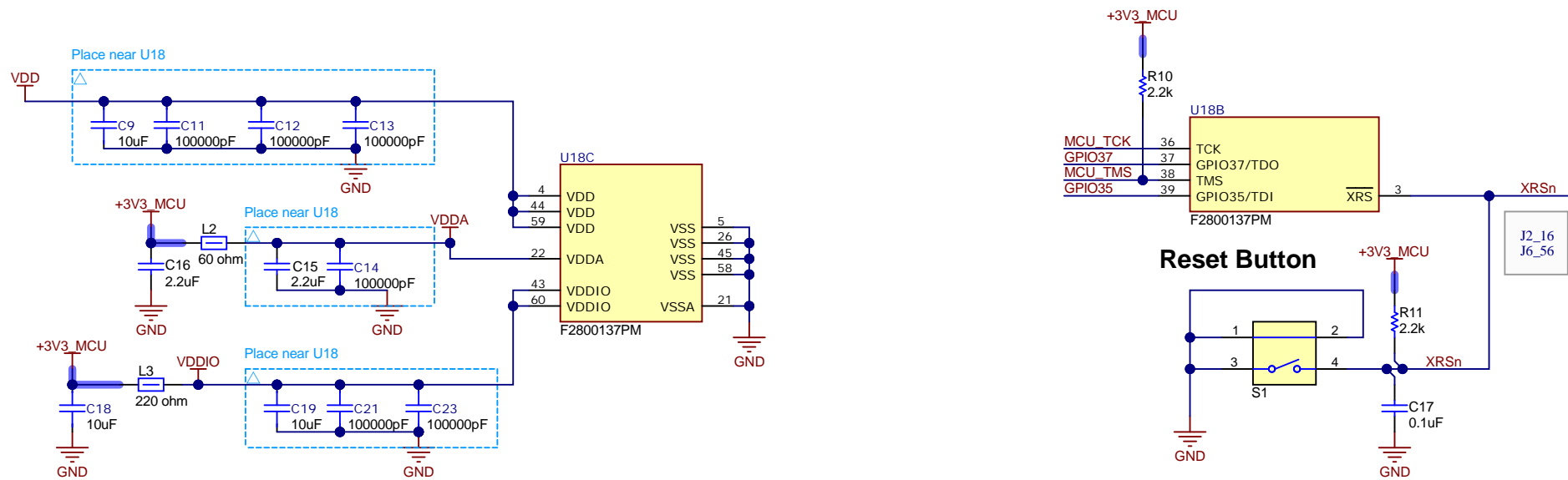


Boot Mode Select





F280013x Device



A

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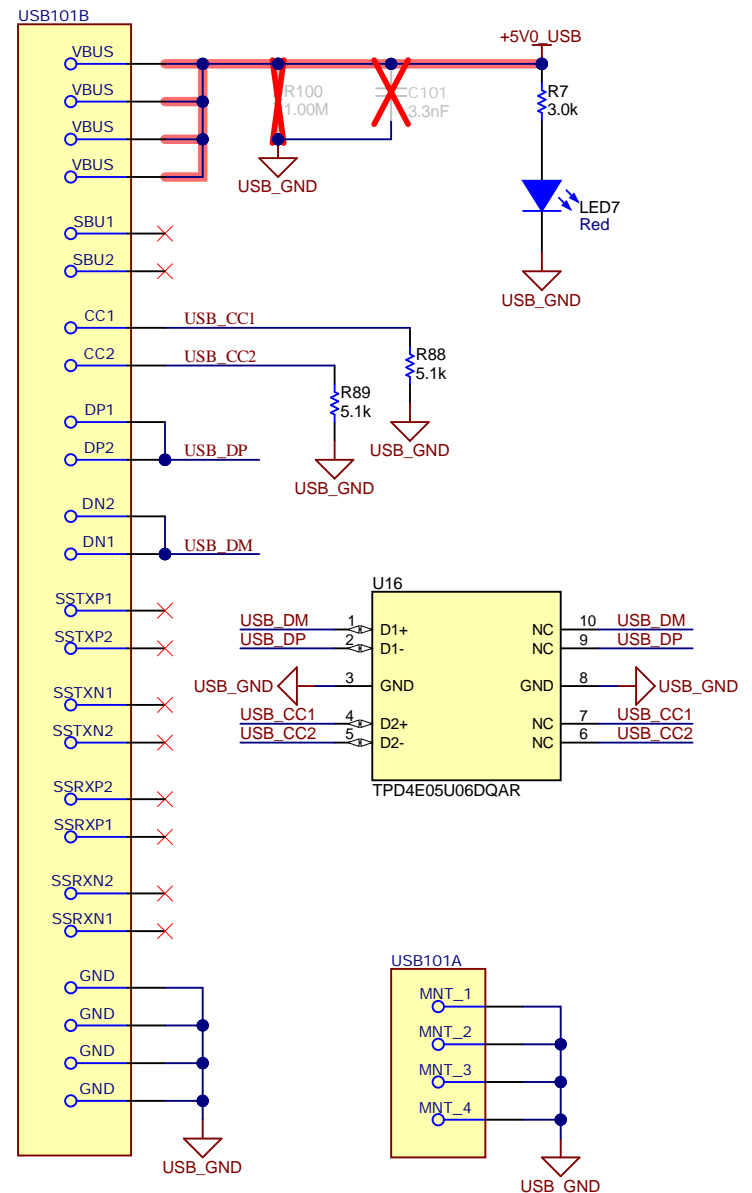
A

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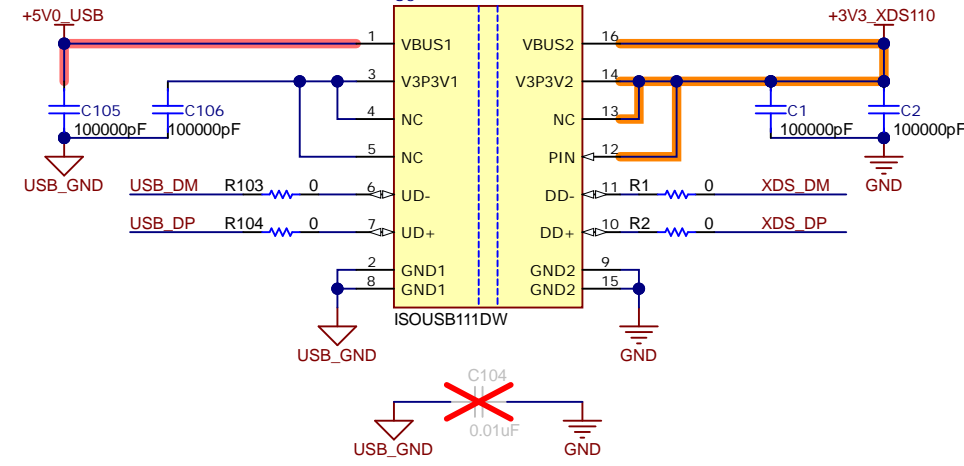
C

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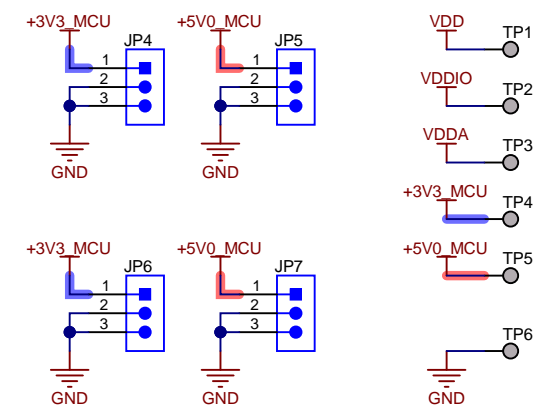
USB-C Connector



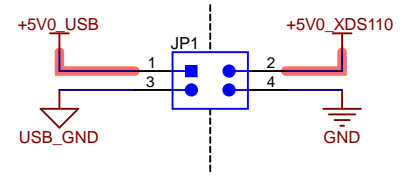
USB Isolation



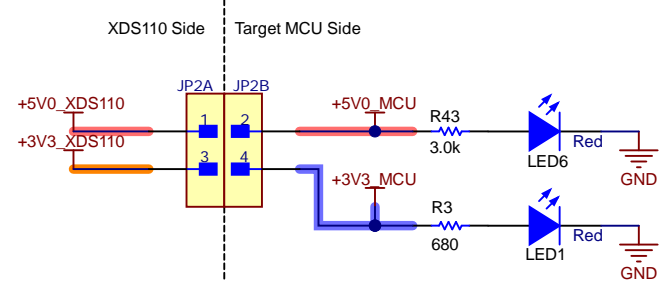
Power Headers and Test Points



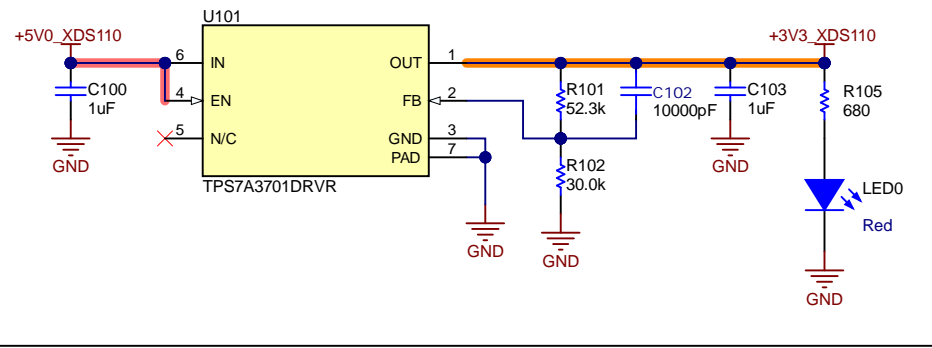
PWR & GND Isolation Boundary



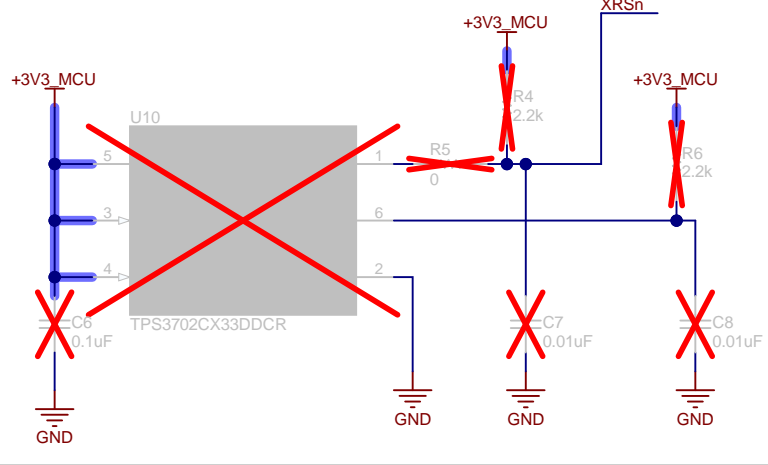
5V & 3.3V Isolation Boundary



5V to 3.3V

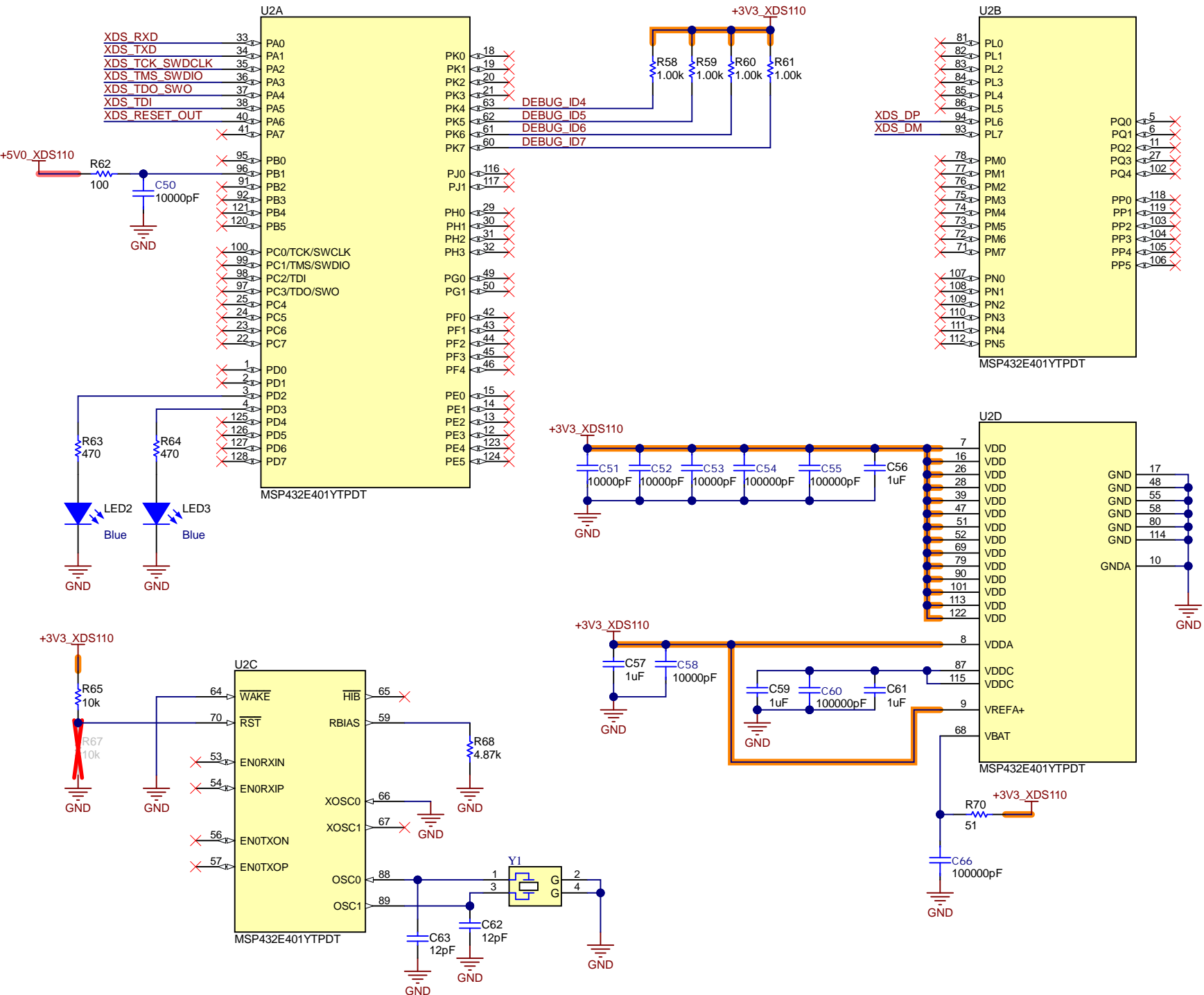


System Supervisory Circuit

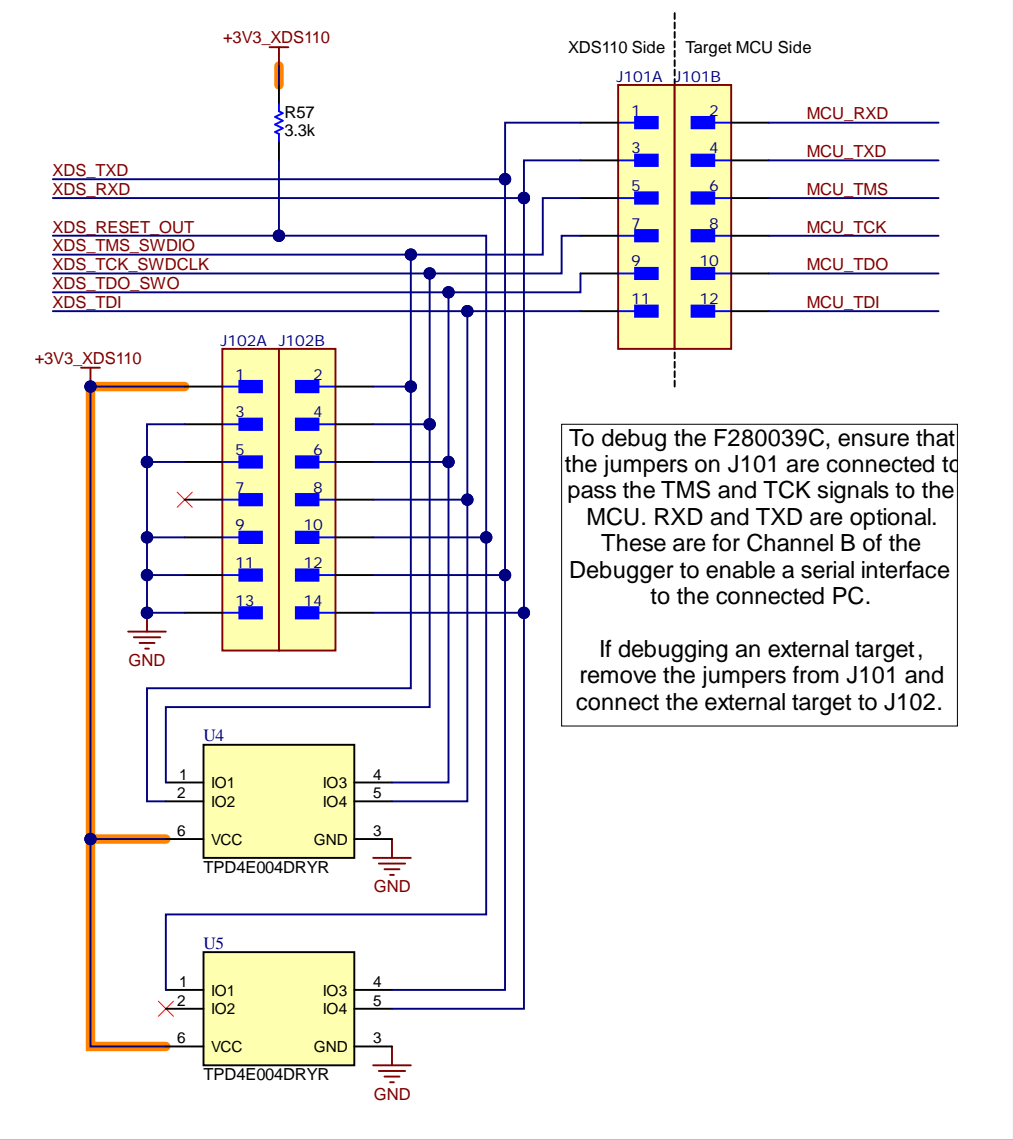


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XDS110 Device



XDS110 Target Interface



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Four green squares, each containing a white circle, are arranged in a 2x2 grid. The squares are labeled MH1, MH2, MH3, and MH4 from top-left to bottom-right.

PCB Number: MCU109
PCB Rev: A

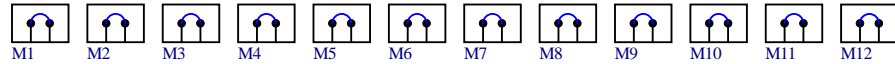
Logo1
PCB
LOGO
Texas Instruments



Logo3
PCB
LOGO
FCC disclaimer

Logo4
PCB
LOGO
WEEE logo

Logo5
PCB
LOGO
Texas Instruments



ZZ1

Assembly Note

These assemblies are ESD sensitive, ESD precautions shall be observed.

ZZ2

Assembly Note

These assemblies must be clean and free from flux and all contaminants. Use of no clean flux is not acceptable.

ZZ3

Assembly Note

These assemblies must comply with workmanship standards IPC-A-610 Class 2, unless otherwise specified.

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Orderable: LAUNCHXL-F2800137	Designed for: Public Release	Mod. Date: 9/28/2021
TID #: N/A	Project Title: LAUNCHXL-F2800137	
Number: MCU109	Rev: A	Sheet Title:
SVN Rev: Not in version control	Assembly Variant: 001	Sheet: 8 of 8
Drawn By:	File: MCU109A_Hardware.SchDoc	Size: B
Engineer: Kevin Allen	Contact: http://www.ti.com/support	

