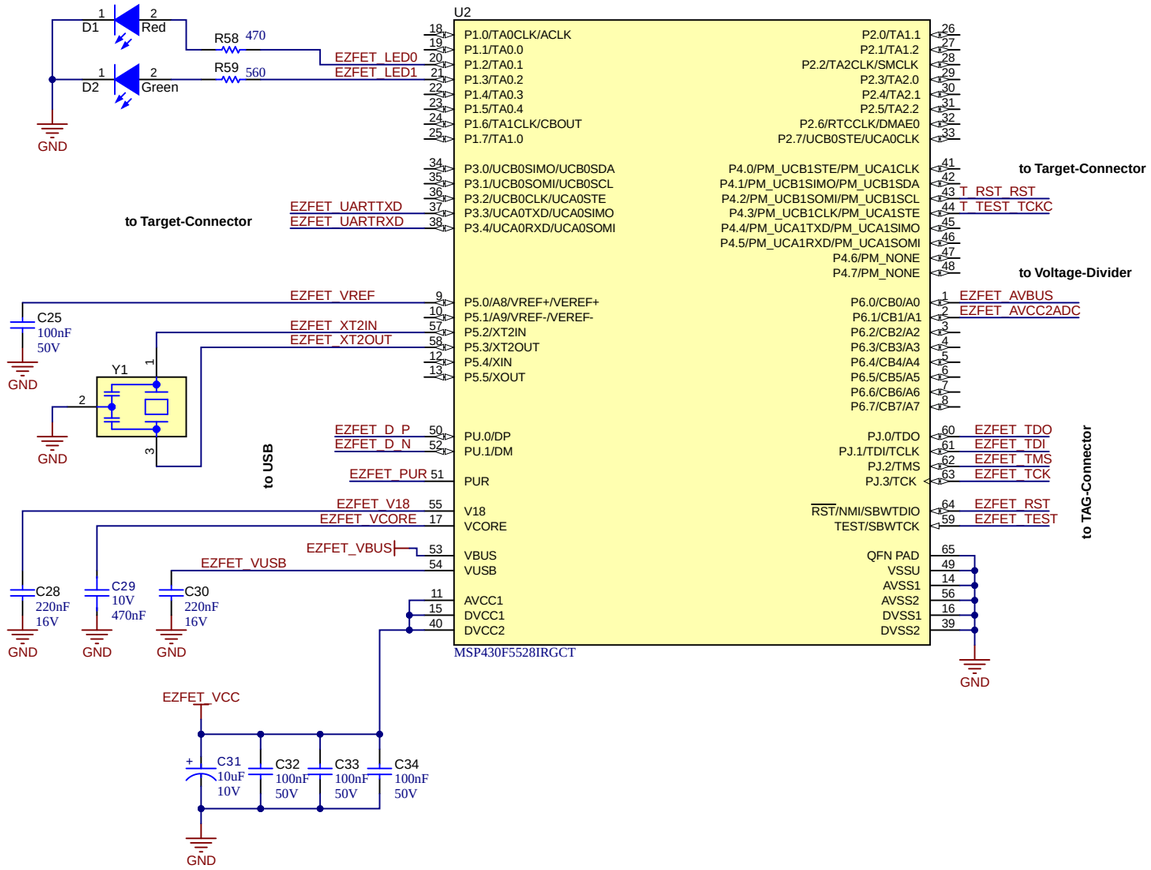
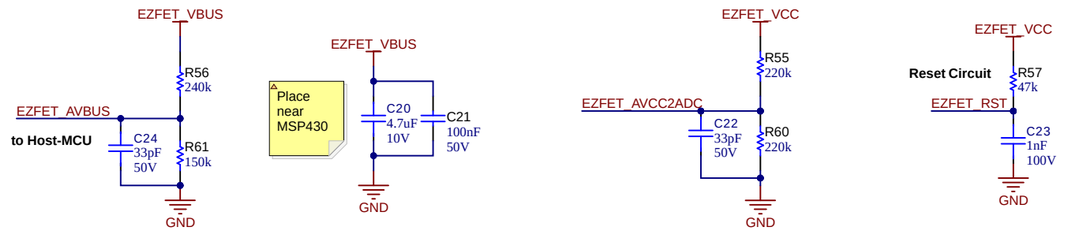
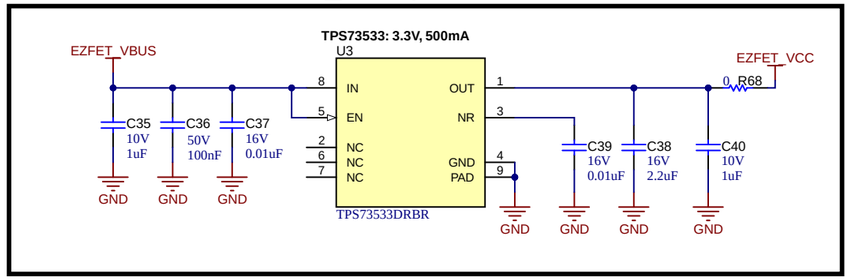
Host MCU for Emulation

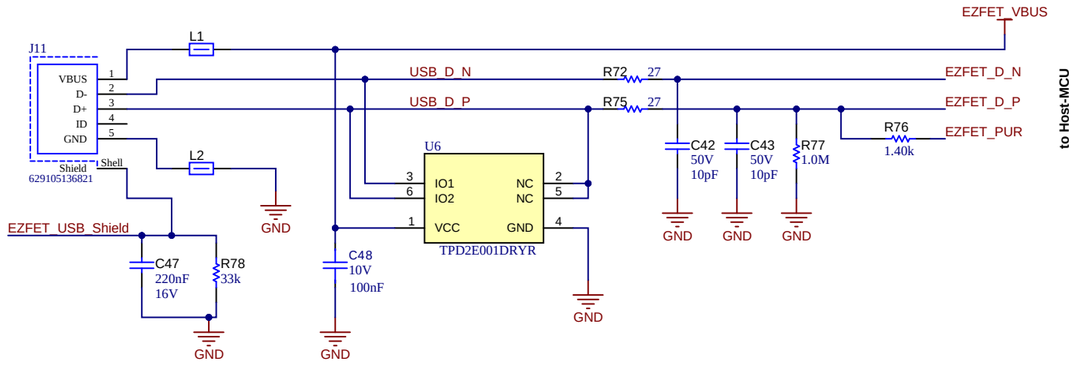


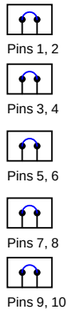


3.3V Power (EZFET_VCC)

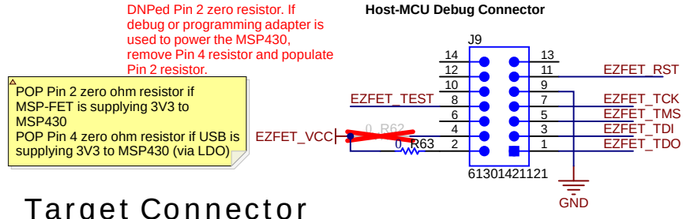


USB-Interface

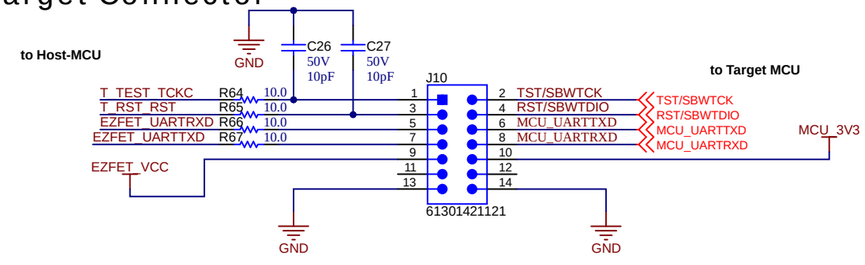




JTAG-Connector (Host Debug)



Target Connector



Orderable: DRV8214EVM		Designed for: Public Release	Mod. Date: 10/25/2023
TID #: N/A		Project Title: DRV8414_8434EVM	
Number: MD069	Rev: B	Sheet Title:	
SVN Rev: Unknown revision		Assembly Variant: 001	Sheet: 1 of 1
Drawn By: Pablo Armet		File: MD069B_ezFET.SchDoc	Size: B
Engineer: Jacob Thompson		Contact: http://www.ti.com/support	

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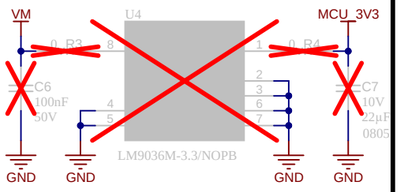
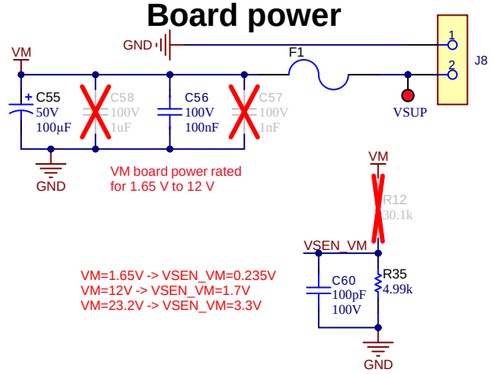
http://www.ti.com

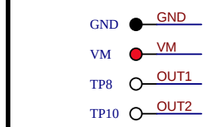
3.3V LDO



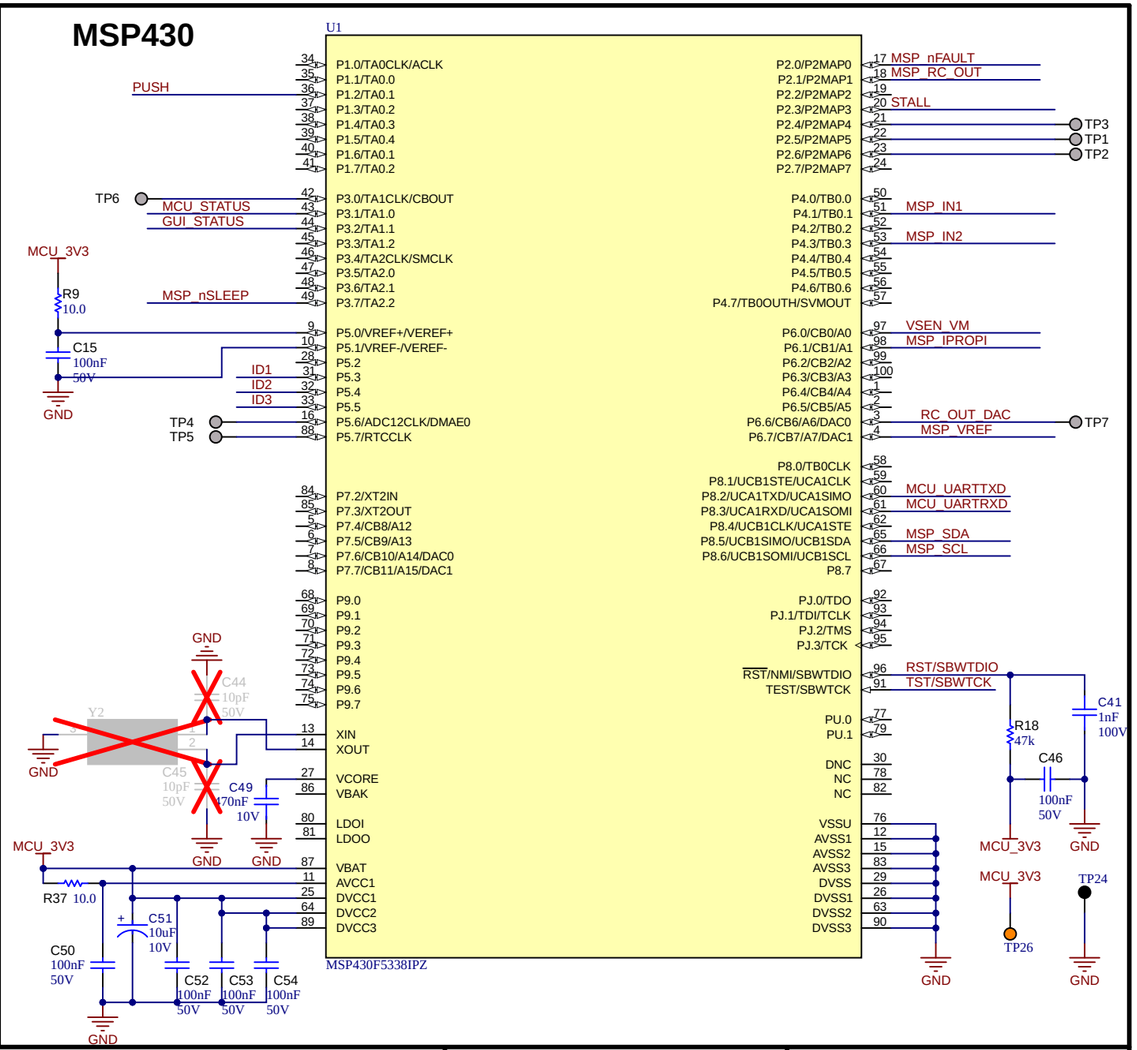
Board power



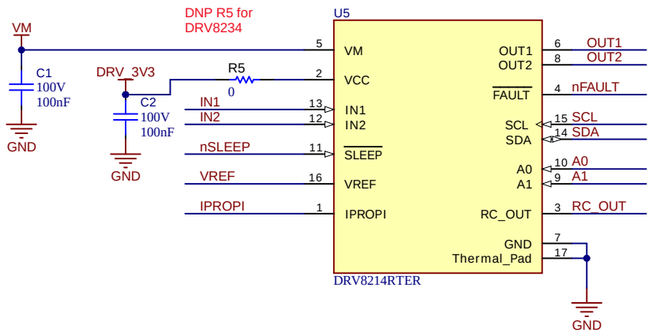
Output Connector

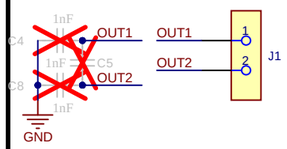


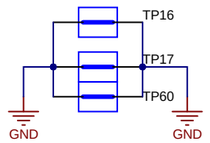
MSP430



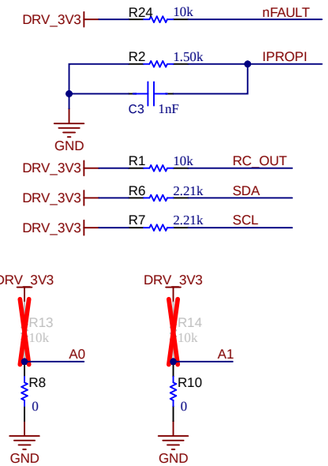
DRV8214/8234



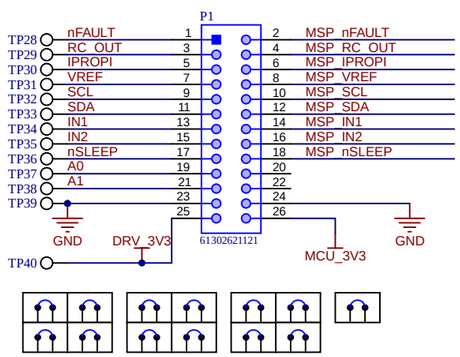




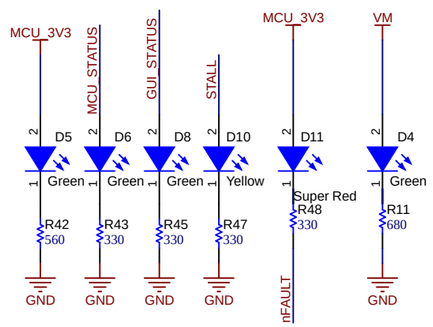
External pull-up/pull-down



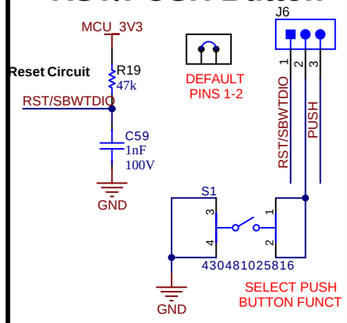
Main Signal Header



LEDS



RST/PUSH Button

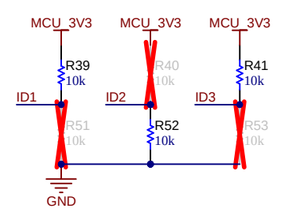


Device ID Resistor

The resistors on the ID[2:0] nets inform the firmware which device ID variant is on this board

Device	ID1	ID2
DRV8214	1	0
DRV8234	0	0

Type	ID3
Prerelease	0
Release	1



Orderable: DRV8214EVM		Designed for: Public Release	Mod. Date: 10/25/2023
TID #: N/A		Project Title: DRV8414_8434EVM	
Number: MD069	Rev: B	Sheet Title:	
SVN Rev: Unknown revision		Assembly Variant: 001	Sheet: 1 of 2
Drawn By: Pablo Armet		File: MD069B.SchDoc	Size: B
Engineer: Jacob Thompson		Contact: http://www.ti.com/support	

FID1 FID2 FID3

PCB Number: MD069
PCB Rev: B

PCB
LOGO
Texas Instruments

CE Mark

PCB
LOGO
FCC disclaimer

PCB
LOGO
WEEE logo

LOGO5

CAUTION HOT SURFACE

H2 SJ61A1 H3 SJ61A1 H4 SJ61A1 H5 SJ61A1

LBL1
PCB Label
THT-14-423-10
Size: 0.65" x 0.20 "

Label Table

Variant	Label Text
001	DRV8214EVM
002	DRV8234EVM

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.

ZZ4
Label Assembly Note
This Assembly Note is for PCB labels only

Orderable: DRV8214EVM	Designed for: Public Release	Mod. Date: 10/18/2023
TID #: N/A	Project Title: DRV8414_8434EVM	
Number: MD069 Rev: B	Sheet Title:	
SVN Rev: Unknown revision	Assembly Variant: 001	Sheet: 2 of 2
Drawn By: Pablo Armet	File: MD069B_Hardware.SchDoc	Size: B
Engineer: Jacob Thompson	Contact: http://www.ti.com/support	

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http://www.ti.com