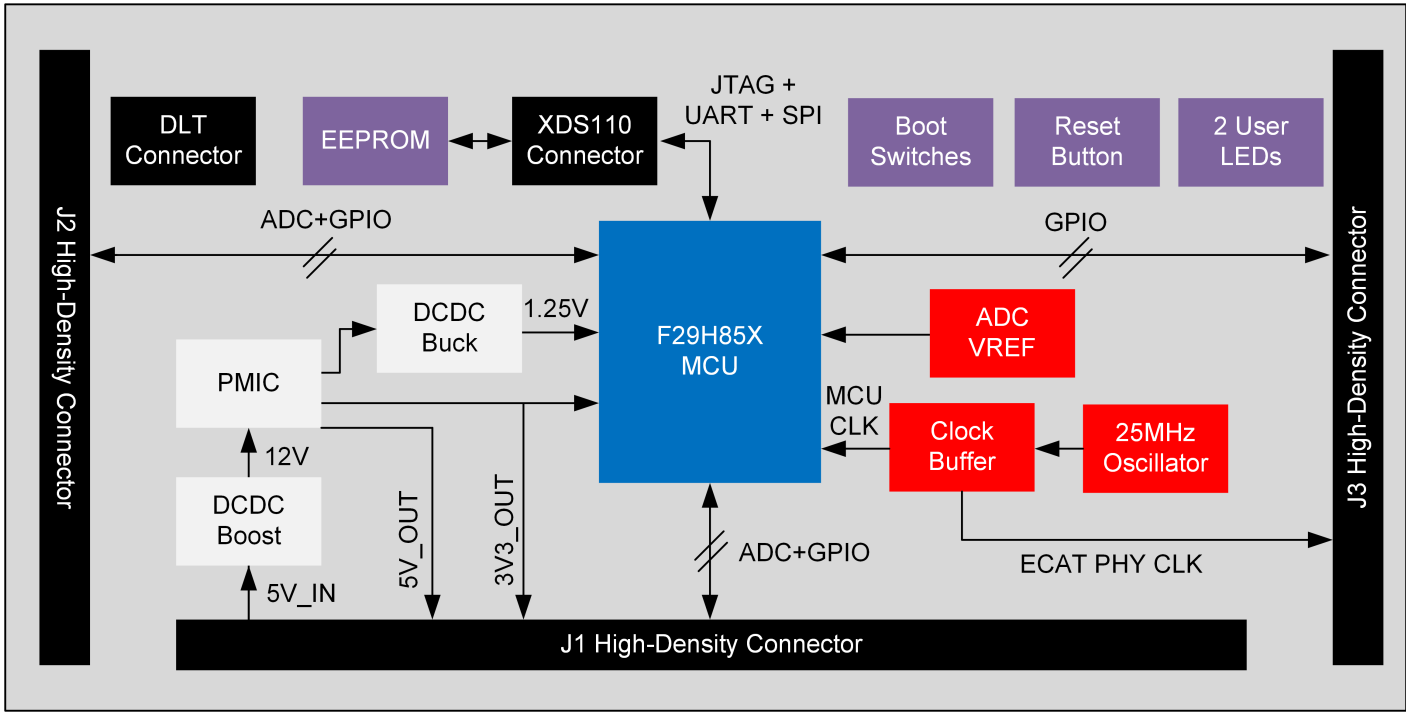


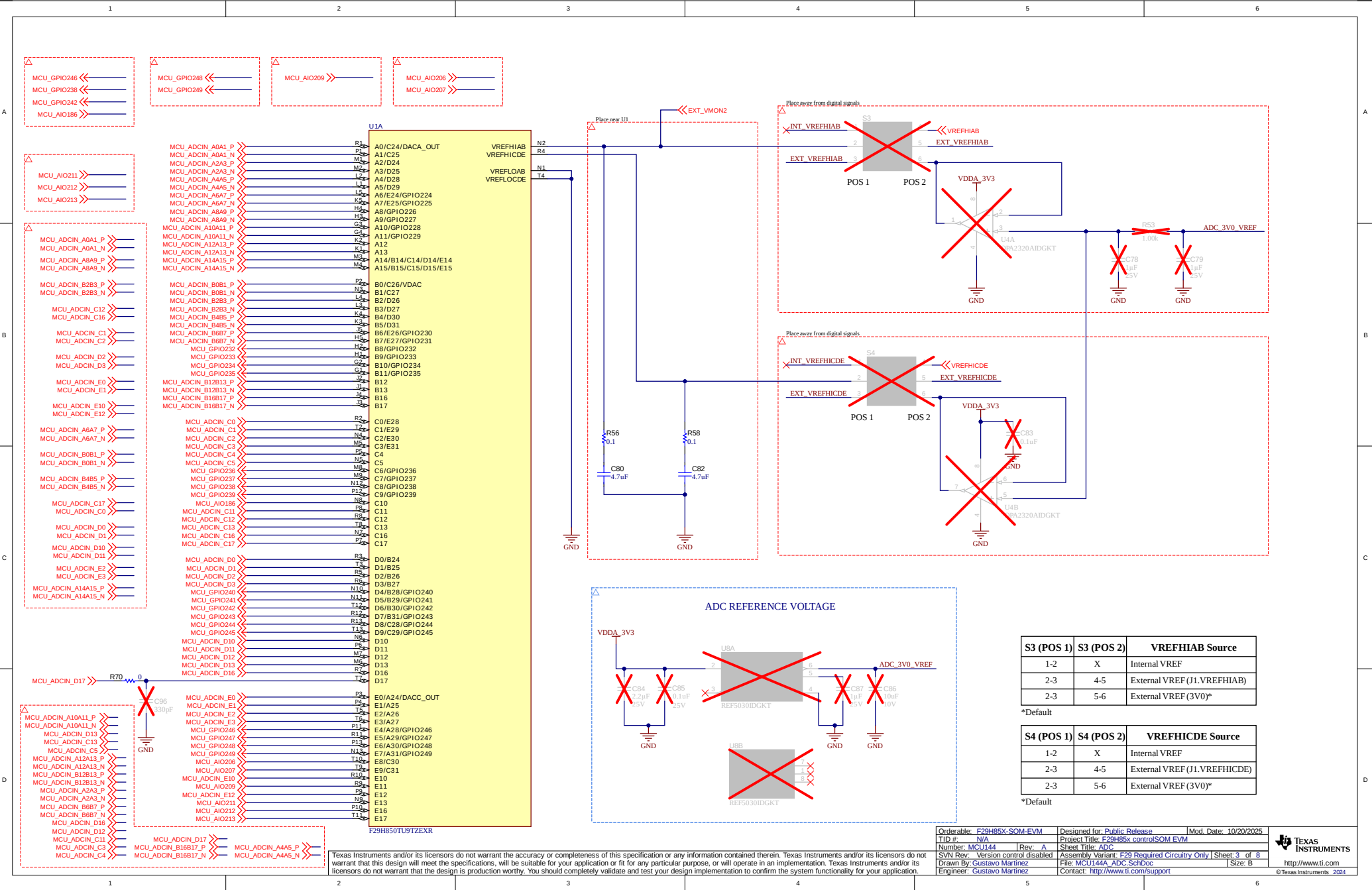
Revision History				
Rev	ECN #	Approved Date	Approved by	Notes
E1	N/A	N/A	GM	Original engineering release.
A	N/A	Oct. 17, 2024	GM	- Changed default boot mode to 11b - Changed C97 part number - Changed internal VREF connection on S3/S4 - Changed FSI connections on J5 - Removed tracking feature from U7 - Added soft start capacitor to U7 - Changed filtering scheme for ADC external reference
A	N/A	Oct. 20, 2025	GM	Updated notes in SOM power schematic; no functional change to EVM.



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Orderable: F29H85X-SOM-EVM	Designed for: Public Release	Mod. Date: 10/20/2025
TID #: N/A	Project Title: F29H85X controlSOM EVM	
Number: MCU144	Rev: A	Sheet Title: Block Diagram
SVN Rev: Version control disabled	Assembly Variant: F29 Required Circuitry Only	Sheet: 1 of 8
Drawn By: Gustavo Martinez	File: MCU144A_Coversheet.SchDoc	Size: B
Engineer: Gustavo Martinez	Contact: http://www.ti.com/support	http://www.ti.com



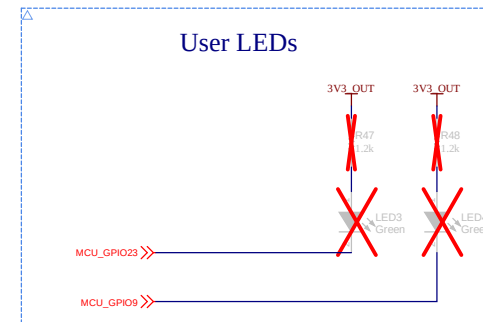
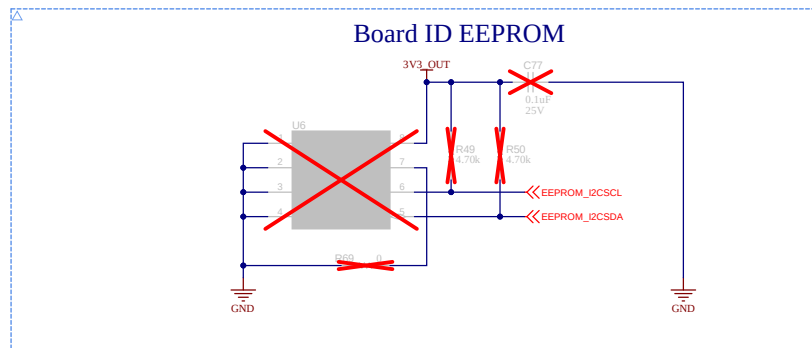
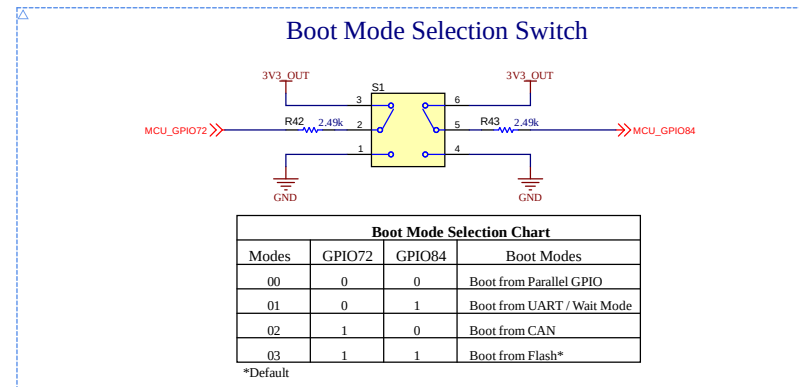
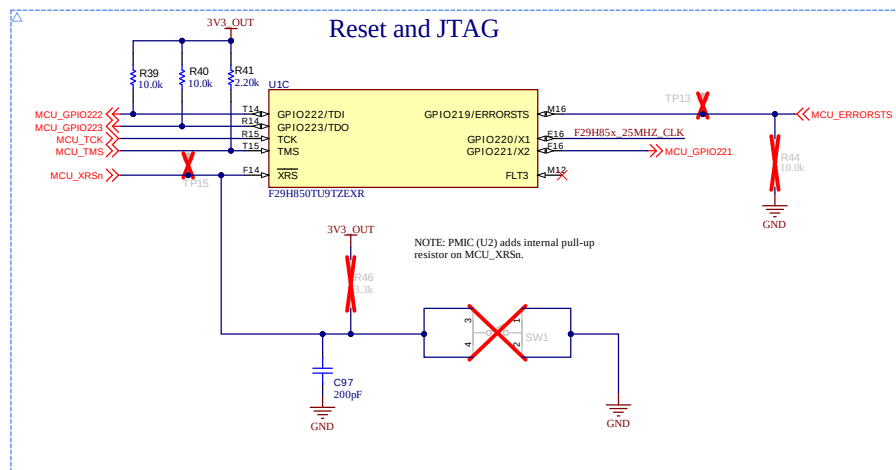
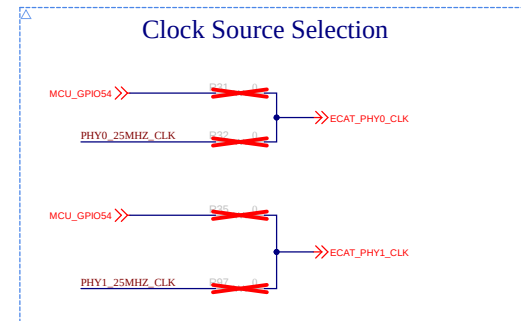
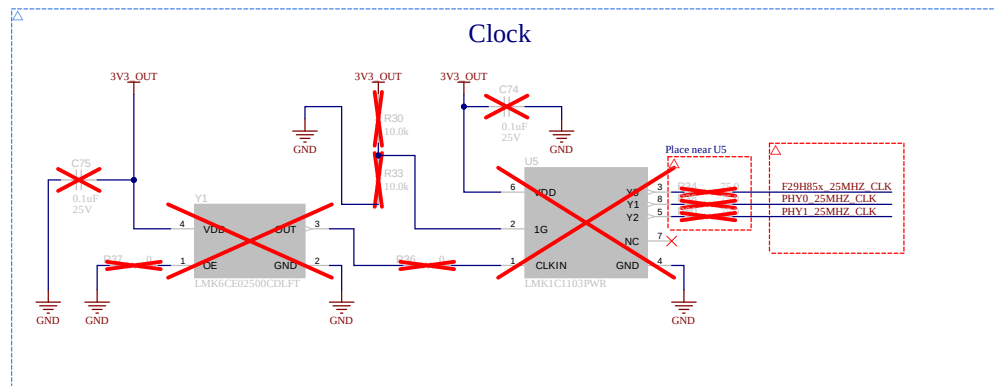


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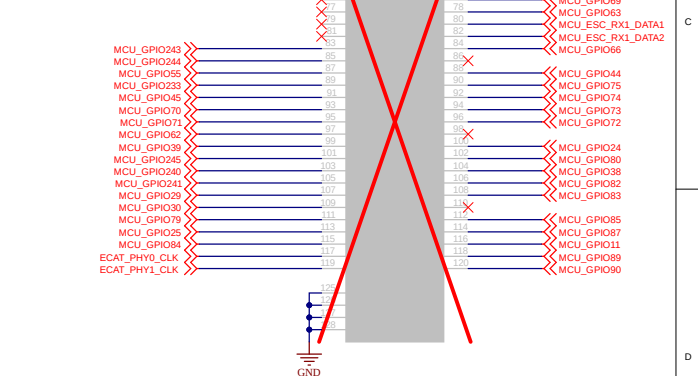
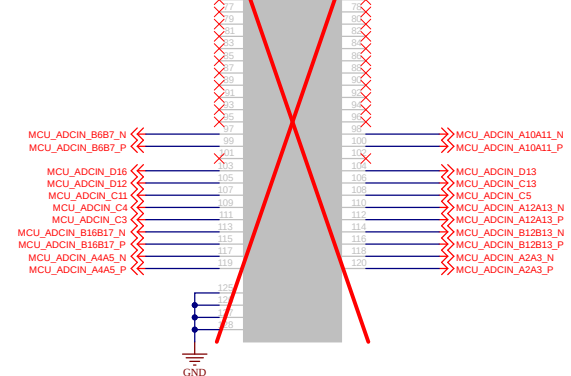
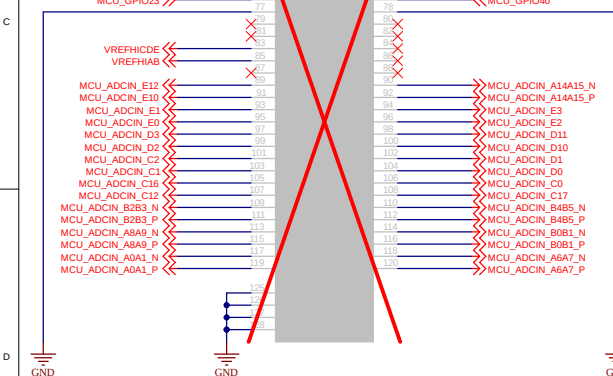
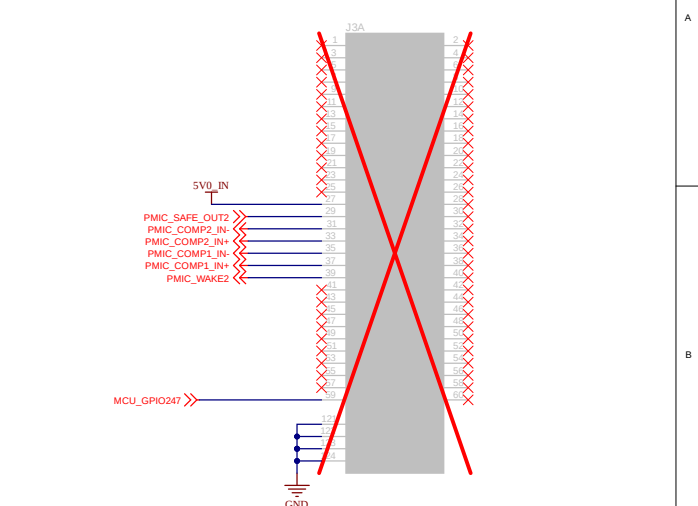
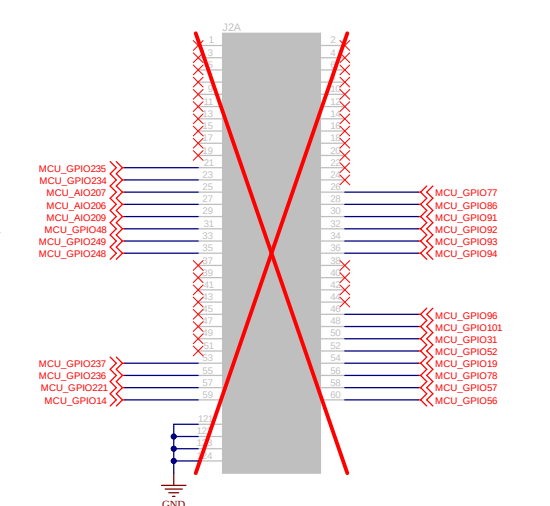
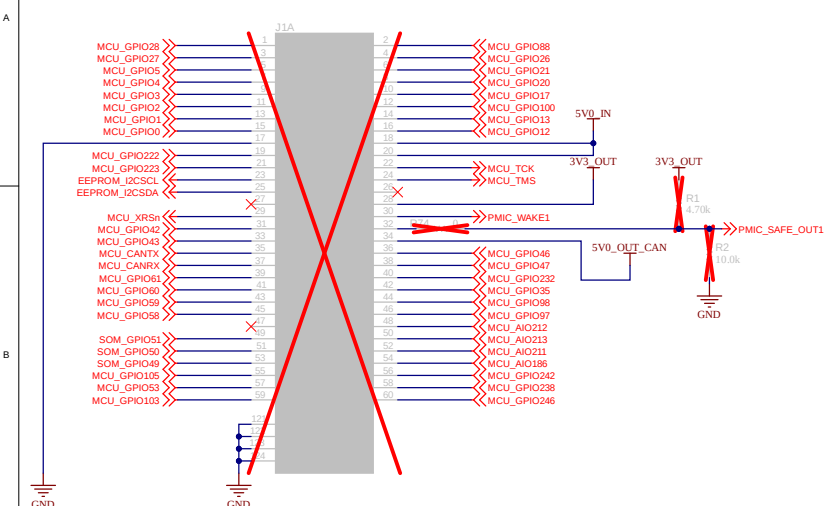
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TID #: N/A	Project Title: F29H85X control SOM EVM	
Number: MCU144	Rev: A	Sheet Title: ADC
SVN Rev: Version control disabled	Assembly Variant: F29 Required Circuitry Only	Sheet: 3 of 8
Drawn By: Gustavo Martinez	File: MCU144A_ADC_SchDoc	Size: B
Engineer: Gustavo Martinez	Contact: http://www.ti.com/support	

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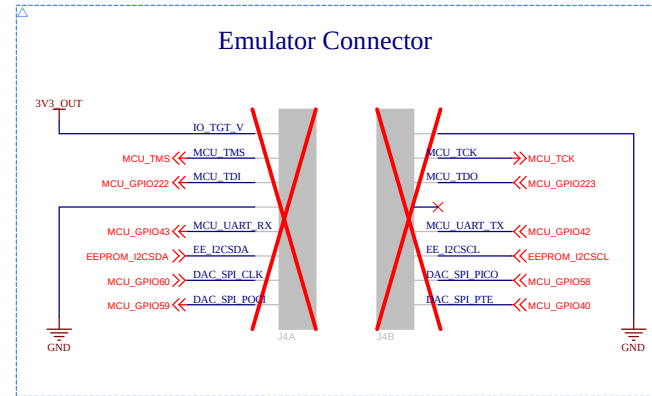
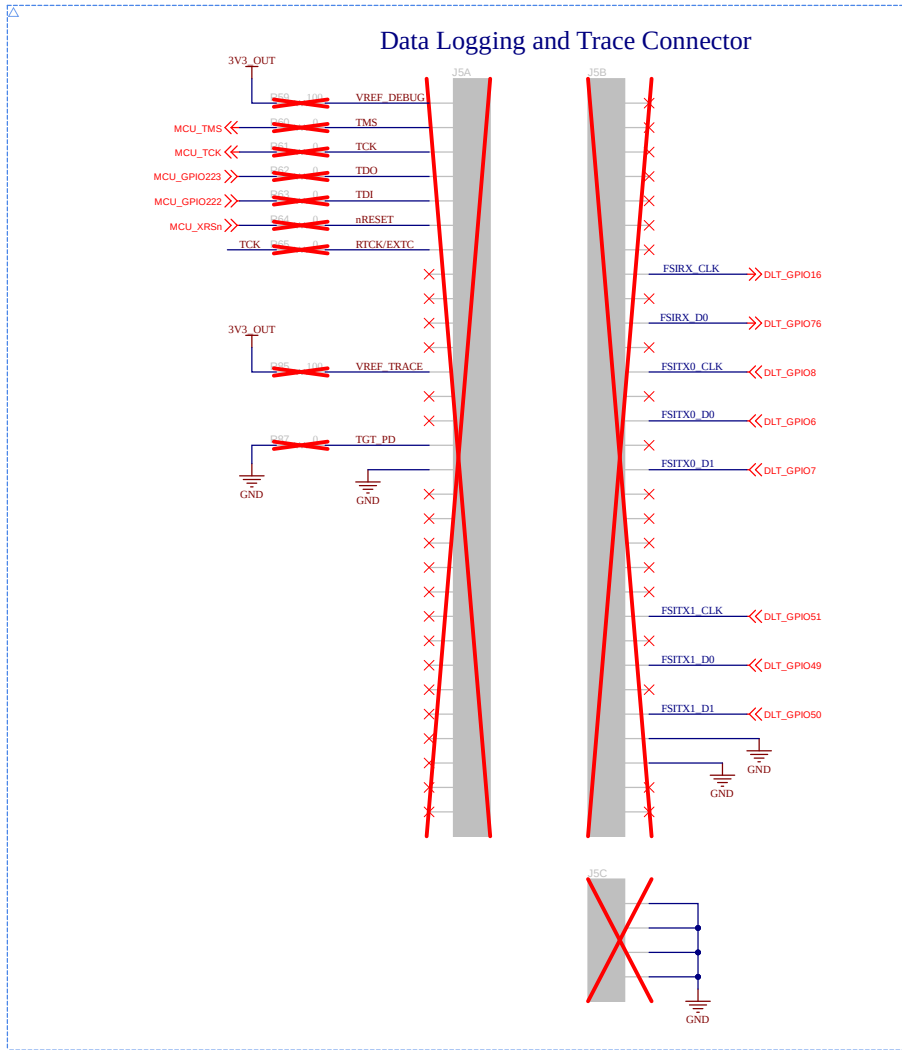




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Order#:	F29H85X-SOM-EVM	Designed for:	Public Release	Mod. Date:	7/1/2024
Proj#:	N/A	Project Title:	F29H85X: controlSOM EVM	 TEXAS INSTRUMENTS	
Model:	MCU144	Rev:	A		
SVN Rev:	Version control disabled	Assembly Variant:	F29 Required Circuity Only	Sheet:	6 of 8
Drawn By:	Gustavo Martinez	File:	MCU144A_Baseband_Connectors_SchDoc	Size:	B
Engineer:	Gustavo Martinez	Contact:	http://www.ti.com/support	http://www.ti.com © Texas Instruments 2024	



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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: F29 Required Circuitry Only	Sheet: 7 of 8
Drawn By: Gustavo Martinez	File: MCU144A Emulation Connectors.SchDoc	Size: B
Engineer: Gustavo Martinez	Contact: http://www.ti.com/support	

