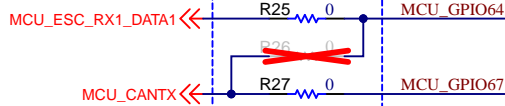


EtherCAT / MCAN-A Boot Selection

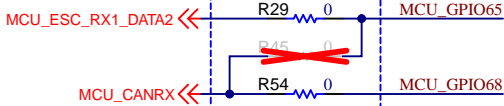
| Mode | Resistor Configuration |
|---------------------|---|
| EtherCAT support* | Populate R25/R27 and R29/R54 with 0-ohm resistor, remove R26/R45. |
| MCAN-A boot support | Populate R26/R45 with 0-ohm resistor, remove R25/R27 and R29/R54. |

*Default

Place near U1, use Z pattern to eliminate trace stubs



Place near U1, use Z pattern to eliminate trace stubs

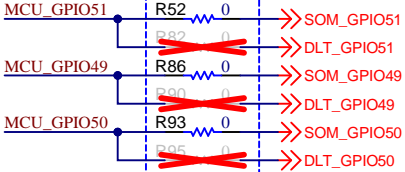


FSI Baseboard / DLT Selection

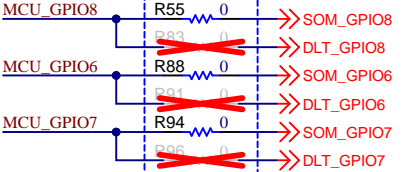
| Mode | Resistor Configuration |
|--------------------|---|
| Baseboard support* | Populate all 0-ohm resistors on SOM_GPIO nets. Remove all resistors on DLT_GPIO nets. |
| DLT support | Populate all 0-ohm resistors on DLT_GPIO nets. Remove all resistors on SOM_GPIO nets. |

*Default

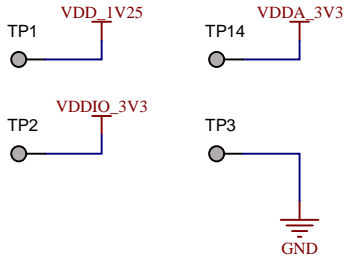
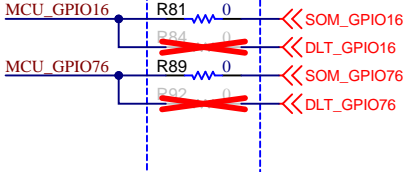
Place near U1

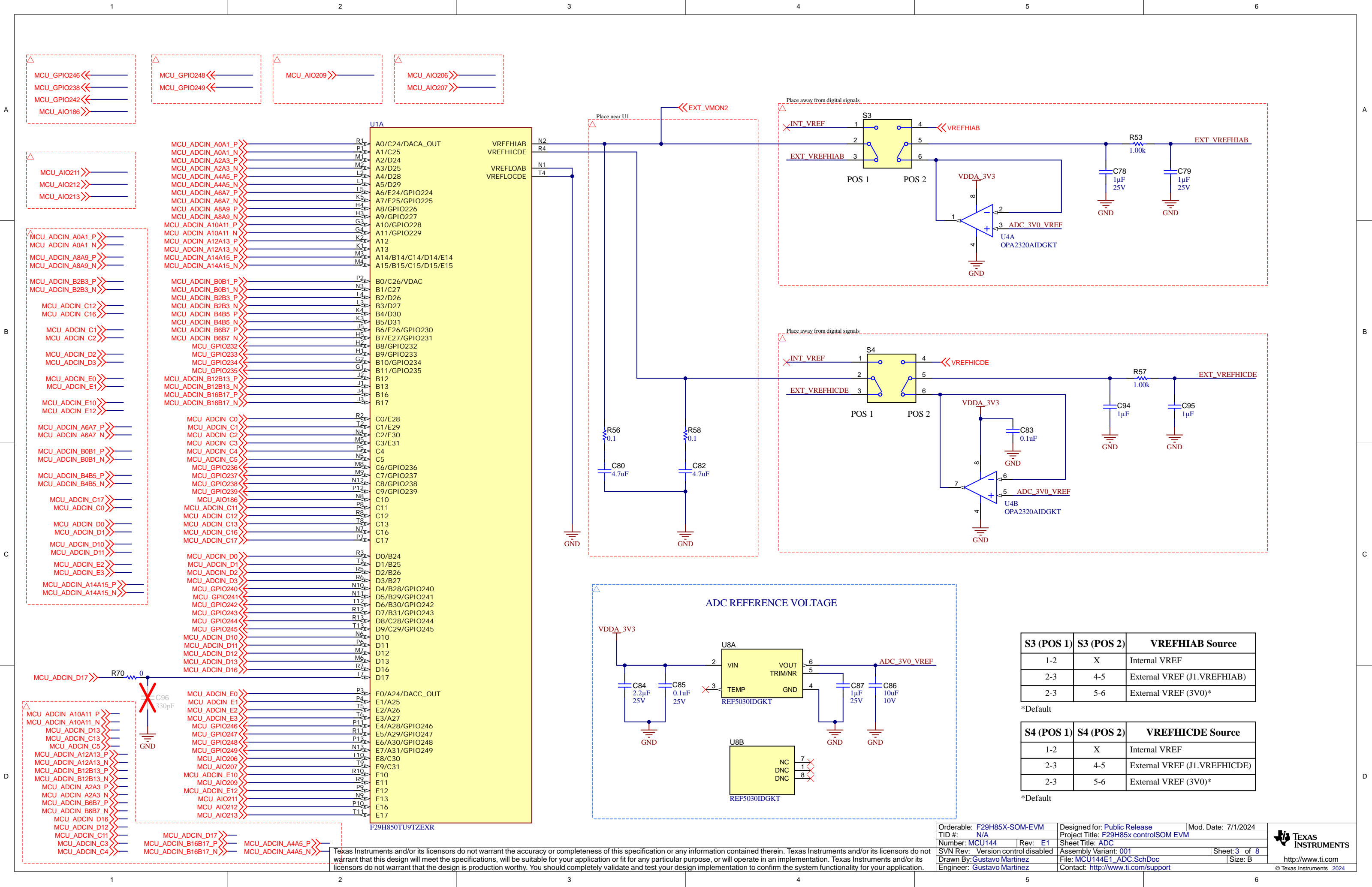


Place near U1



Place near U1



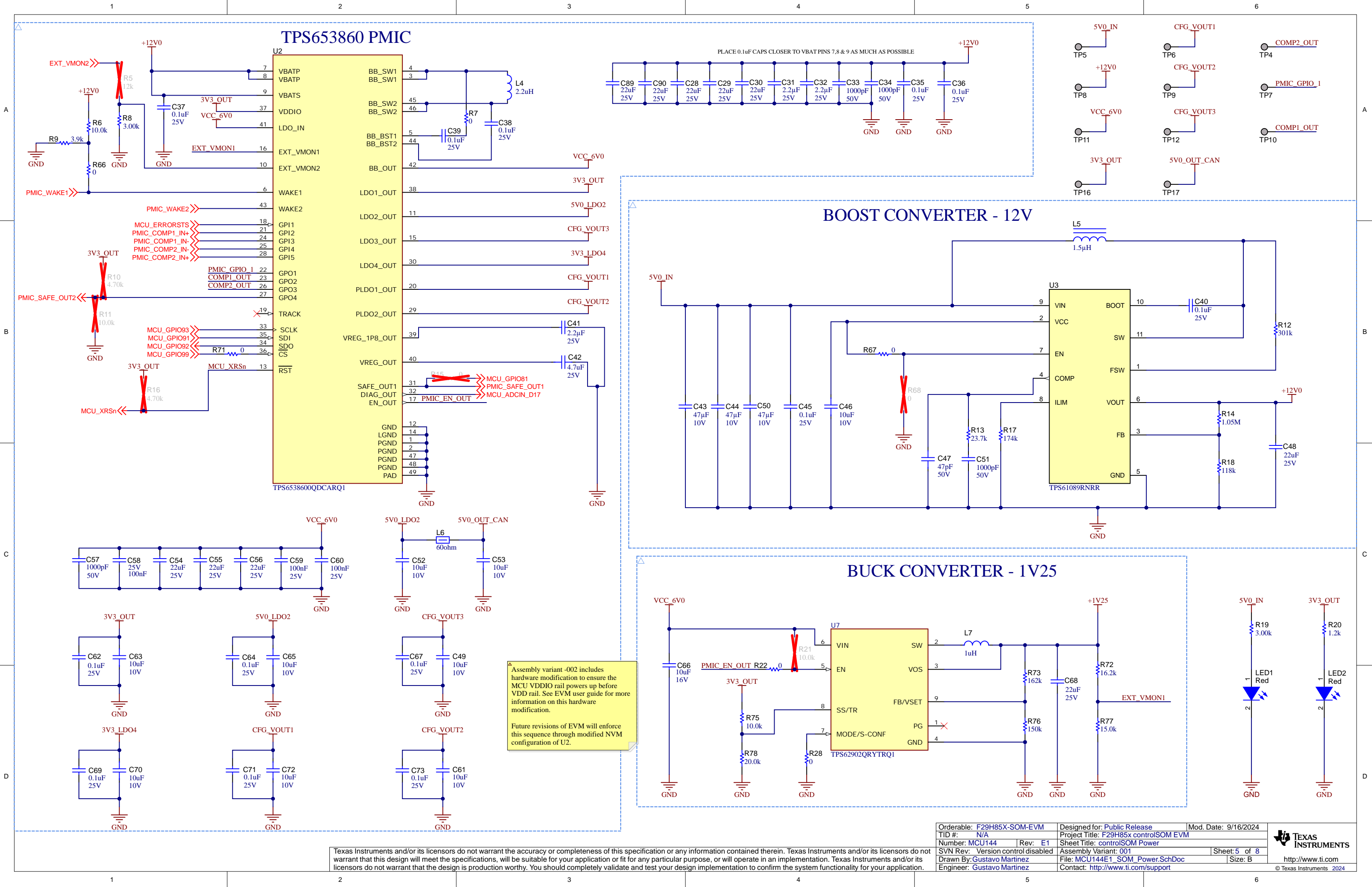


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| | | |
|-----------------------------------|--|---------------------|
| Orderable: F29H85X-SOM-EVM | Designed for: Public Release | Mod. Date: 7/1/2024 |
| TID #: N/A | Project Title: F29H85x controlSOM EVM | |
| Number: MCU144 | Rev: E1 | Sheet Title: ADC |
| SVN Rev: Version control disabled | Assembly Variant: 001 | Sheet: 3 of 8 |
| Drawn By: Gustavo Martinez | File: MCU144E1_ADC.SchDoc | Size: B |
| Engineer: Gustavo Martinez | Contact: http://www.ti.com/support | |

Clock

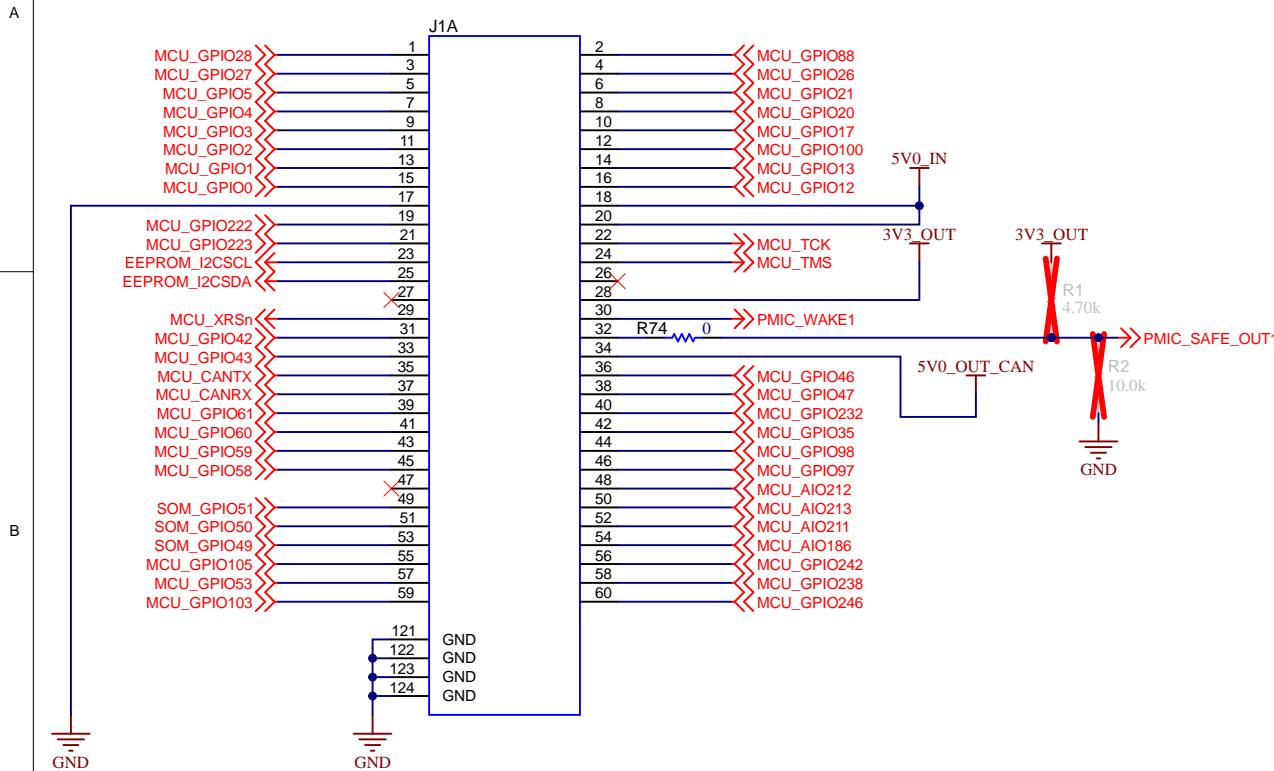




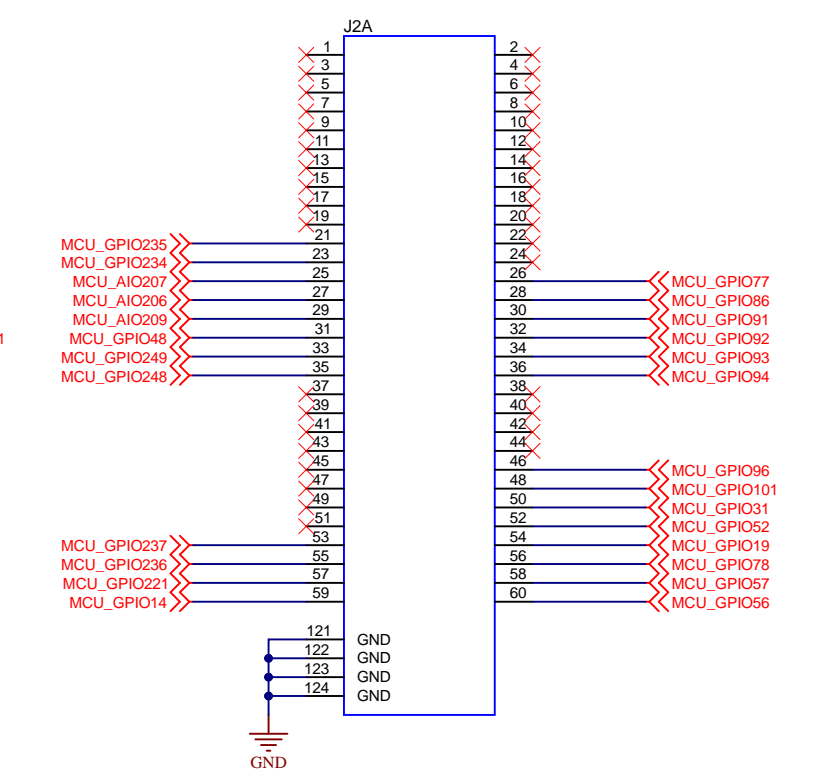
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| | | |
|-----------------------------------|--|-------------------------------|
| Orderable: F29H85X-SOM-EVM | Designed for: Public Release | Mod. Date: 9/16/2024 |
| TID #: N/A | Project Title: F29H85x controlSOM EVM | |
| Number: MCU144 | Rev: E1 | Sheet Title: controlSOM Power |
| SVN Rev: Version control disabled | Assembly Variant: 001 | Sheet: 5 of 8 |
| Drawn By: Gustavo Martinez | File: MCU144E1_SOM_Power.SchDoc | Size: B |
| Engineer: Gustavo Martinez | Contact: http://www.ti.com/support | © Texas Instruments 2024 |

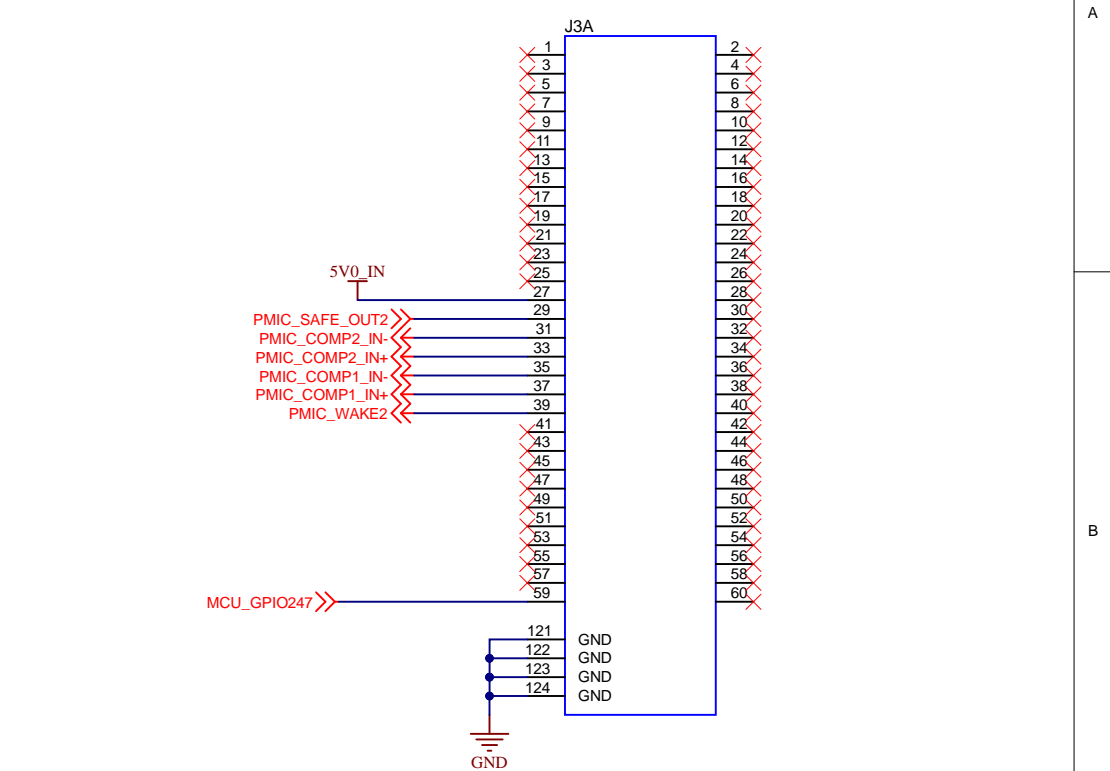
High Density Connector J1



High Density Connector J2



High Density Connector J3



A

B

C

D

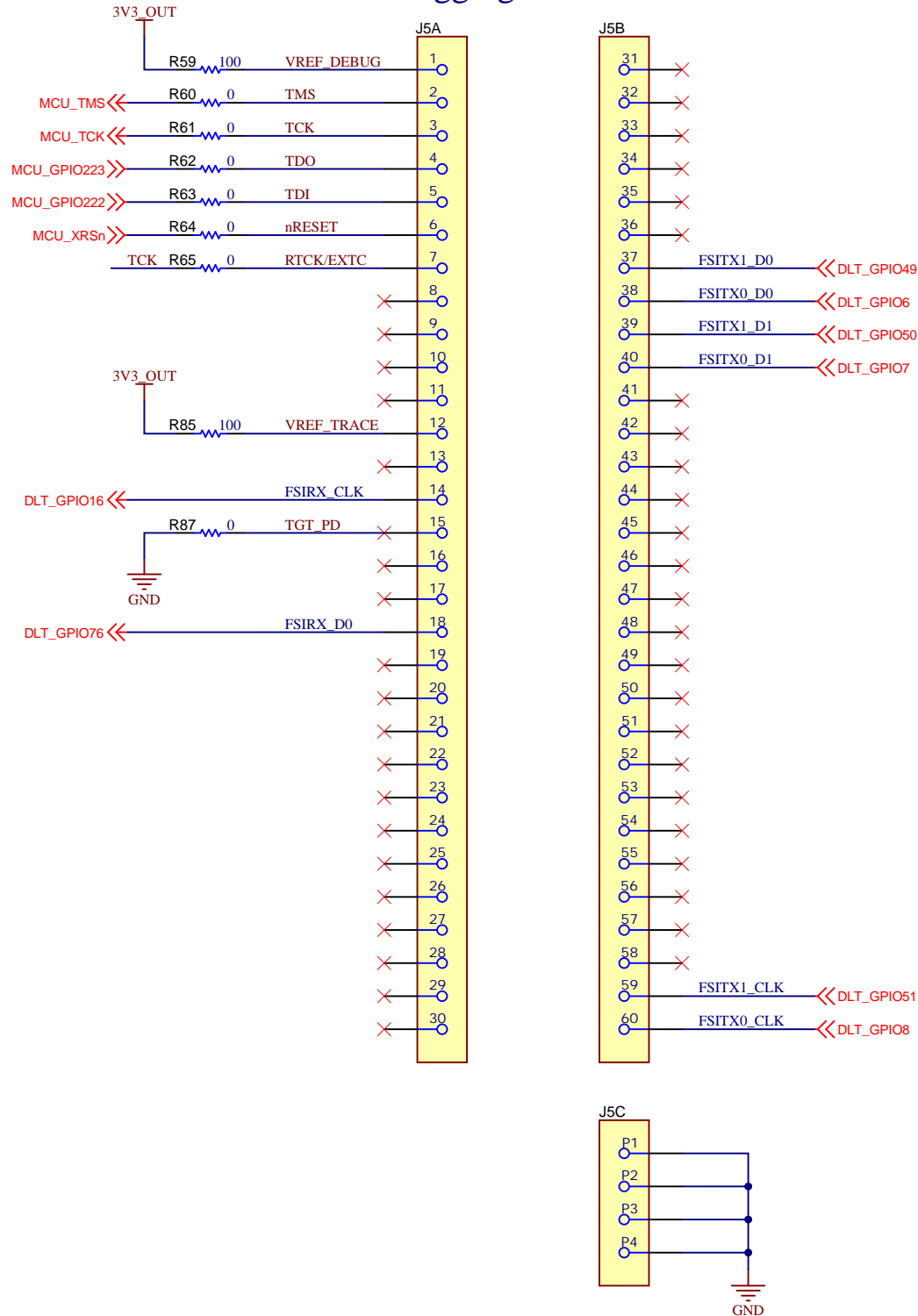
A

B

C

D

Data Logging and Trace Connector



Emulator Connector

