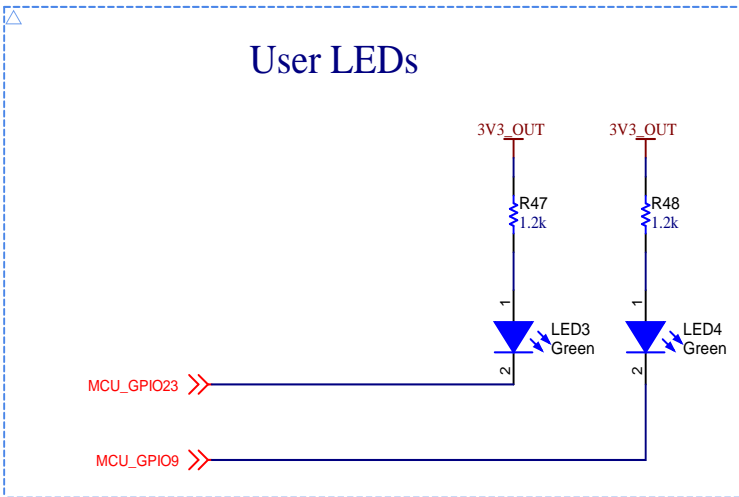
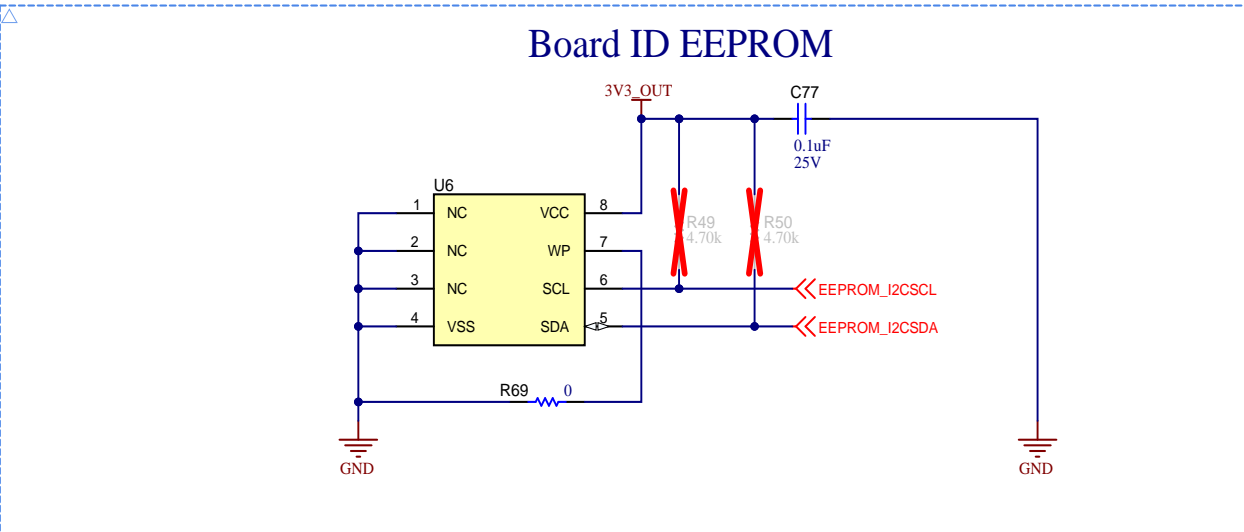
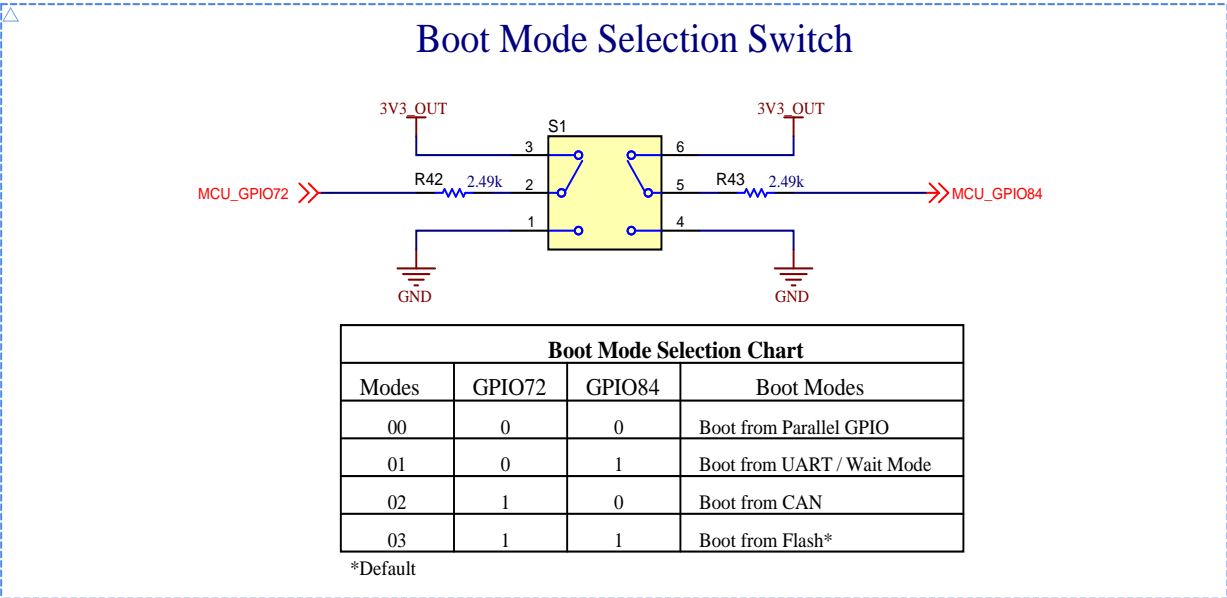
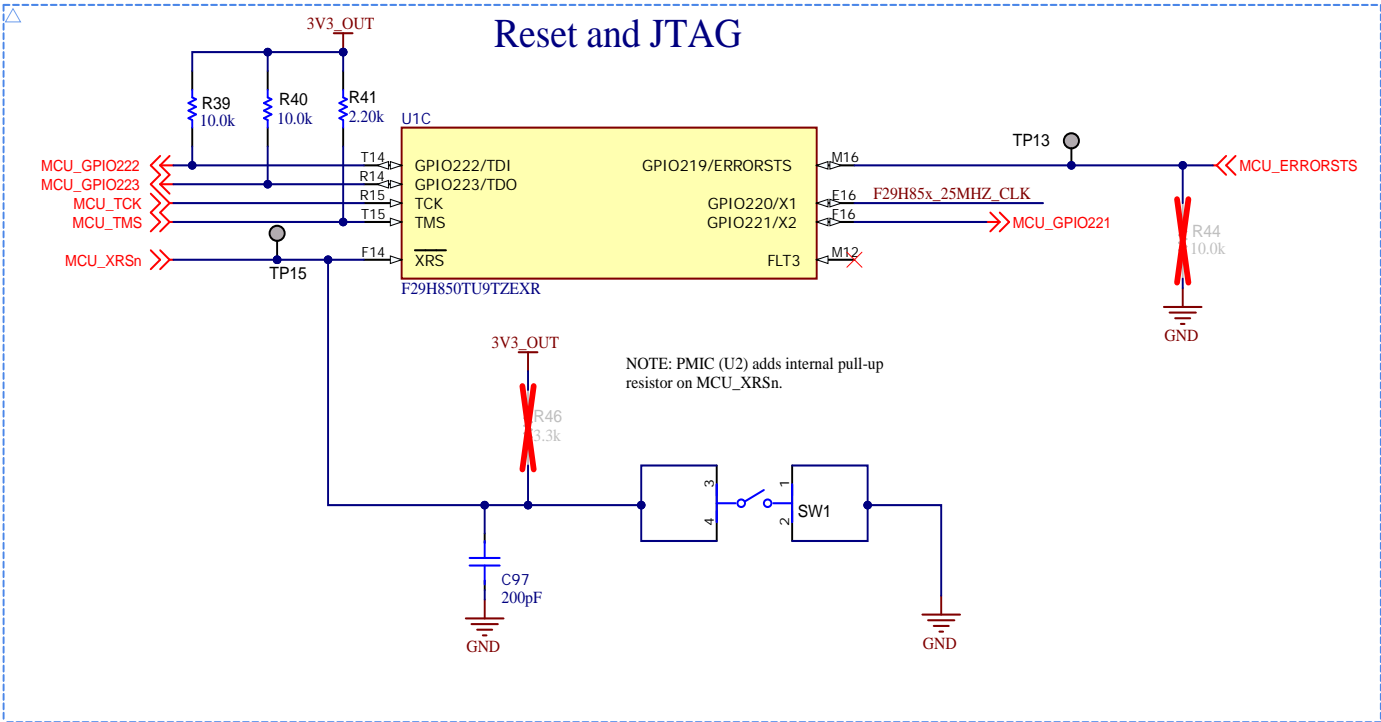
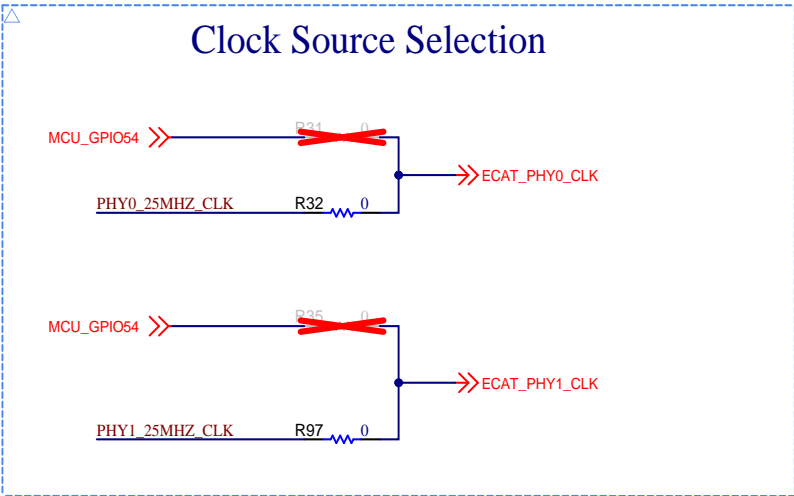
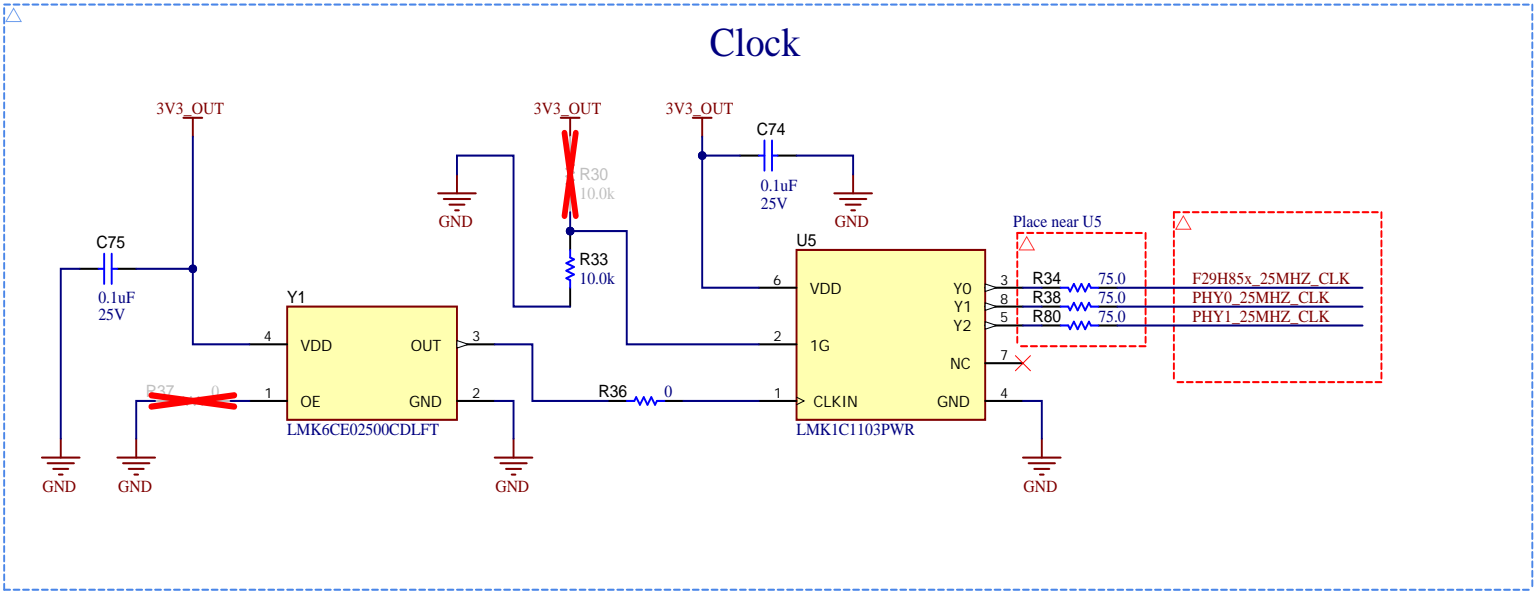


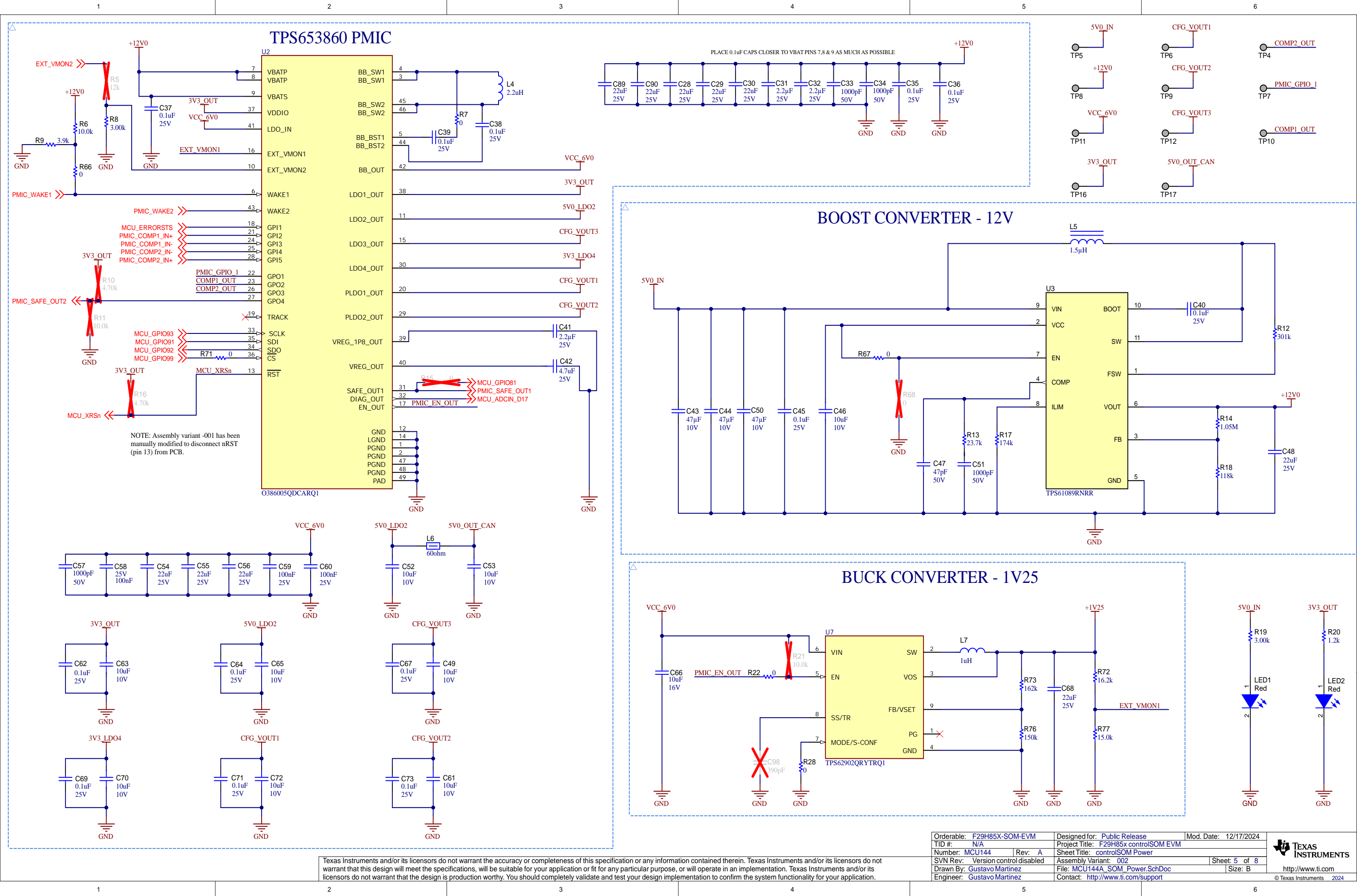
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Orderable:	F29H85X-SOM-EVM	Designed for:	Public Release	Mod. Date:	11/4/2024
TID #:	N/A	Project Title:	F29H85x controlSOM EVM		
Number:	MCU144	Rev:	A	Sheet Title:	ADC
SVN Rev:	Version control disabled	Assembly Variant:	002	Sheet:	3 of 8
Drawn By:	Gustavo Martinez	File:	MCU144A_ADC.SchDoc	Size:	B
Engineer:	Gustavo Martinez	Contact:	http://www.ti.com/support		



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Orderable: F29H85X-SOM-EVM	Designed for: Public Release	Mod. Date: 12/31/2024
TID #: N/A	Project Title: F29H85x controlSOM EVM	
Number: MCU144	Rev: A	Sheet Title: Clock, Reset, and Boot
SVN Rev: Version control disabled	Assembly Variant: 002	Sheet: 4 of 8
Drawn By: Gustavo Martinez	File: MCU144A_Clock_Reset_Boot.SchDoc	Size: B
Engineer: Gustavo Martinez	Contact: http://www.ti.com/support	



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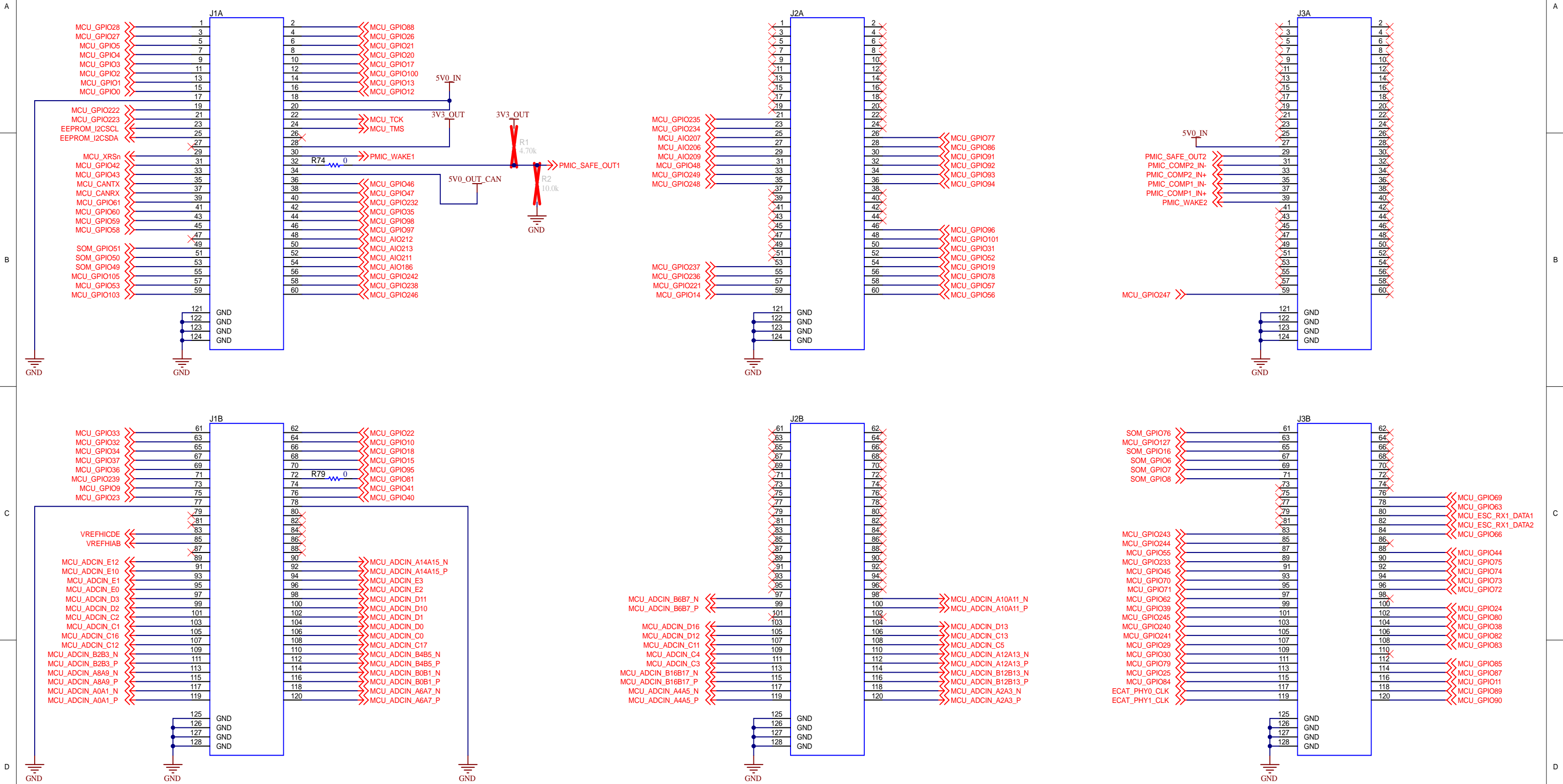
Orderable: F29H85X-SOM-EVM	Designed for: Public Release	Mod. Date: 12/17/2024
TID #: N/A	Project Title: F29H85x controlSOM EVM	
Number: MCU144	Rev: A	Sheet Title: controlSOM Power
SVN Rev: Version control disabled	Assembly Variant: 002	Sheet: 5 of 8
Drawn By: Gustavo Martinez	File: MCU144A_SOM_Power.SchDoc	Size: B
Engineer: Gustavo Martinez	Contact: http://www.ti.com/support	



## 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: A	Sheet Title: Baseboard Connectors
SVN Rev: Version control disabled	Assembly Variant: 002	Sheet: 6 of 8
Drawn By: Gustavo Martinez	File: MCU144A_Baseboard_Connectors.SchDoc	Size: B
Engineer: Gustavo Martinez	Contact: <a href="http://www.ti.com/support">http://www.ti.com/support</a>	

A

B

C

D

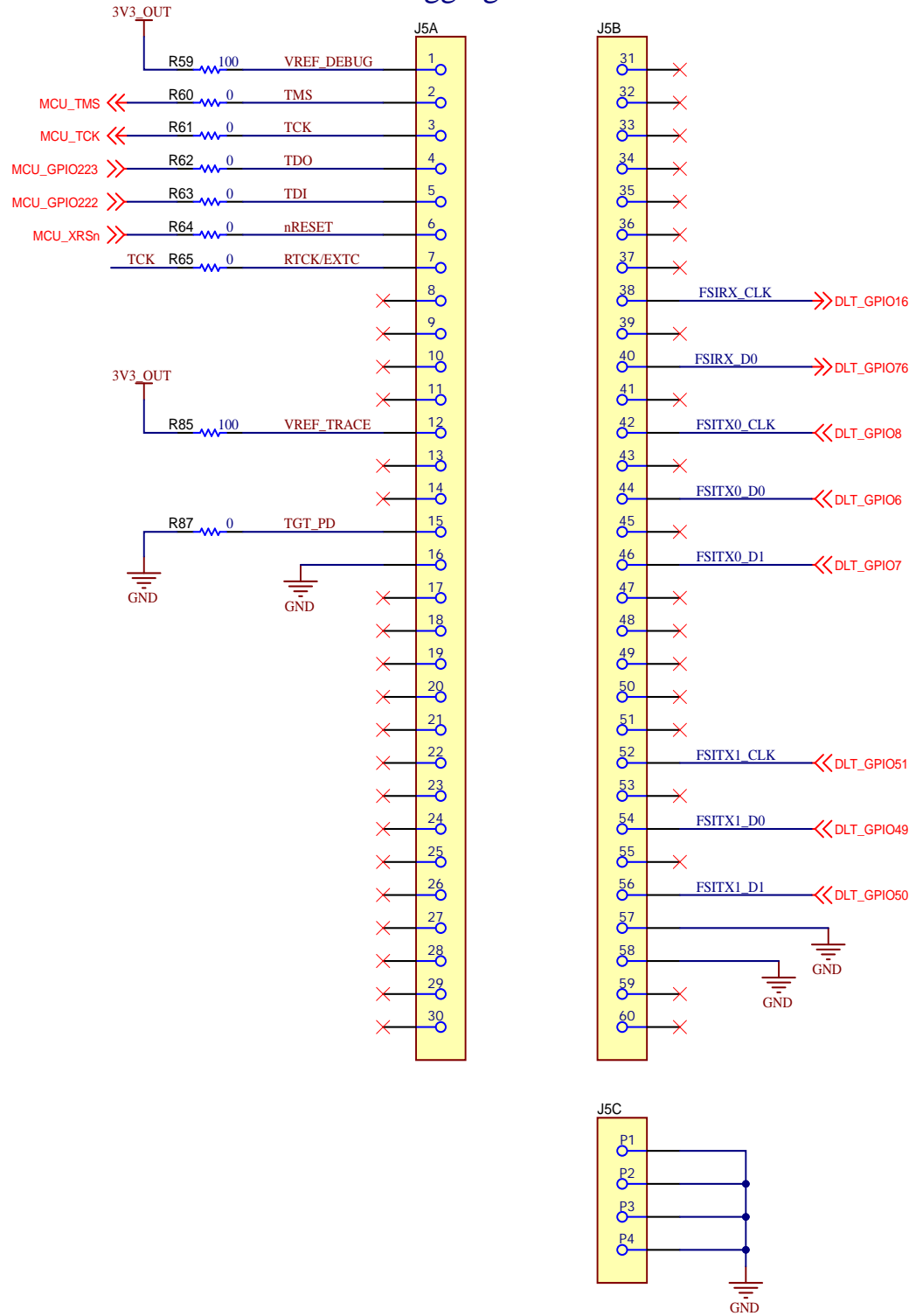
A

B

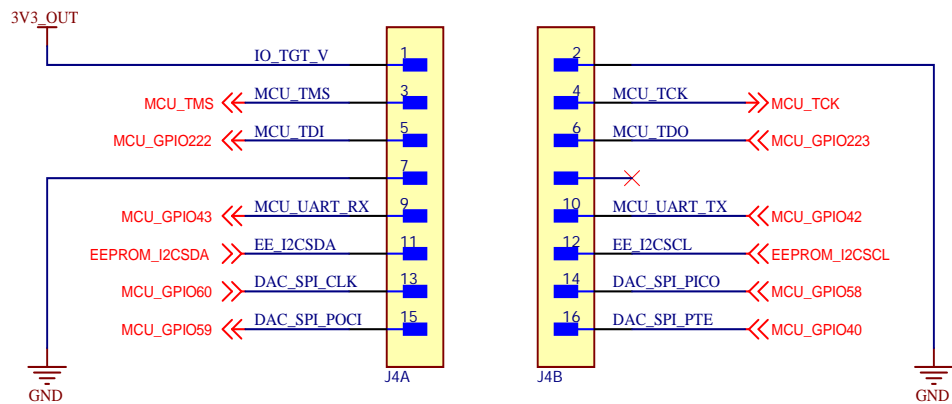
C

D

Data Logging and Trace Connector



Emulator Connector



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Orderable: F29H85X-SOM-EVM	Designed for: Public Release	Mod. Date: 10/23/2024
TID #: N/A	Project Title: F29H85x controlSOM EVM	
Number: MCU144	Rev: A	Sheet Title: Emulation Connectors
SVN Rev: Version control disabled	Assembly Variant: 002	Sheet: 7 of 8
Drawn By: Gustavo Martinez	File: MCU144A_Emulation_Connectors.SchDoc	Size: B
Engineer: Gustavo Martinez	Contact: <a href="http://www.ti.com/support">http://www.ti.com/support</a>	



PCB Number: MCU144  
PCB Rev: A

PCB  
LOGO  
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PCB  
LOGO  
FCC disclaimer

PCB  
LOGO  
WEEE logo



MTG NoPads

MTG NoPads

MTG NoPads

MTG NoPads

Variant	Variant Description
001	25-MHz clock disabled; U2 NRST read-back disabled; see user guide for details.
002	25-MHz clock disabled; see user guide for details.
003	Full-feature

ZZ1

### Label Assembly Note

This Assembly Note is for PCB labels only

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

Orderable: <b>F29H85X-SOM-EVM</b>	Designed for: <b>Public Release</b>	Mod. Date: 12/31/2024
TID #: <b>N/A</b>	Project Title: <b>F29H85x controlSOM EVM</b>	
Number: <b>MCU144</b>	Rev: <b>A</b>	Sheet Title: <b>EVM Hardware</b>
SVN Rev: <b>Version control disabled</b>	Assembly Variant: <b>002</b>	Sheet: <b>8</b> of <b>8</b>
Drawn By: <b>Gustavo Martinez</b>	File: <b>MCU144A_EVM_Hardware.SchDoc</b>	Size: <b>B</b>
Engineer: <b>Gustavo Martinez</b>	Contact: <a href="http://www.ti.com/support">http://www.ti.com/support</a>	



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