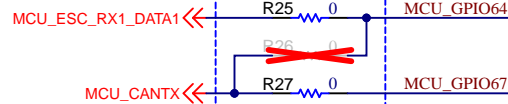


### EtherCAT / MCAN-A Boot Selection

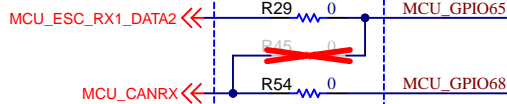
Mode	Resistor Configuration
EtherCAT support*	Populate R25/R27 and R29/R54 with 0-ohm resistor, remove R26/R45.
MCAN-A boot support	Populate R26/R45 with 0-ohm resistor, remove R25/R27 and R29/R54.

\*Default

Place near U1, use Z pattern to eliminate trace stubs



Place near U1, use Z pattern to eliminate trace stubs

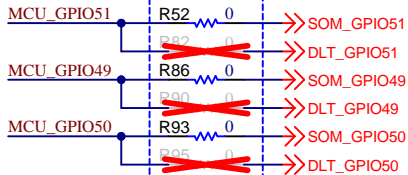


### FSI Baseboard / DLT Selection

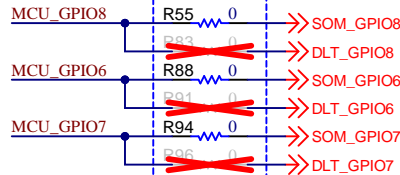
Mode	Resistor Configuration
Baseboard support*	Populate all 0-ohm resistors on SOM_GPIO nets. Remove all resistors on DLT_GPIO nets.
DLT support	Populate all 0-ohm resistors on DLT_GPIO nets. Remove all resistors on SOM_GPIO nets.

\*Default

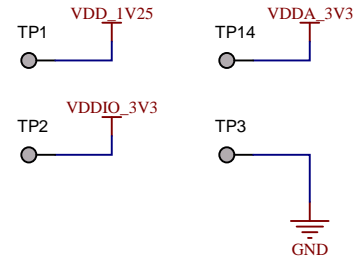
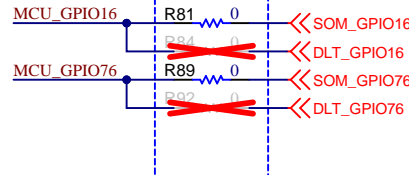
Place near U1

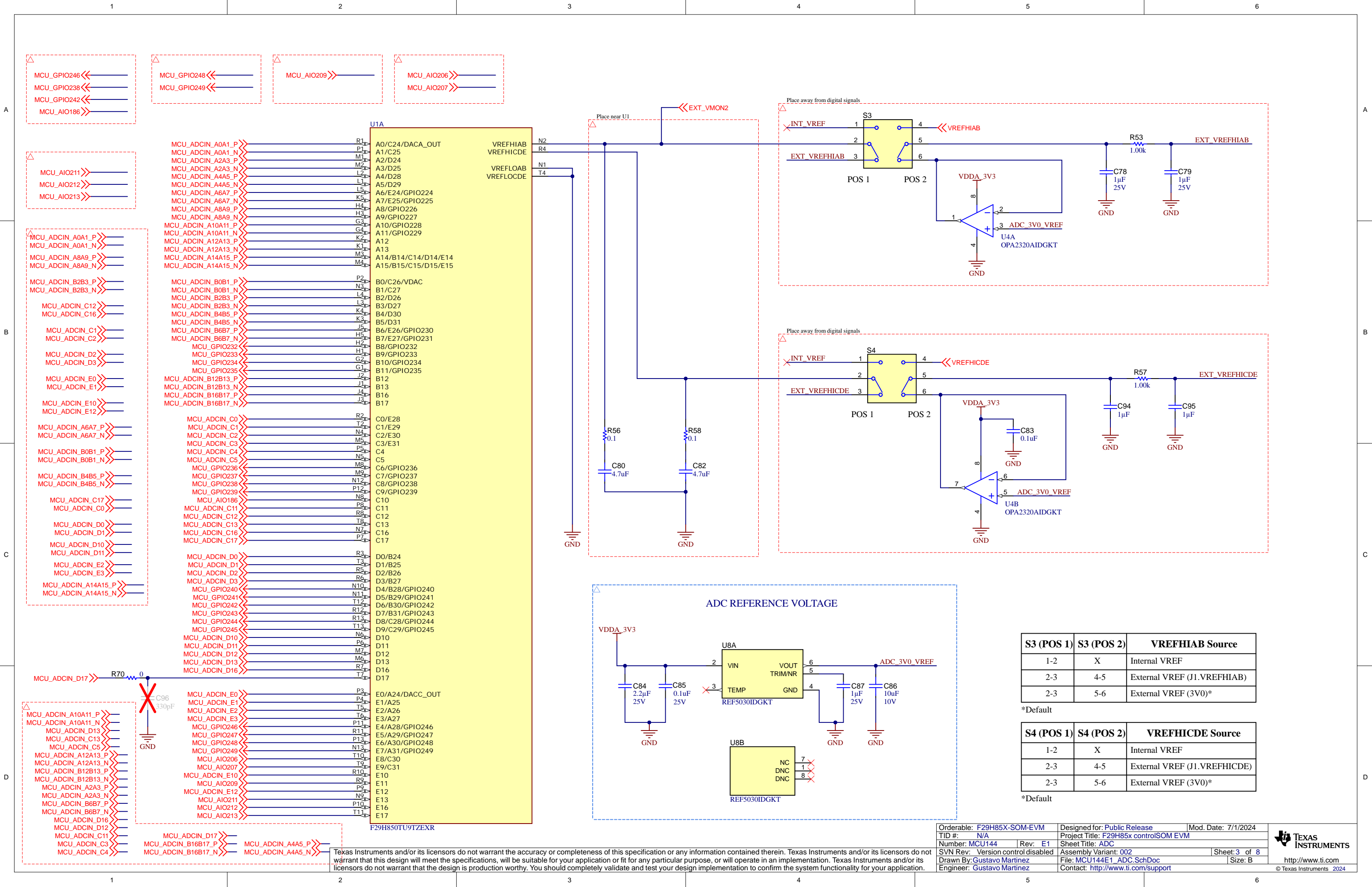


Place near U1



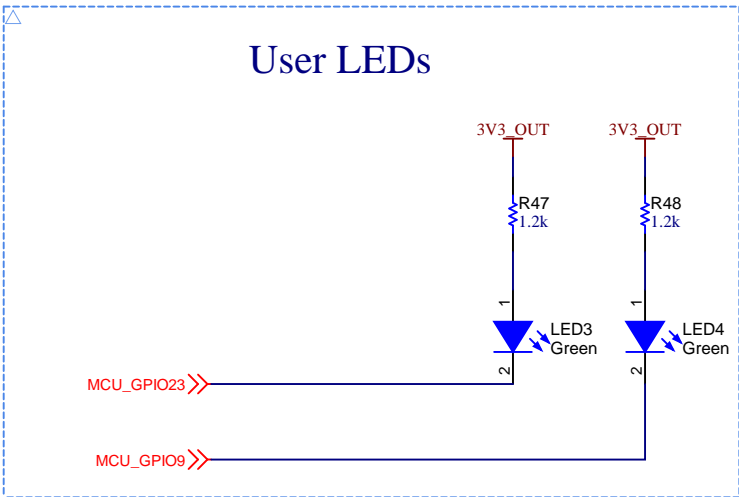
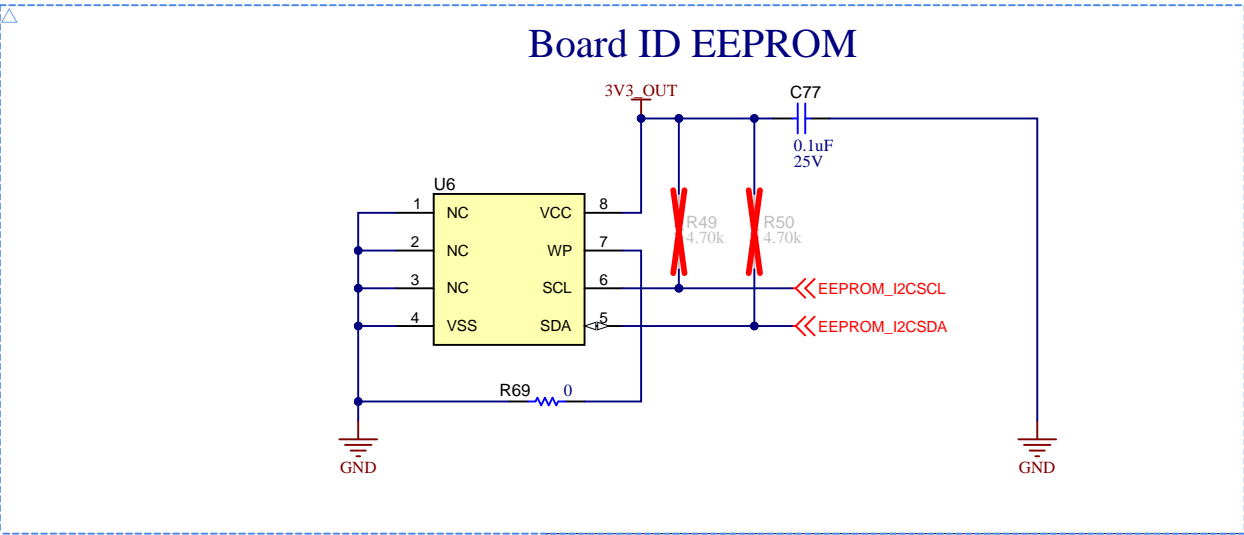
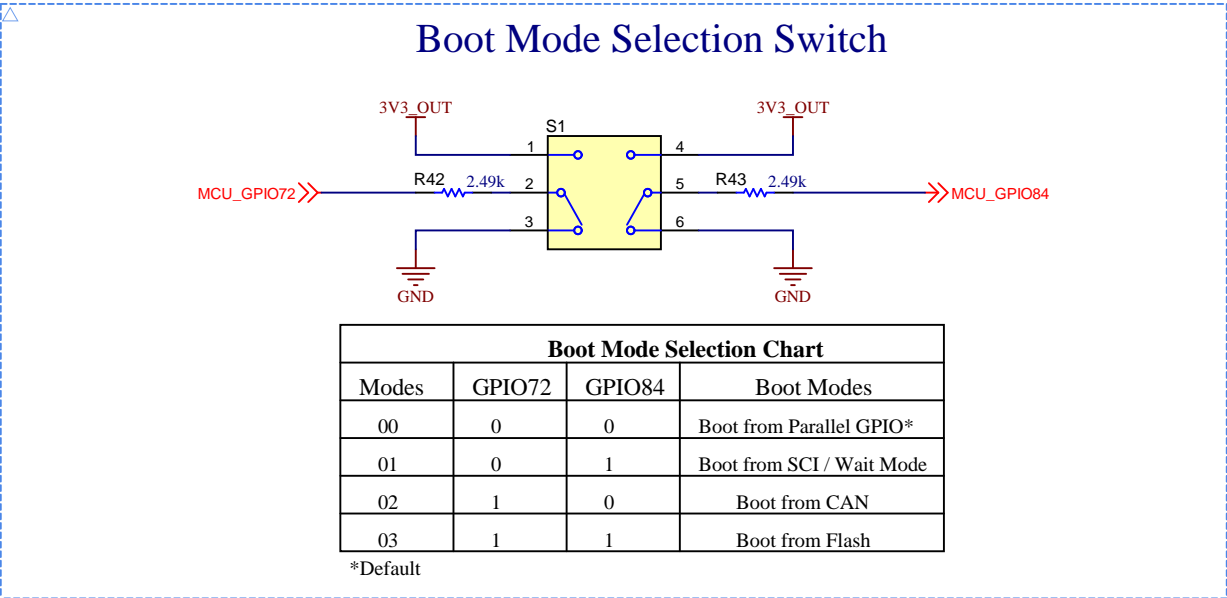
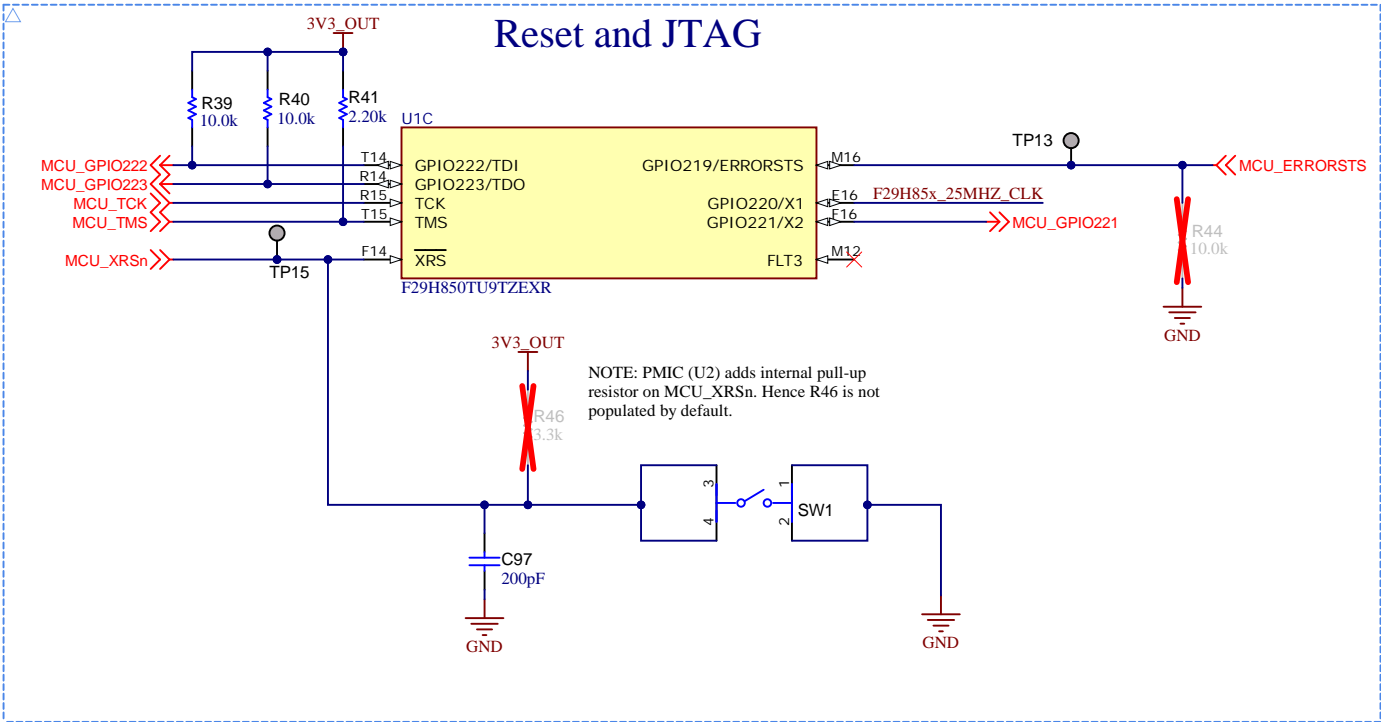
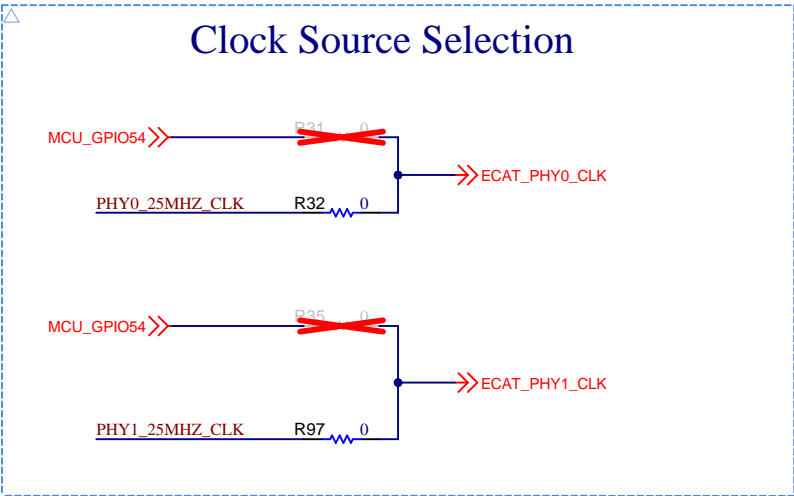
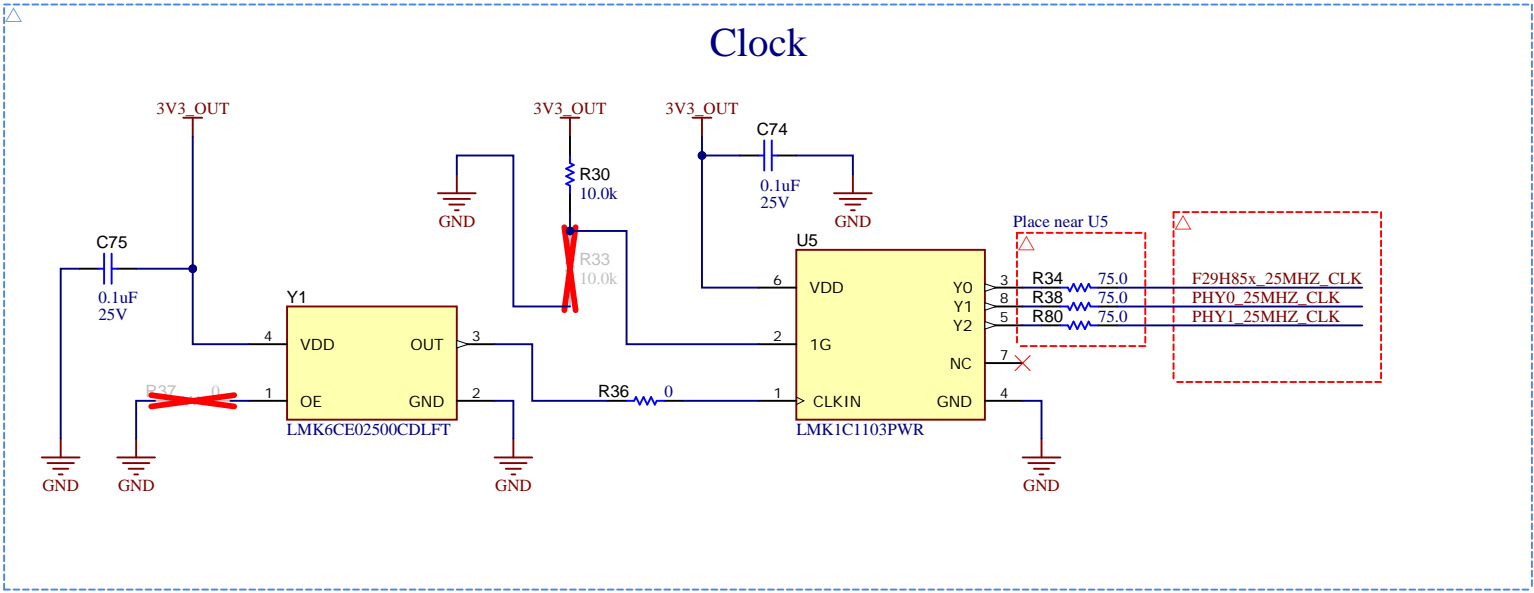
Place near U1

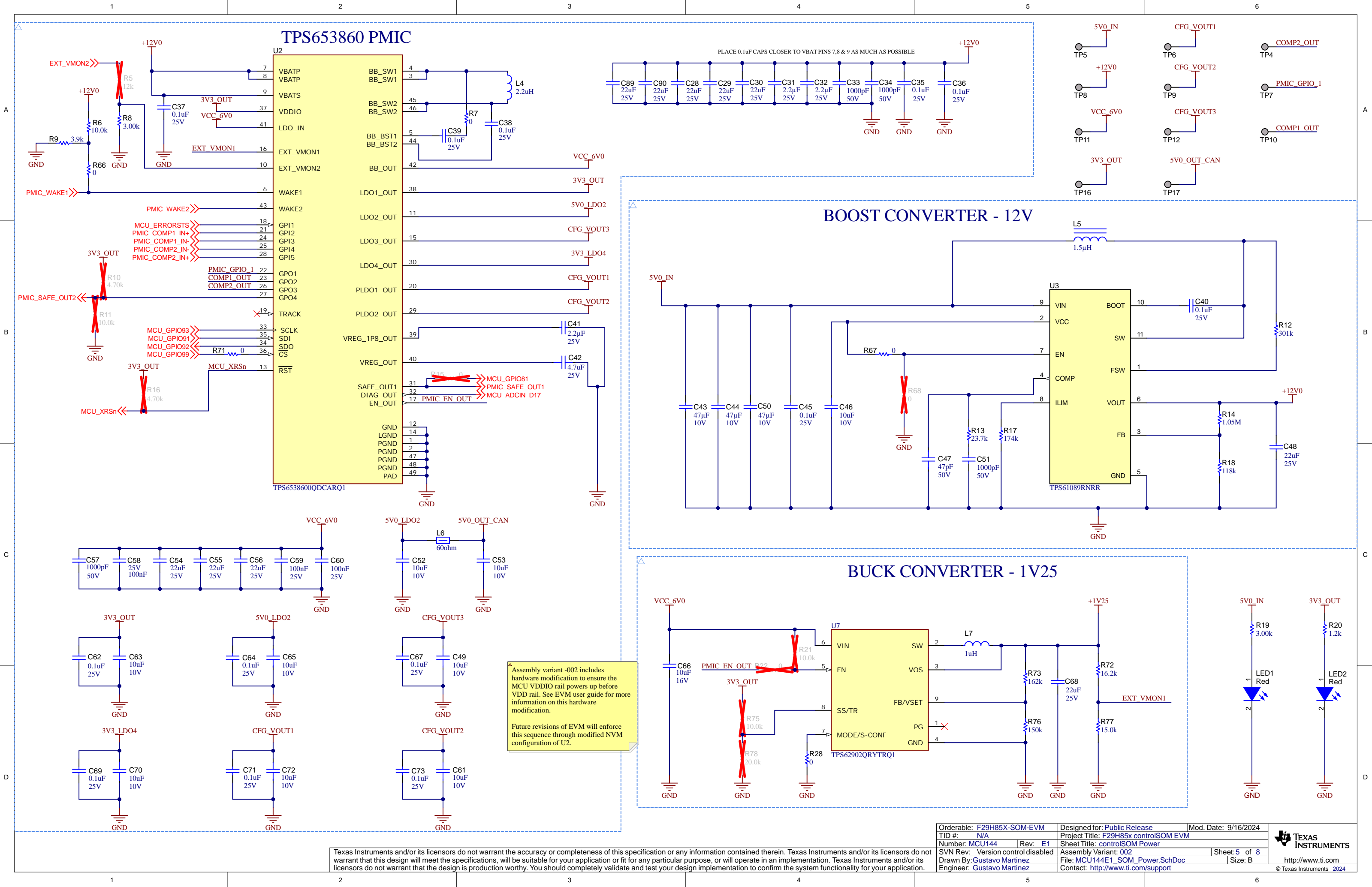




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Orderable: F29H85X-SOM-EVM	Designed for: Public Release	Mod. Date: 7/1/2024
TID #: N/A	Project Title: F29H85x controlSOM EVM	
Number: MCU144	Rev: E1	Sheet Title: ADC
SVN Rev: Version control disabled	Assembly Variant: 002	Sheet: 3 of 8
Drawn By: Gustavo Martinez	File: MCU144E1_ADC.SchDoc	Size: B
Engineer: Gustavo Martinez	Contact: http://www.ti.com/support	



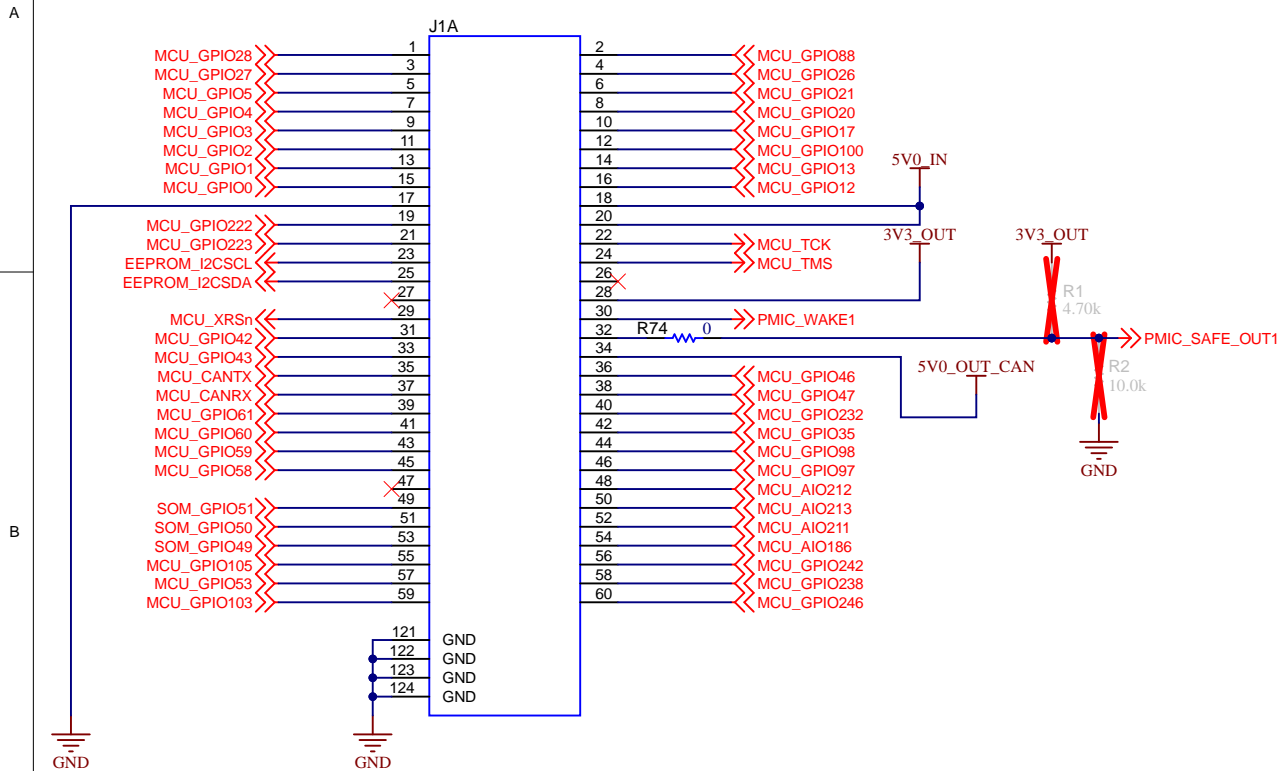


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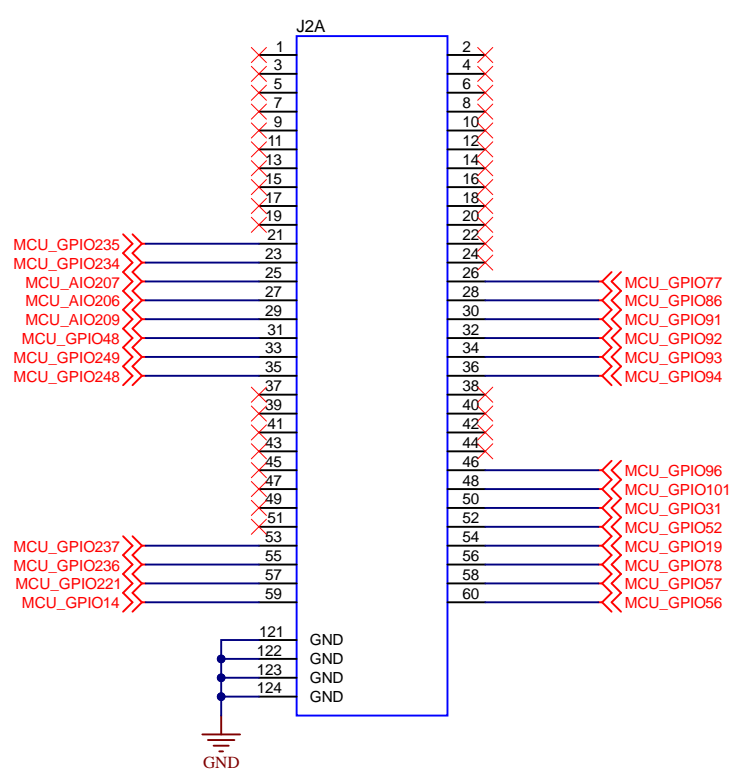
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TID #: N/A	Project Title: F29H85x controlSOM EVM	
Number: MCU144	Rev: E1	Sheet Title: controlSOM Power
SVN Rev: Version control disabled	Assembly Variant: 002	Sheet: 5 of 8
Drawn By: Gustavo Martinez	File: MCU144E1_SOM_Power.SchDoc	Size: B
Engineer: Gustavo Martinez	Contact: <a href="http://www.ti.com/support">http://www.ti.com/support</a>	



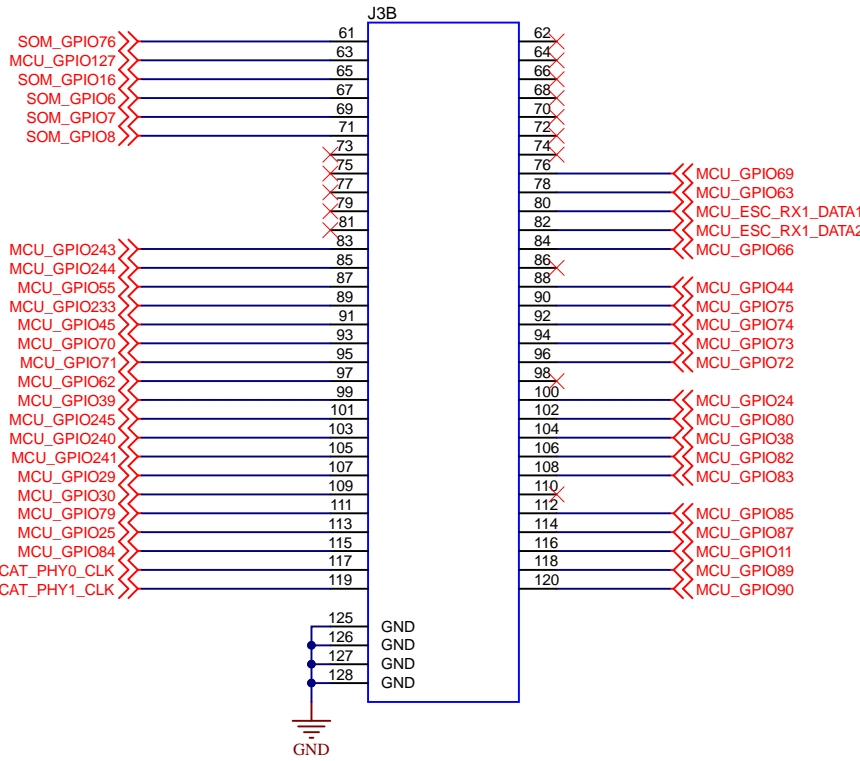
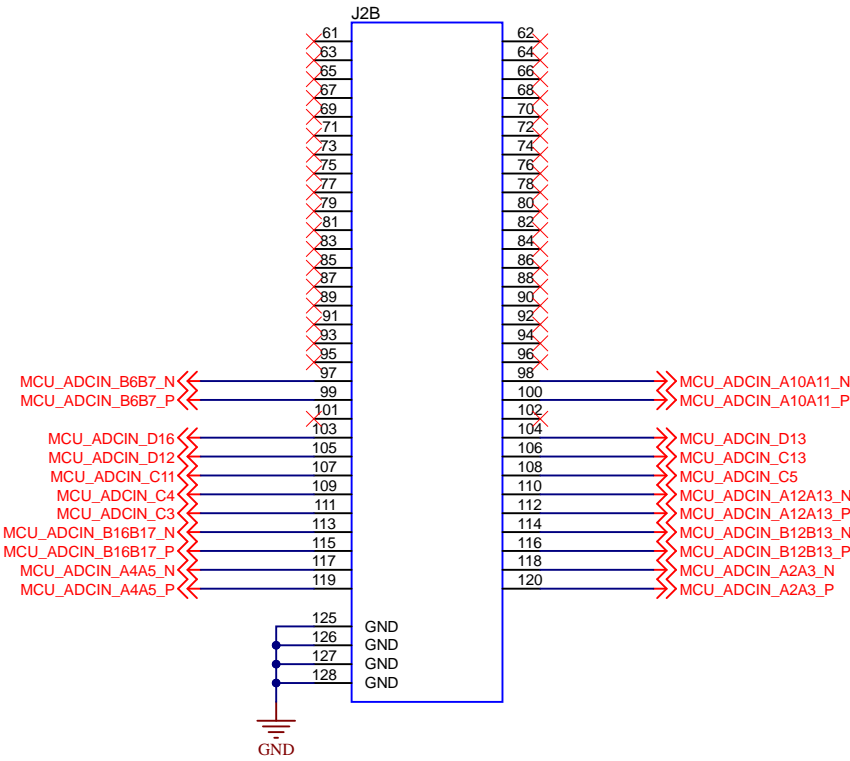
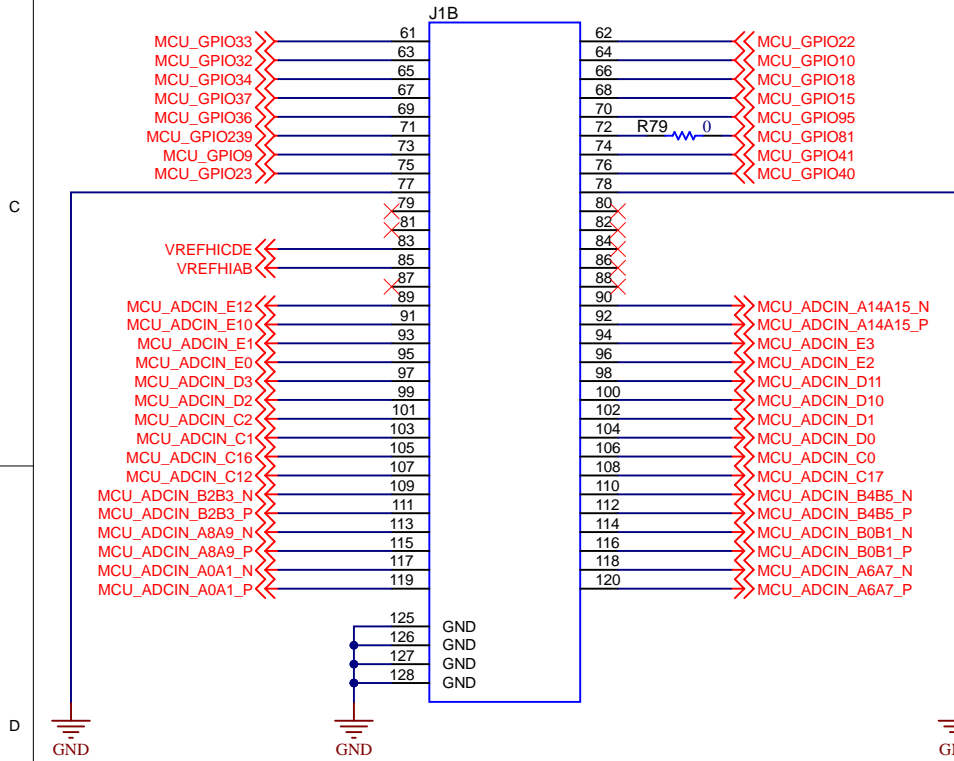
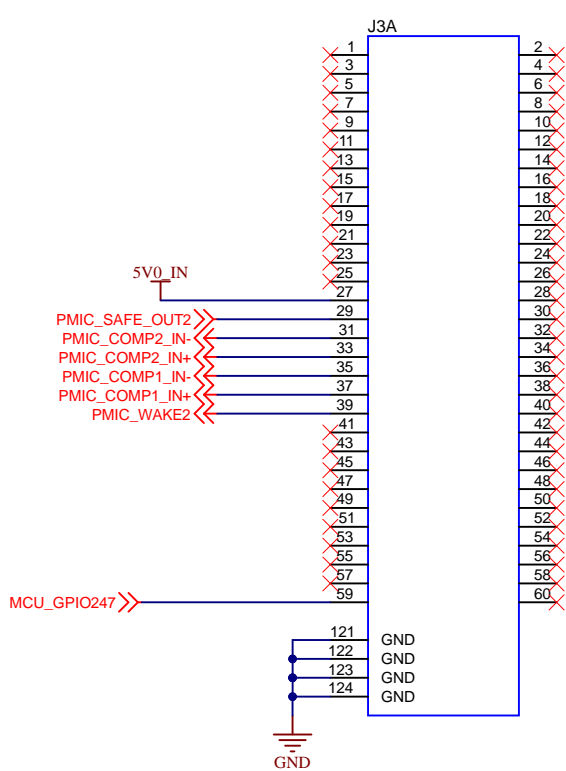
## High Density Connector J1



## High Density Connector J2



## High Density Connector J3



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Orderable: F29H85X-SOM-EVM	Designed for: Public Release	Mod. Date: 7/1/2024
TID #: N/A	Project Title: F29H85x controlSOM EVM	
Number: MCU144	Rev: E1	Sheet Title: Baseboard Connectors
SVN Rev: Version control disabled	Assembly Variant: 002	Sheet: 6 of 8
Drawn By: Gustavo Martinez	File: MCU144E1 Baseboard Connectors.SchDoc	Size: B
Engineer: Gustavo Martinez	Contact: http://www.ti.com/support	

A

B

C

D

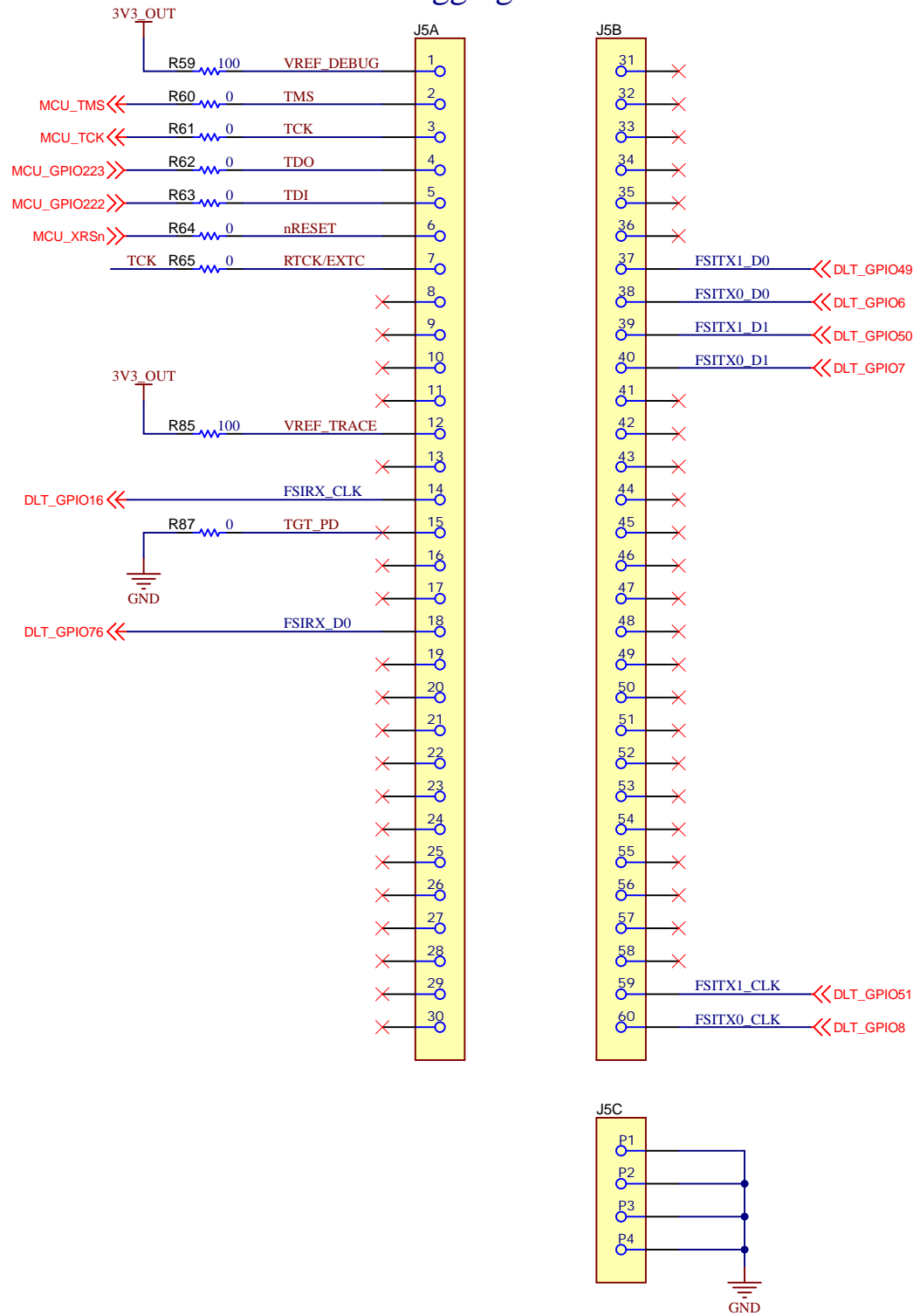
A

B

C

D

Data Logging and Trace Connector



Emulator Connector

