

Revision History				
Rev	ECN #	Approved Date	Approved by	Notes
N/A	N/A	N/A	N/A	N/A

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C

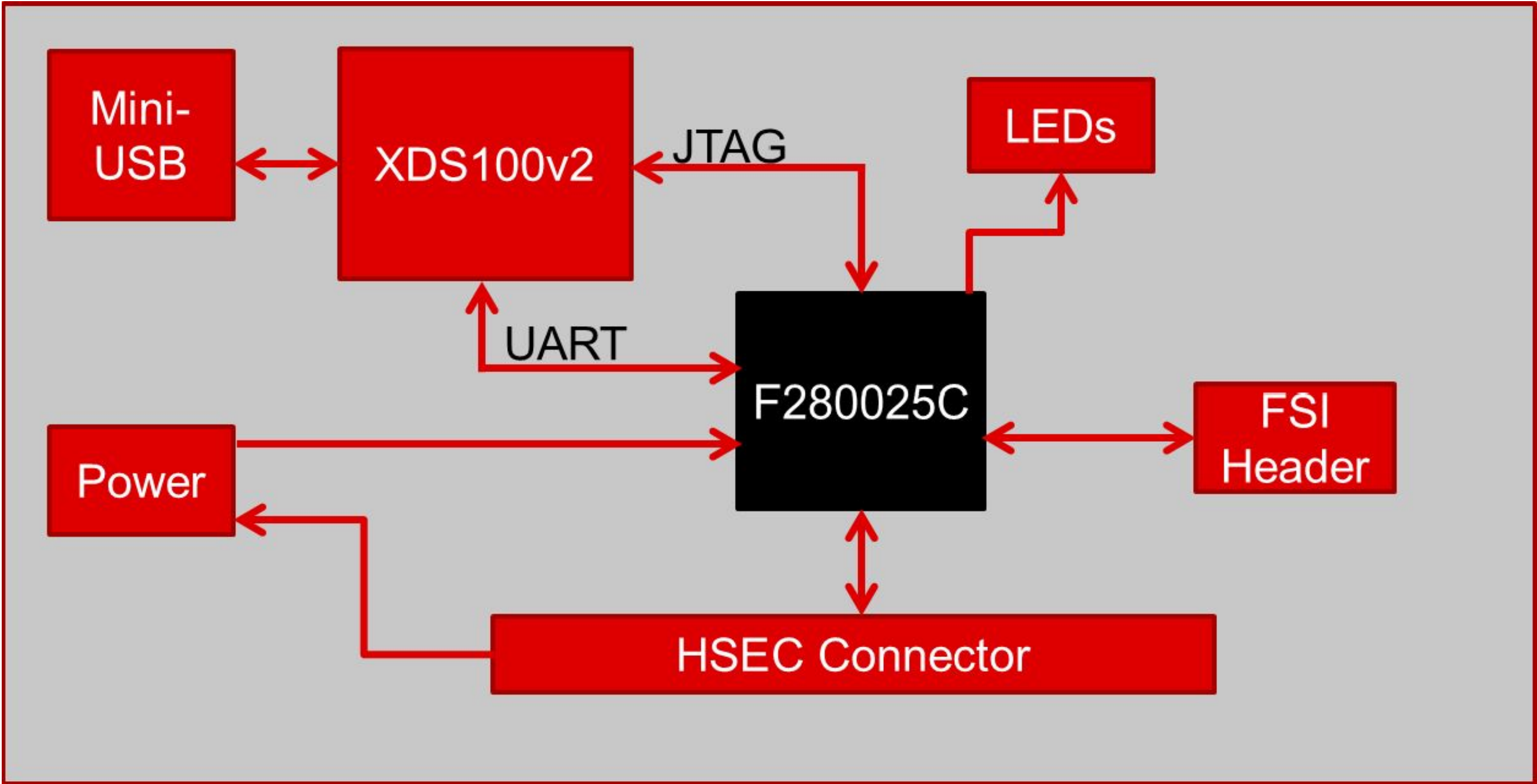
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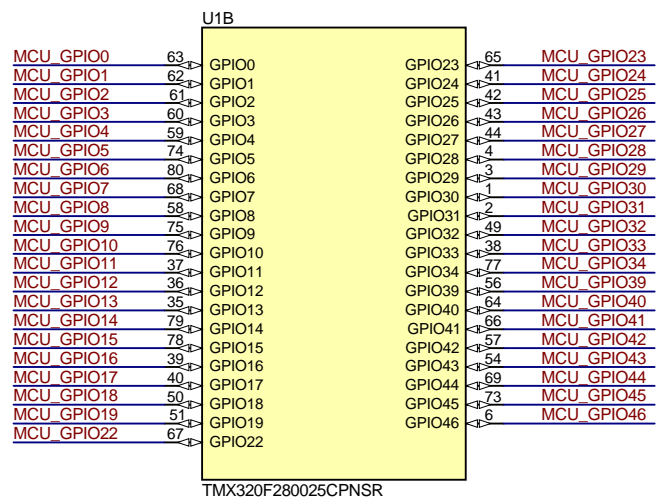
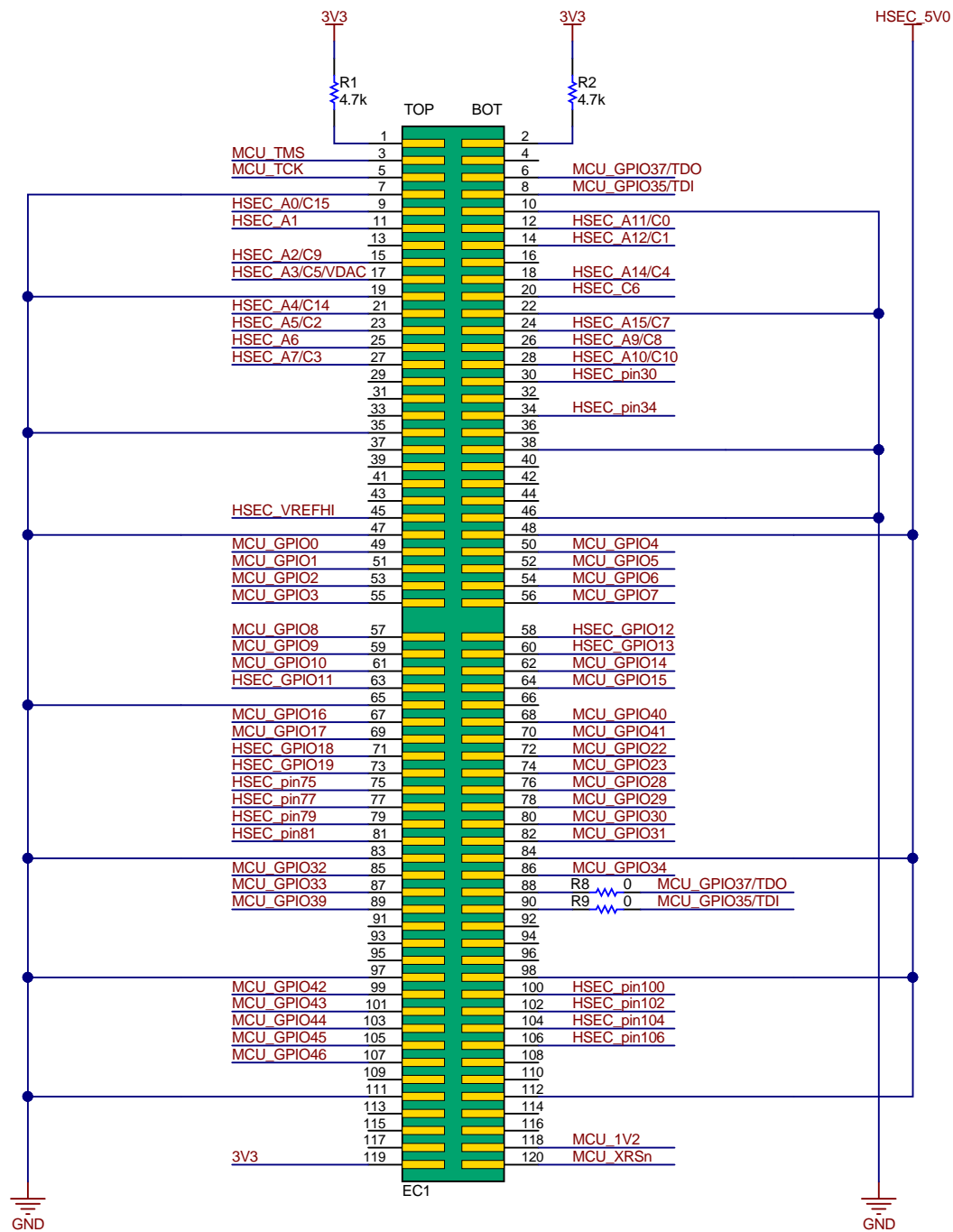
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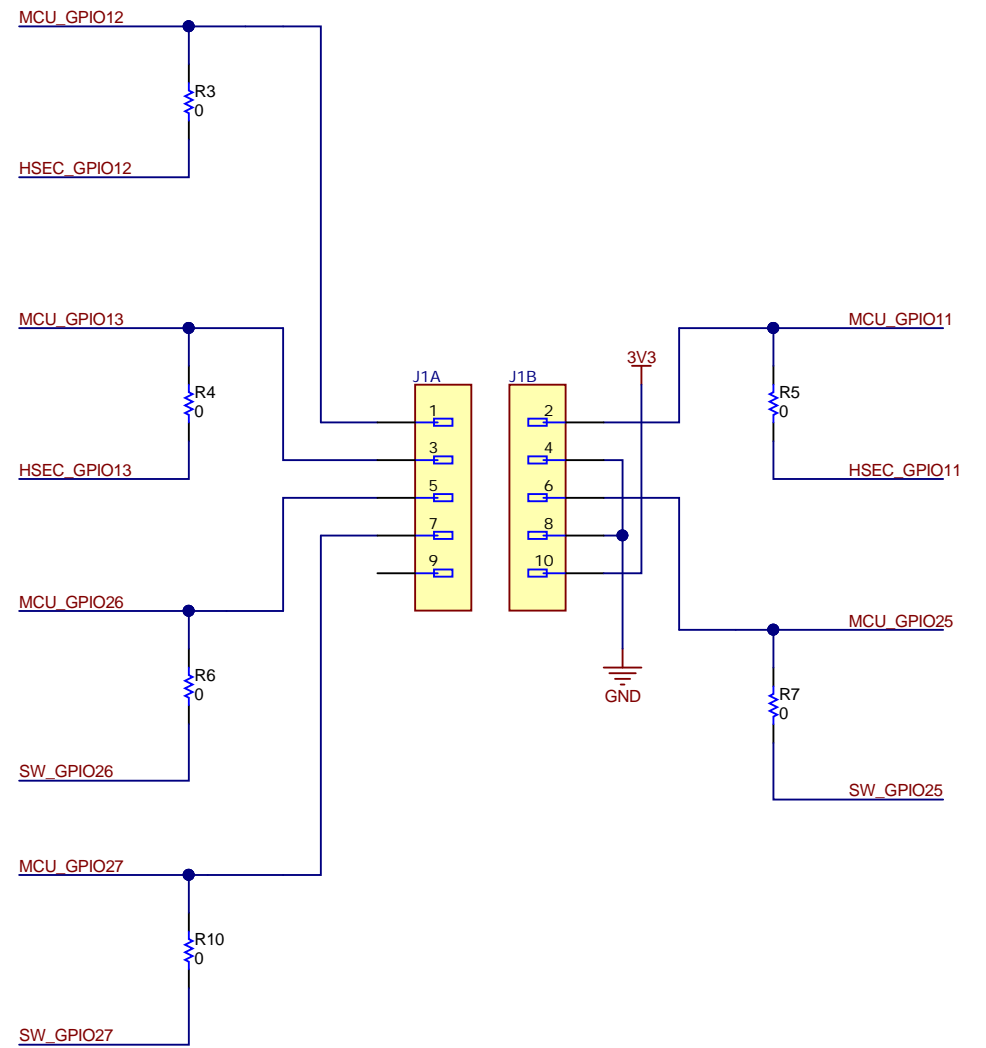
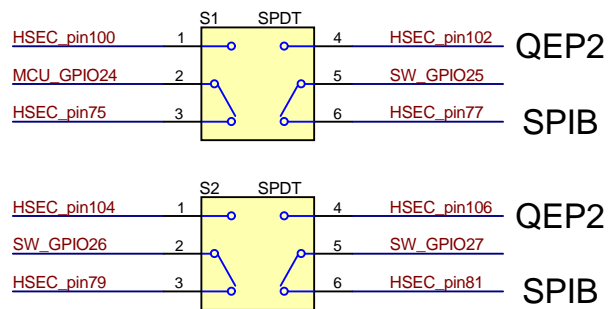


J1 has been updated over previous designs. Pins 9 and 10 were added enabling power to the connector. Additionally Pins 2 and 6, previously GND, have been repurposed to enable the full 3 pin FSI communication. The user can shunt HSEC GPIO11 and HSEC GPIO25 to ground if backwards compatibility is required.

1	FSI-RX0	2	FSI-RX1/GND
3	FSI-RXCLK	4	GND
5	FSI-TX0	6	FSI-TX1/GND
7	FSI-TXCLK	8	GND
9	KEY	10	3V3

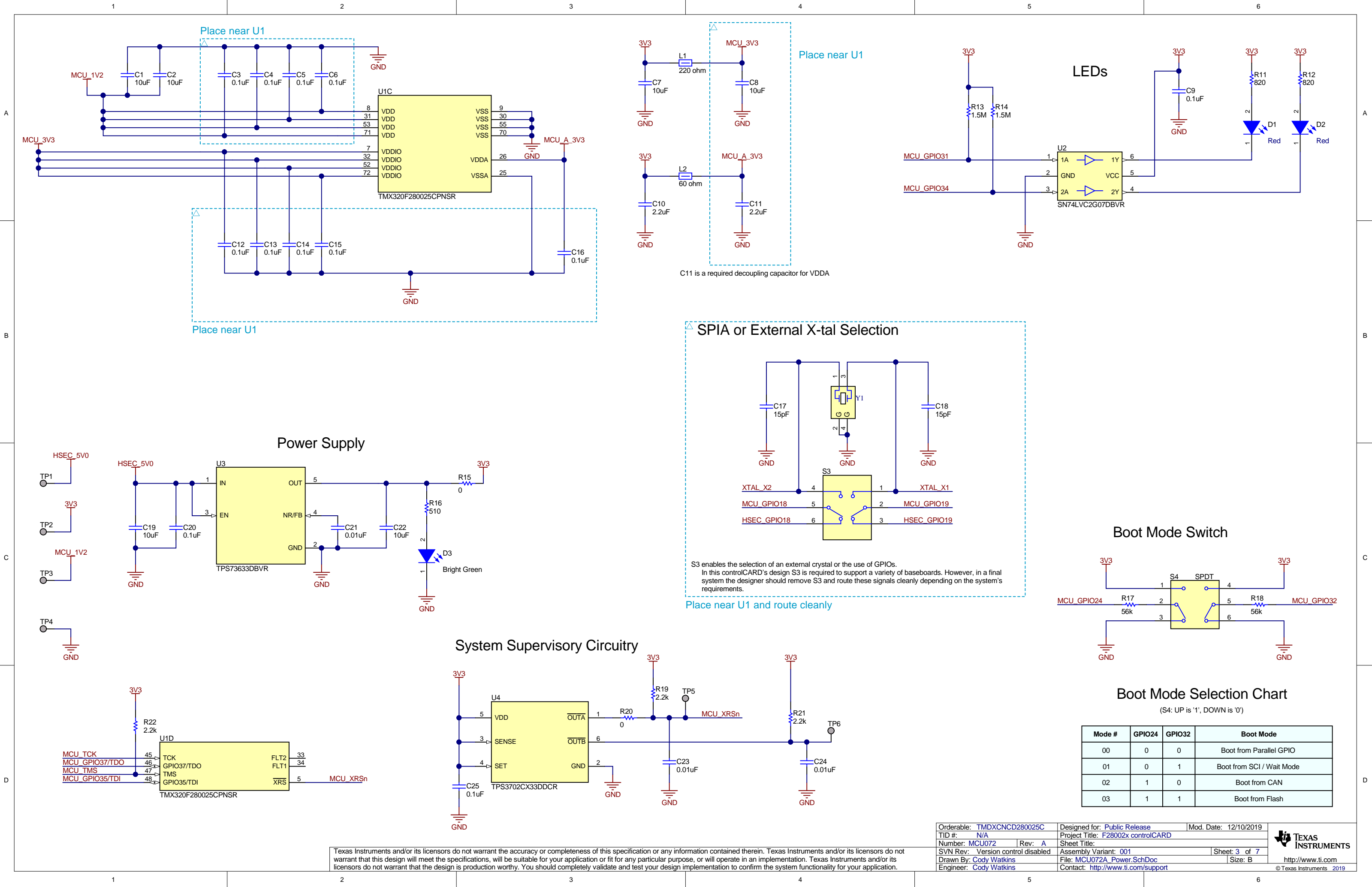


SPIB or QEP2 Selection



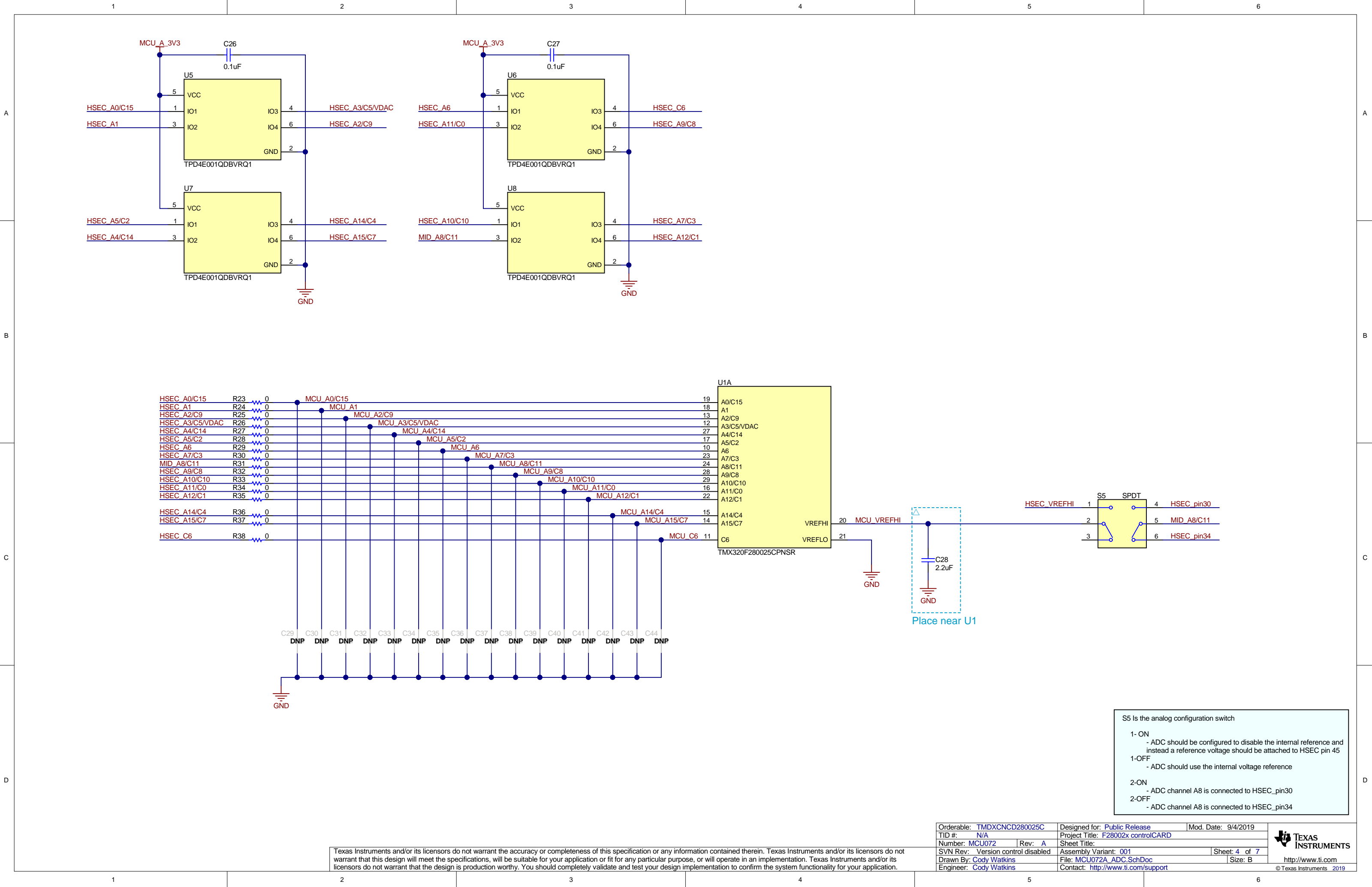
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Orderable: TMDXCNC280025C	Designed for: Public Release	Mod. Date: 12/10/2019
TID #: N/A	Project Title: F28002x controlCARD	
Number: MCU072	Rev: A	Sheet Title:
SVN Rev: Version control disabled	Assembly Variant: 001	Sheet: 2 of 7
Drawn By: Cody Watkins	File: MCU072A_GPIO.SchDoc	Size: B
Engineer: Cody Watkins	Contact: http://www.ti.com/support	



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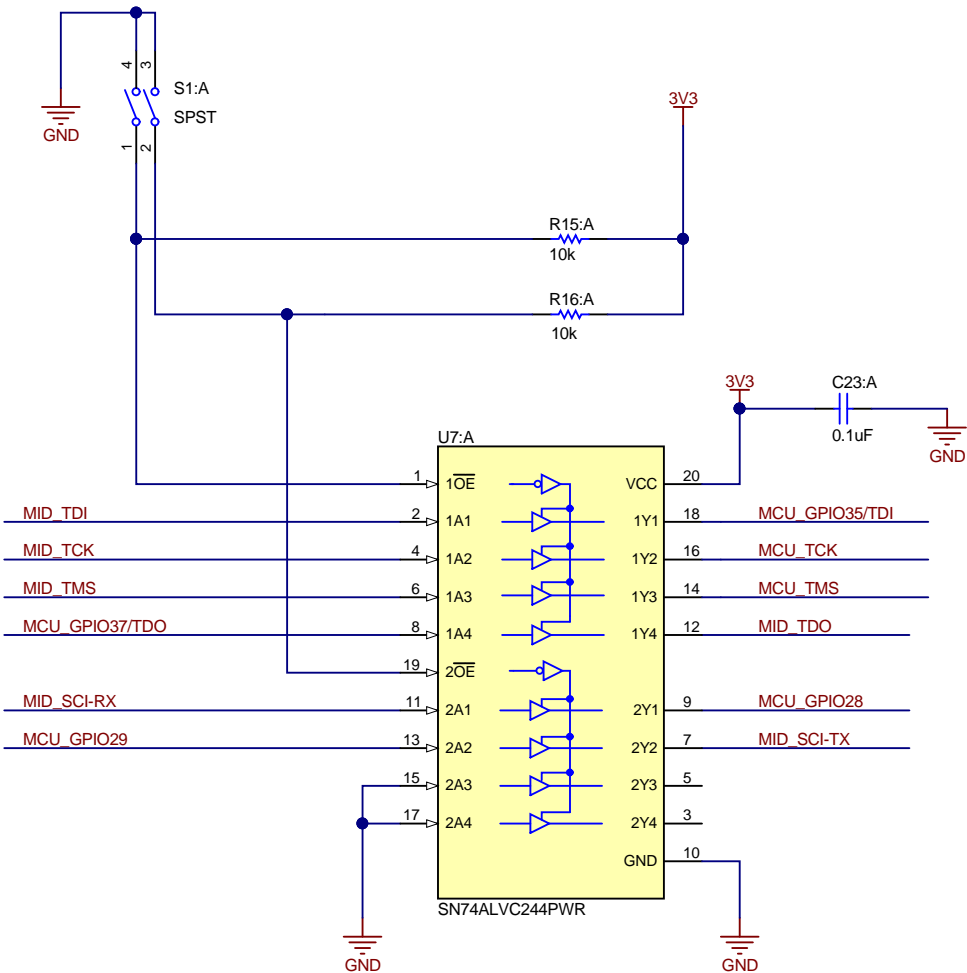
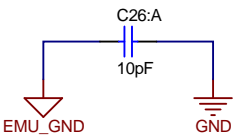
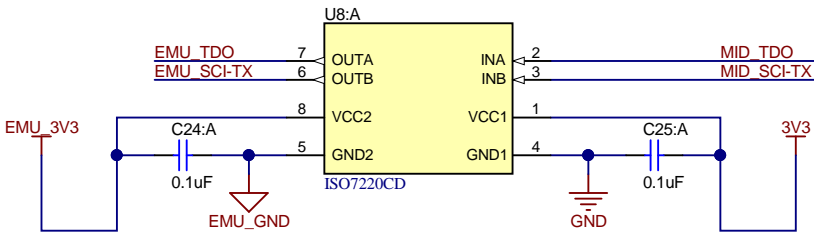
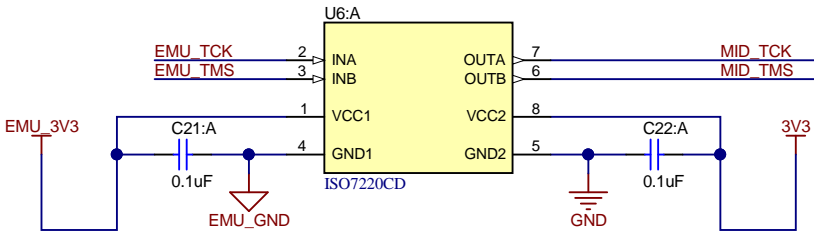
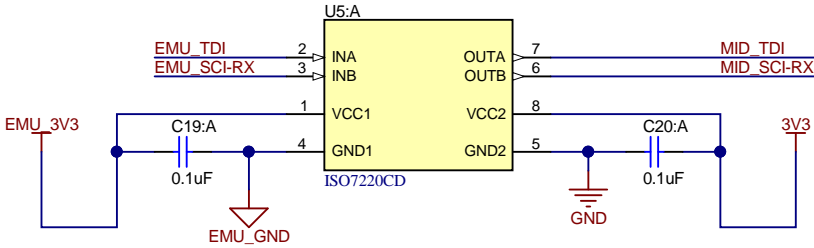
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S1:A - Emulation & GPIO28 Switch

- POS 1 ON: Use xds100v2 emulator that is on the cCARD
- POS 1 OFF: Boot from FLASH/peripheral (see boot mode switch) OR use emulator on baseboard
- POS 2 ON: GPIO-28 will be controlled by the USB-to-UART adapter on the FTDI chip
- POS 2 OFF: GPIO-28 can be controlled by a pin in HSEC connector



DNP

FID1

DNP

FID2

DNP

FID3

DNP

FID4

DNP


FID5

DNP

FID6

PCB Number: MCU072
PCB Rev: A

PCB
LOGO
Texas Instruments


CE Mark

PCB
LOGO
FCC disclaimer

PCB
LOGO
WEEE logo

LBL1

PCB Label

THT-14-423-10
Size: 0.65" x 0.20 "

ZZ1

Label Assembly Note

This Assembly Note is for PCB labels only

Variant/Label Table	
Variant	Label Text
001	TMDXCNCND280025C
002	TMDSCNCD280025C

ZZ2

Assembly Note

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

ZZ3

Assembly Note

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

ZZ4

Assembly Note

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

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