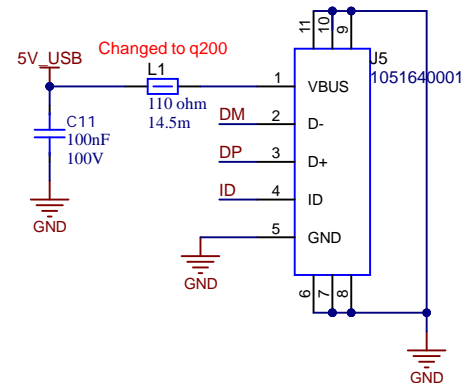
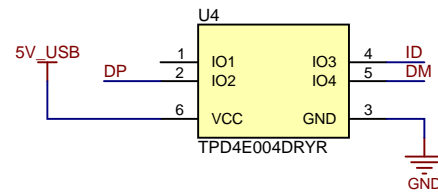


FTDI

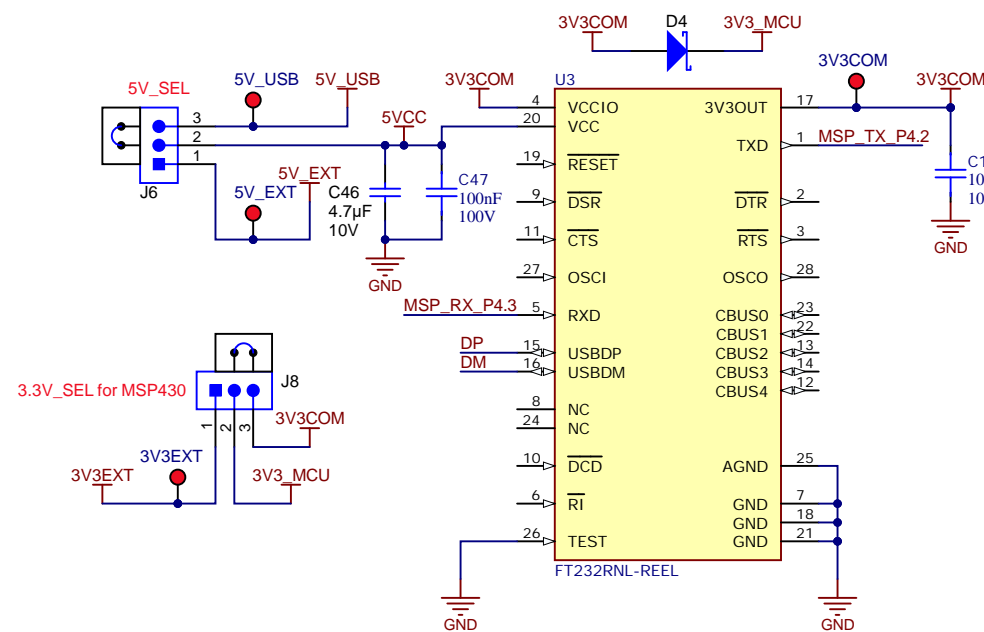
Micro USB Connector



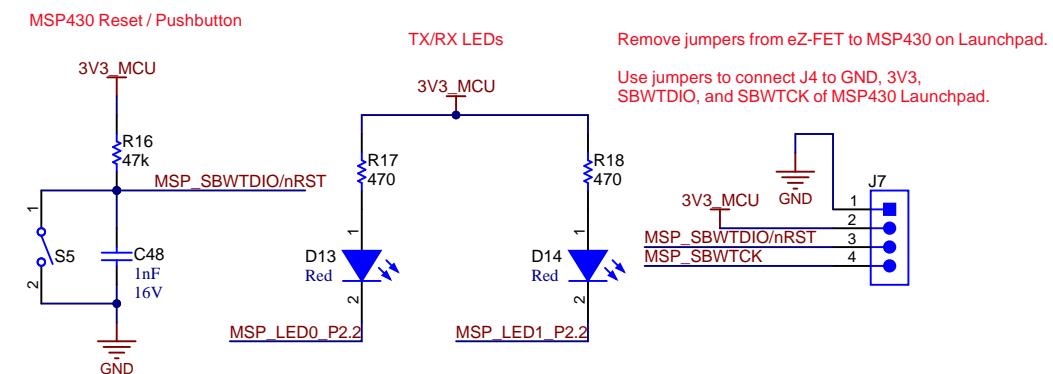
USB ESD Protection



FTDI REGULATOR

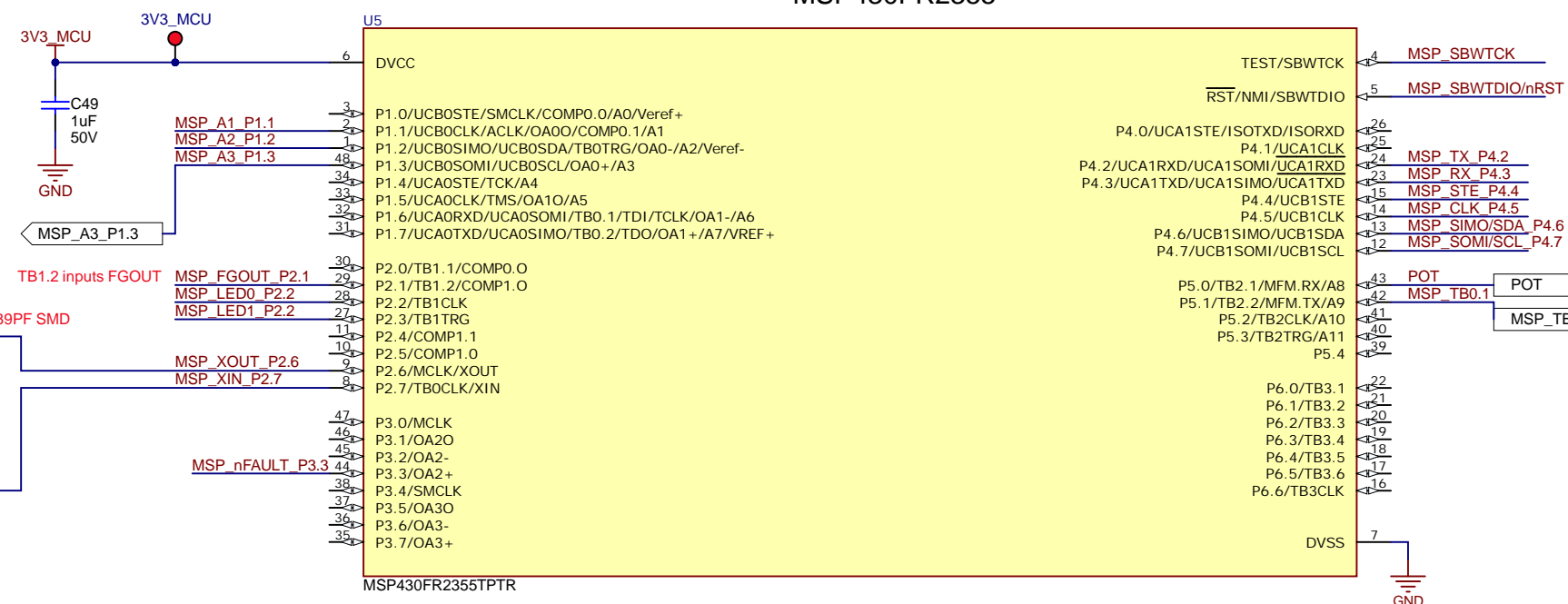
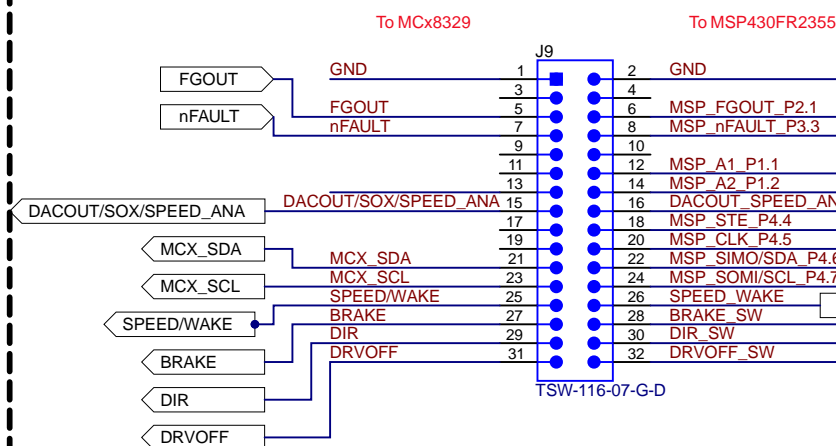
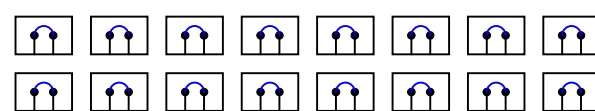


MCU PROGRAMMING



MSP430FR2355

Signal Bank for connecting MSP430 + MCx8329A



Populate jumpers to communicate onboard MSP430FR2355 to the MCx8329A or depopulate jumpers to use standalone MSP430 or MCx8329A.

A

B

C

D

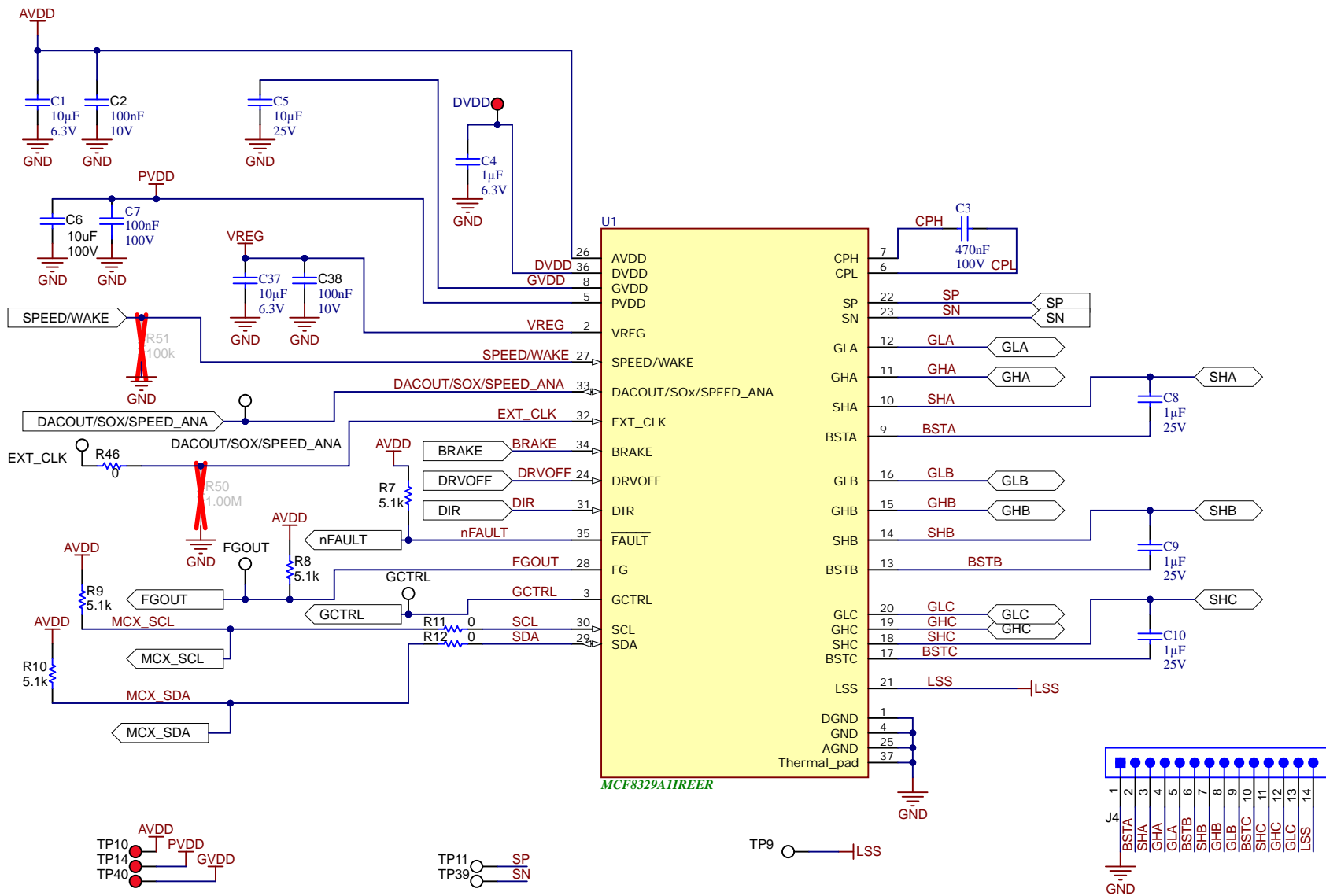
A

B

C

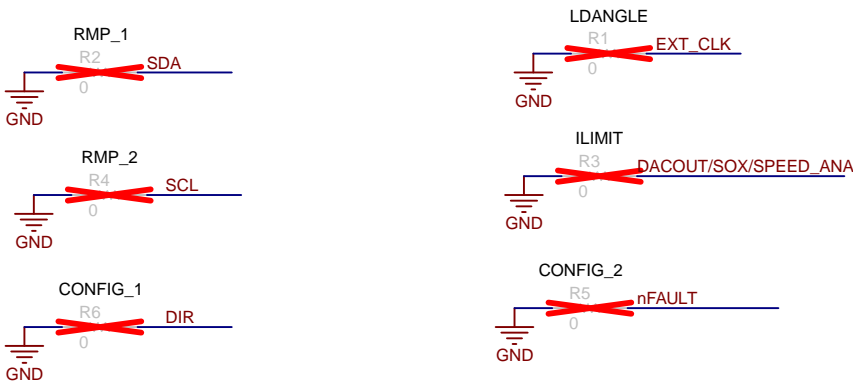
D

MCx8329A

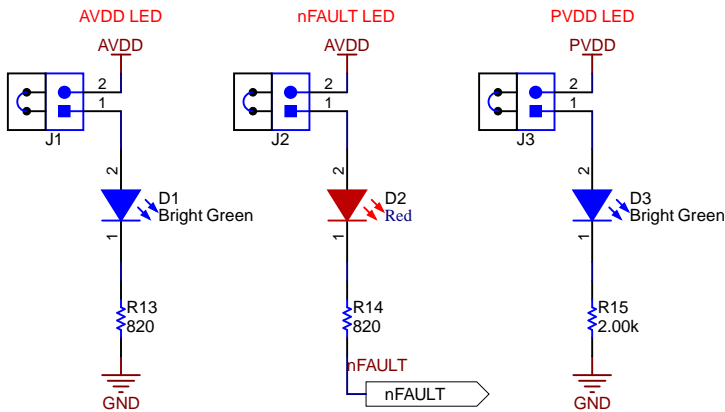


MCT8329A Hardware Variant

Hardware Variant Resistors (MCT8329A hardware variant only)



STATUS LEDs



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Orderable: MCF8329EVM	Designed for: Public Release	Mod. Date: 4/23/2024
TID #: N/A	Project Title: MCx8329AEVM	
Number: MD067	Rev: E	Sheet Title:
SVN Rev: Not in version control	Assembly Variant: 002	Sheet: 2 of 5
Drawn By:	File: MD067D_DRIVER.SchDoc	Size: B
Engineer: Vishnu Balaraj	Contact: http://www.ti.com/support	

POWER STAGE AND FETS

PHASE A

PHASE B

PHASE C

RC Snubber, HS Drain to LS Source cap, and GS Cap or Res are all recommended, but optional, protection circuits

Populate diodes to control sink and source current independently

External C_{GS} capacitors can be replaced with k ohm pull down resistors if desired

Route as differential pair
Kelvin connection to shunt

Orderable: MCF8329EVM	Designed for: Public Release	Mod. Date: 7/29/2024
TID #: N/A	Project Title: MCx8329AEVM	
Number: MD067	Rev: E	Sheet Title:
SVN Rev: Not in version control	Assembly Variant: 002	Sheet: 3 of 5
Drawn By:	File: MD067D_FETS_AND_POWER_STAGE.SchDoc	Size: B
Engineer: Vishnu Balaraj	Contact: http://www.ti.com/support	

A

B

C

D

A

B

C

D

