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										Revision History																					
Rev		ECN #		Approved Date		Approved by		Notes																							
N/A		N/A		N/A		N/A		N/A																							
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Orderable: IWR6843ISK-ODS TID #: N/A Number: PROC075 SVN Rev: Not in version control Drawn By: Engineer: Faiz Ahmed Designed for: Public Release Project Title: IWR6843ISK (INDUSTRIAL STARTER KIT) Sheet Title: Table of Contents Assembly Variant: 001 File: PROC075A_Table of Contents.SchDoc Contact: http://www.ti.com/support Mod. Date: 11/6/2018 Sheet: 1 of 9 Size: B AINSTEIN www.ainstein.ai TEXAS INSTRUMENTS http://www.ti.com © Texas Instruments 2018 Texas Instruments and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. Texas Instruments and/or its licensors do not warrant that this design will meet the specifications, will be suitable for your application or fit for any particular purpose, or will operate in an implementation. Texas Instruments and/or its licensors do not warrant that the design is production worthy. You should completely validate and test your design implementation to confirm the system functionality for your application.																															
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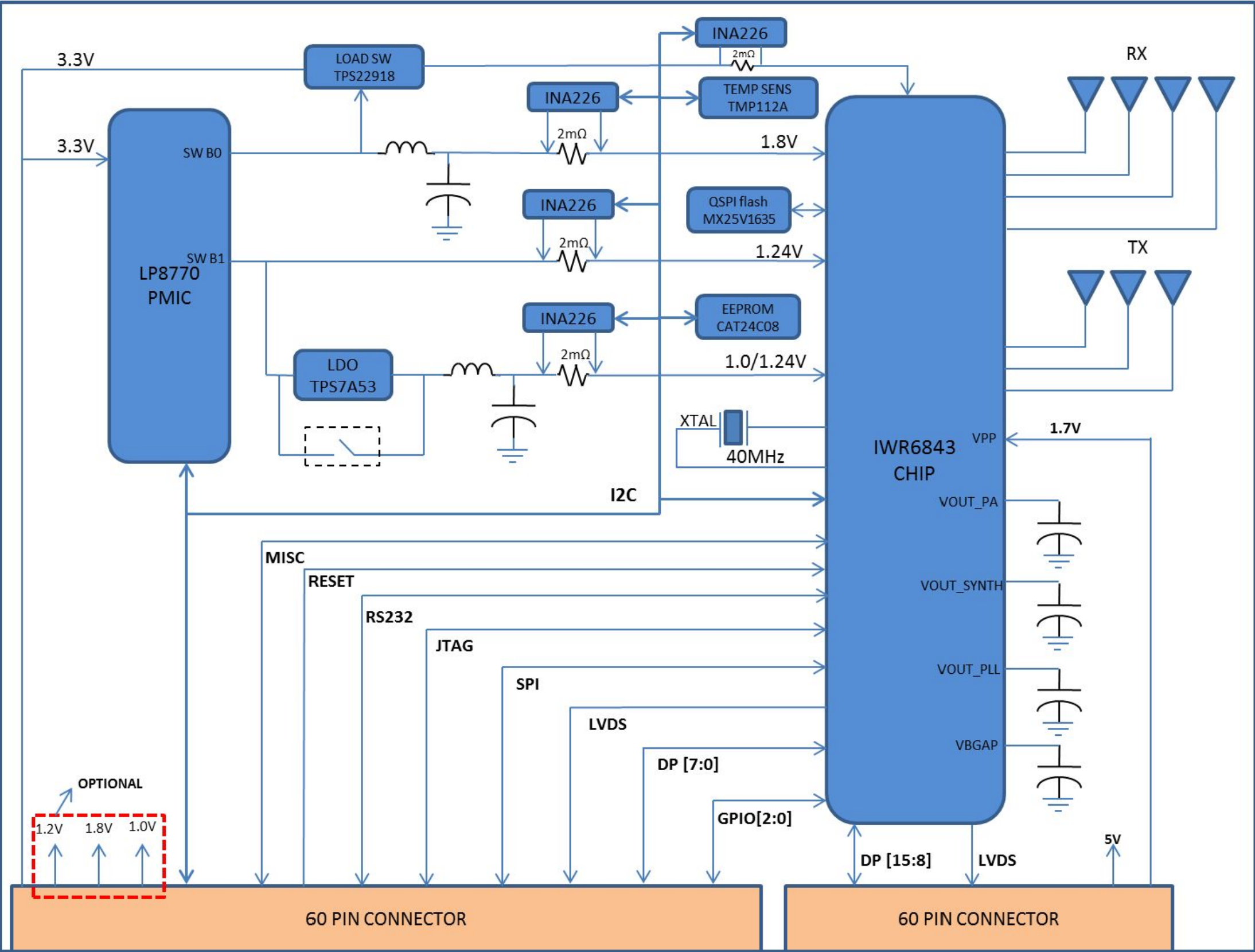
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TID #: N/A		Project Title: IWR6843ISK (INDUSTRIAL STARTER KIT)	
Number: PROC075	Rev: A	Sheet Title: Table of Contents	
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Drawn By:	File: PROC075A Table of Contents.SchDoc	Size: B	
Engineer: Faiz Ahmed	Contact: http://www.ti.com/support		


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BLOCK DIAGRAM



S.No	DESCRIPTION	I2C ADDRESS
1	CURRENT SENSOR 3.3V	100 0100
2	CURRENT SENSOR 1.8V	100 0000
3	CURRENT SENSOR 1.2V	100 0001
4	CURRENT SENSOR 1.0V	100 0101
5	TEMPERATURE SENSOR1	100 1011
6	LP8770 PMIC	
7	EEPROM	1010 0XX

Revision History				
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Number: PROC075	Rev: A	Sheet Title: BLOCK DIAGRAM
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Drawn By:	File: PROC075A Block Diagram.SchDoc	Size: B
Engineer: Faiz Ahmed	Contact: http://www.ti.com/support	

PMIC (1.2V, 1.8V OUTPUTS)

1V24 TO 1V LDO

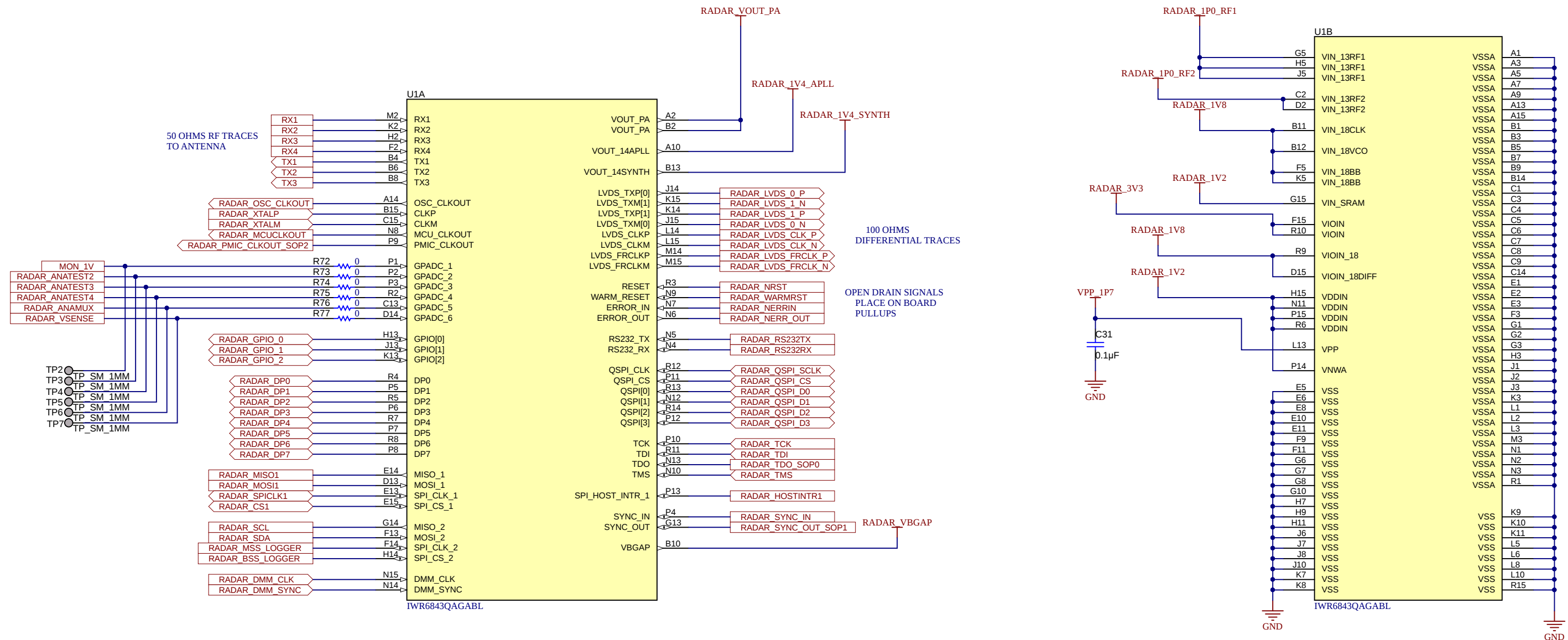
Load switch for delaying 3.3V to IWR6483 module

Current Sense Resistors

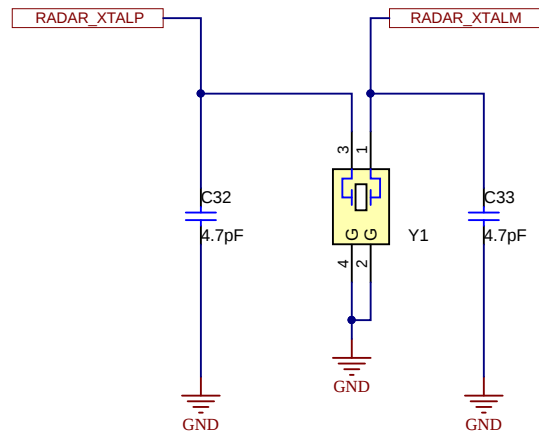
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Engineer: Faiz Ahmed	Contact: http://www.ti.com/support	

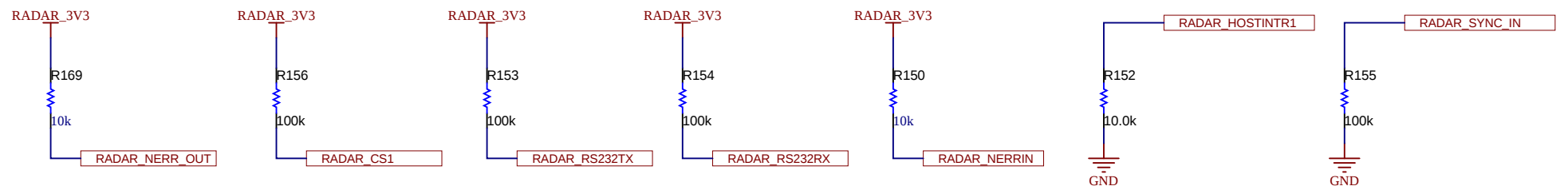
IWR6843 Chip



Crystal Oscillator 40MHz

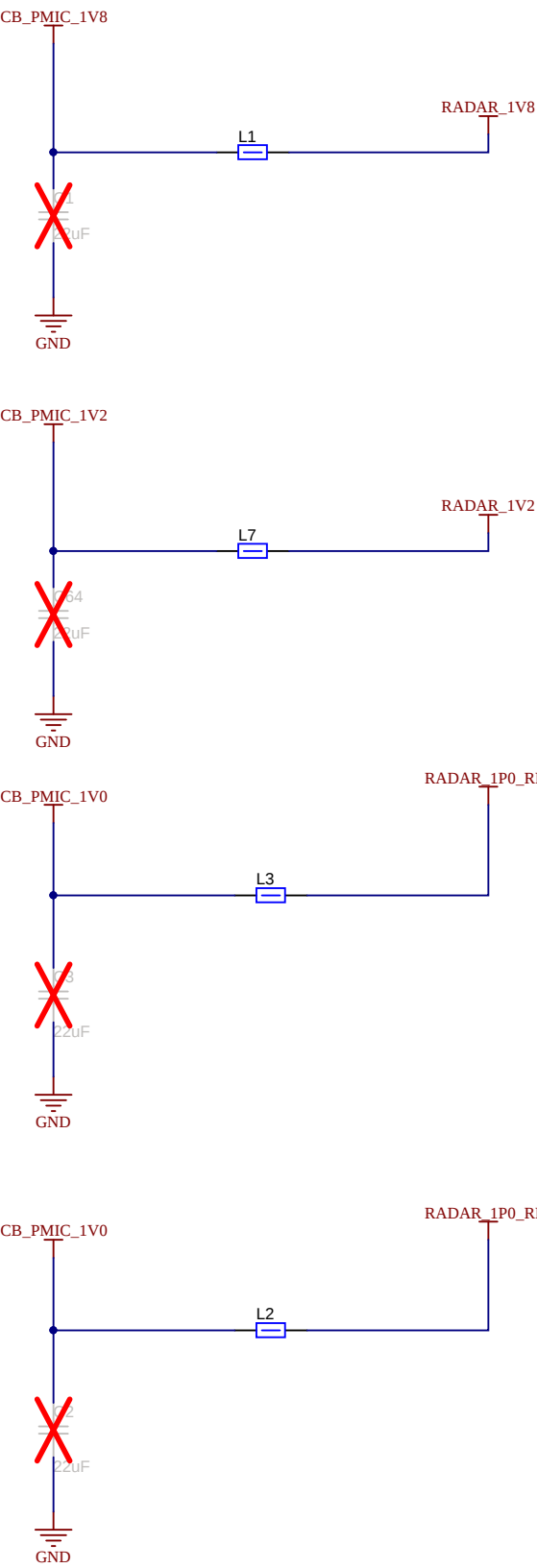
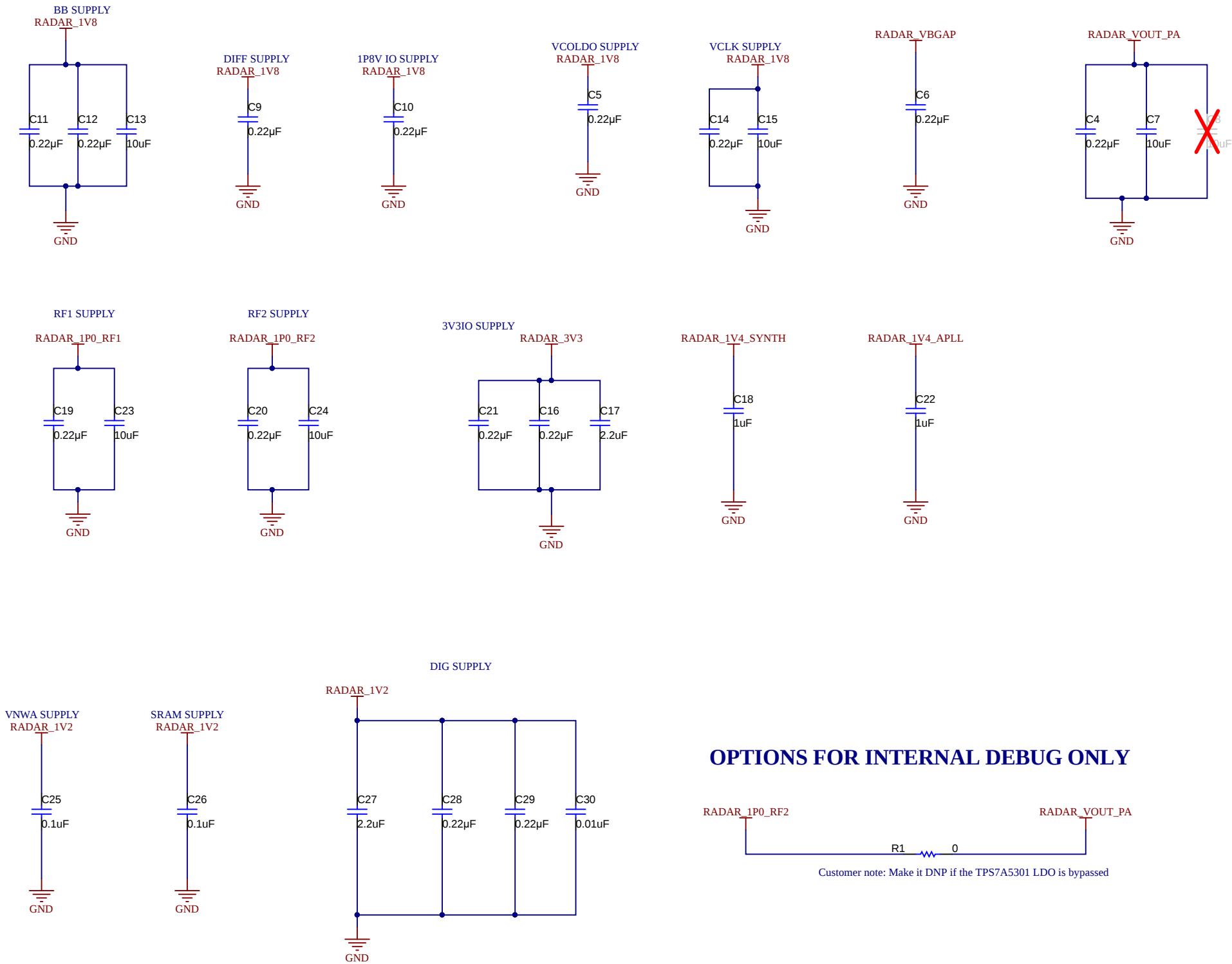


PULL UPs/DOWNs FOR SPI CS1, NERRIN, RS232, SYNC_IN & HOST_INTn



SUPPLY_DECOUPLING_CAPS

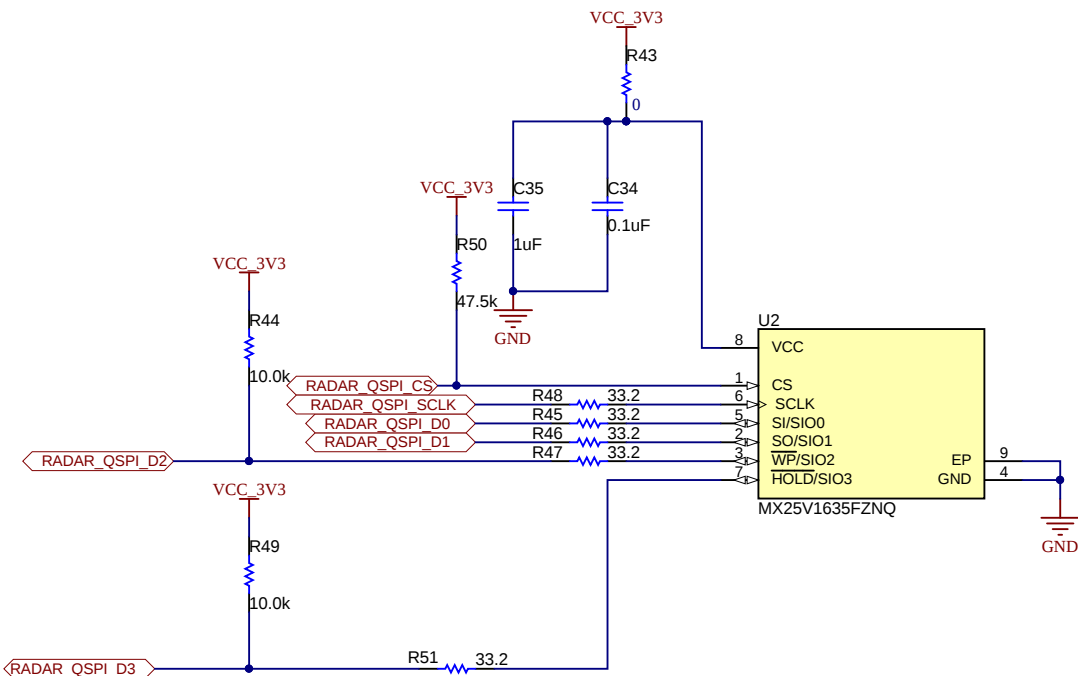
PMIC LC Filters



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TID #: N/A	Project Title: IWR6843ISK (INDUSTRIAL STARTER KIT)	
Number: PROC075	Rev: A	Sheet Title: Decoupling_caps_LC_filters
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QSPI FLASH



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TEXAS
INSTRUMENTS

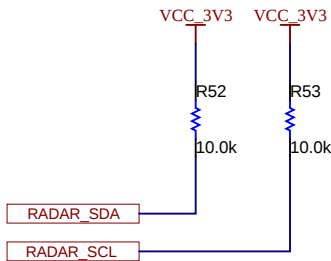
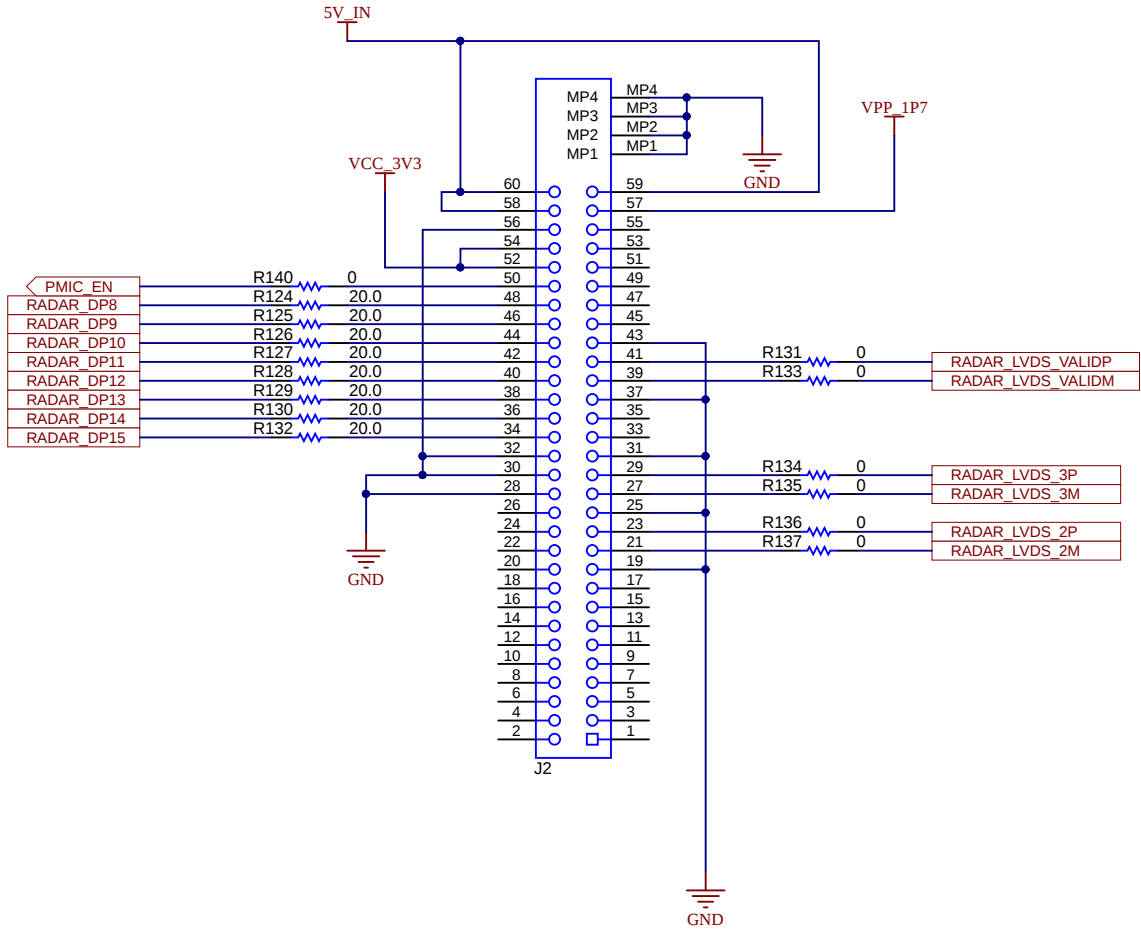
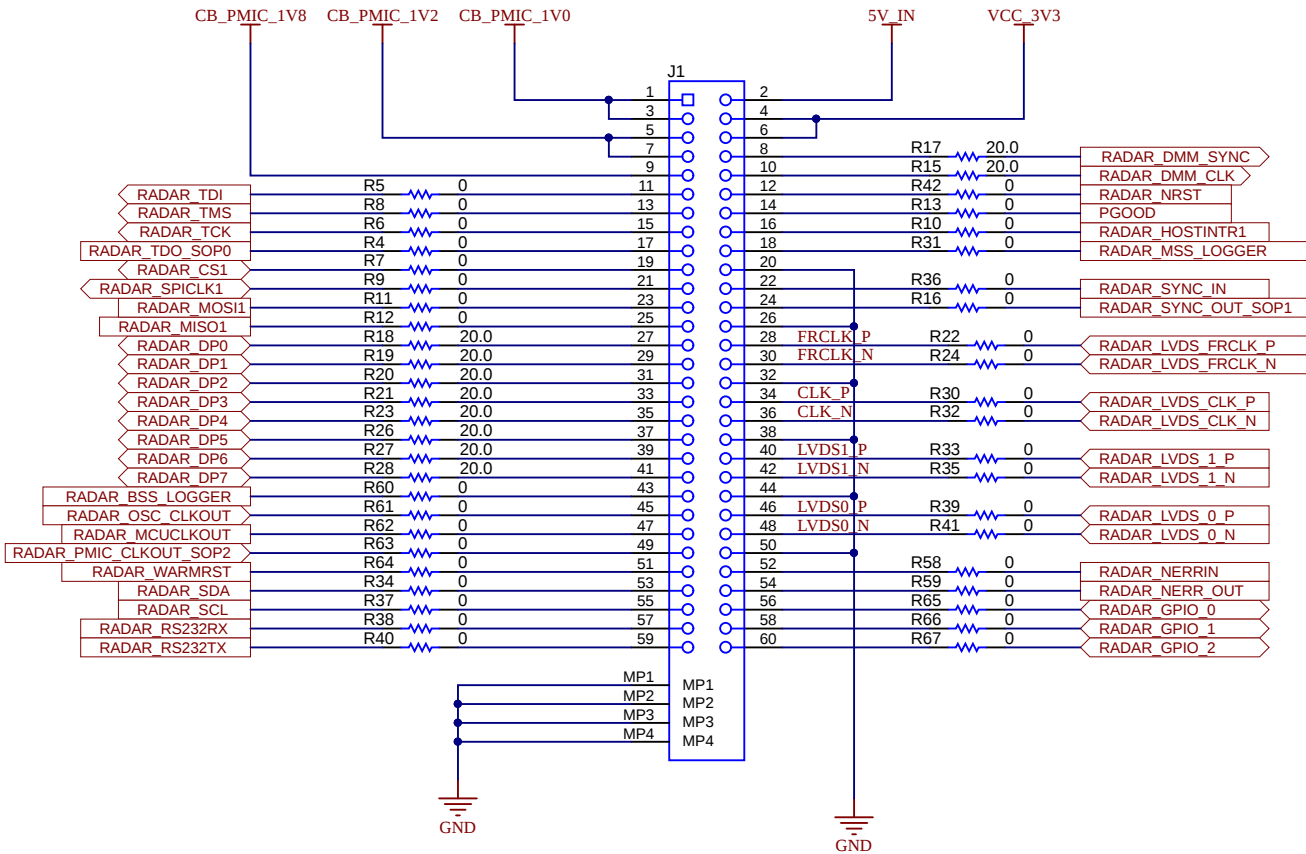
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CONNECTORS

60 PIN HD CONNECTOR

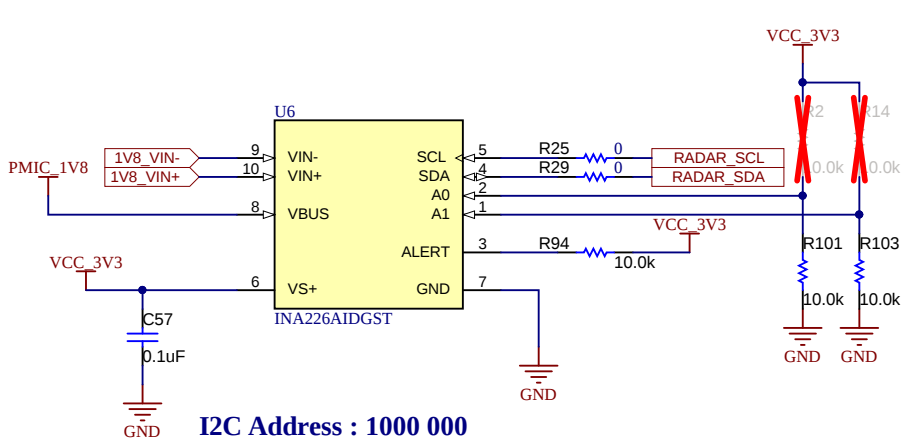
60 PIN HD CONNECTOR FOR xWRxxxx DEVICES COMPATABILITY



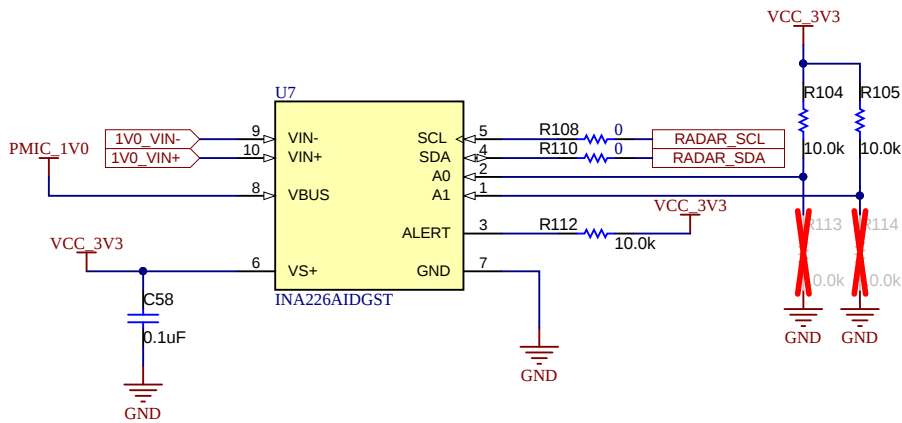
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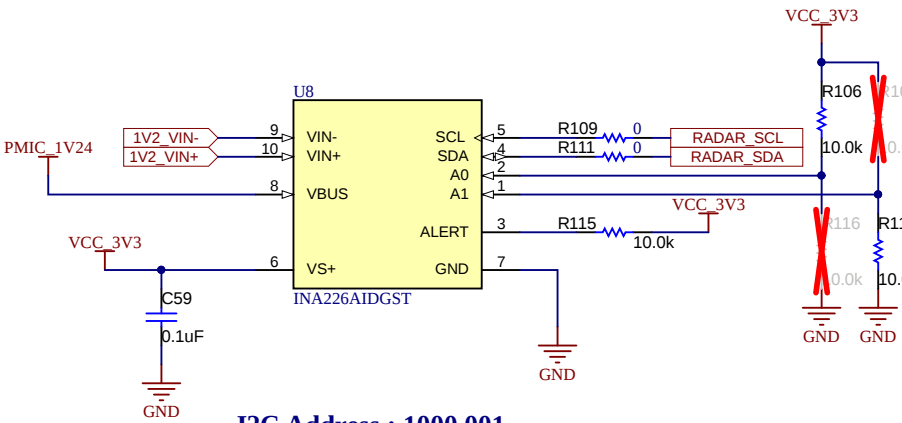
CURRENT SENSOR



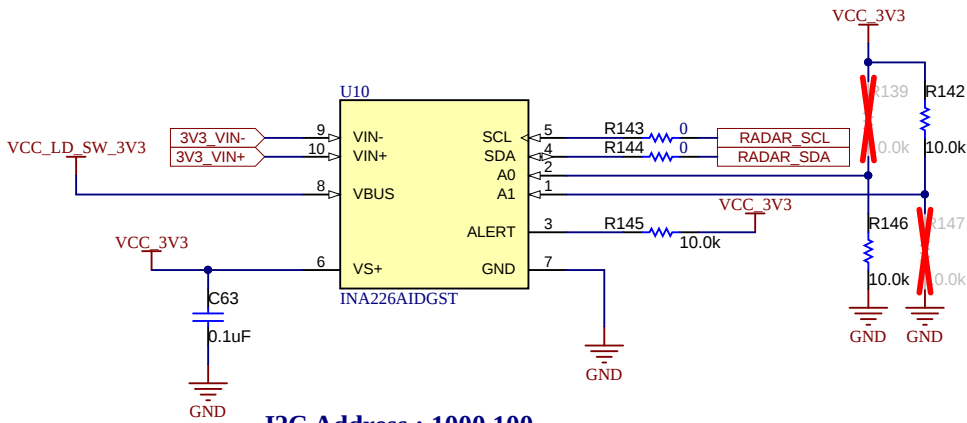
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I2C Address : 1000 101

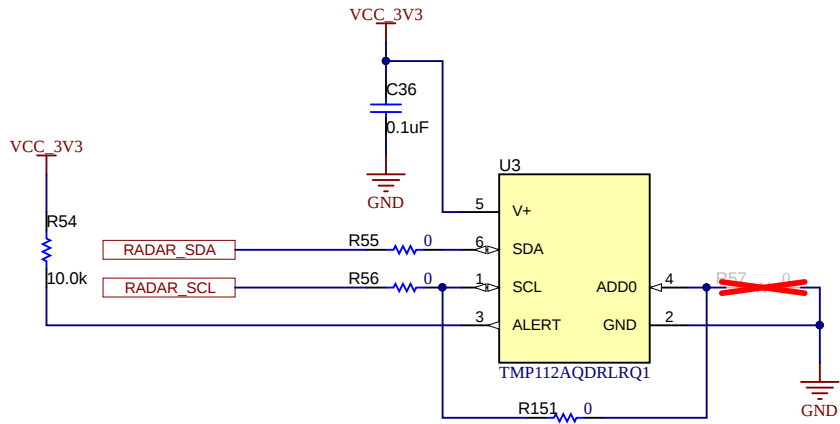


I2C Address : 1000 001



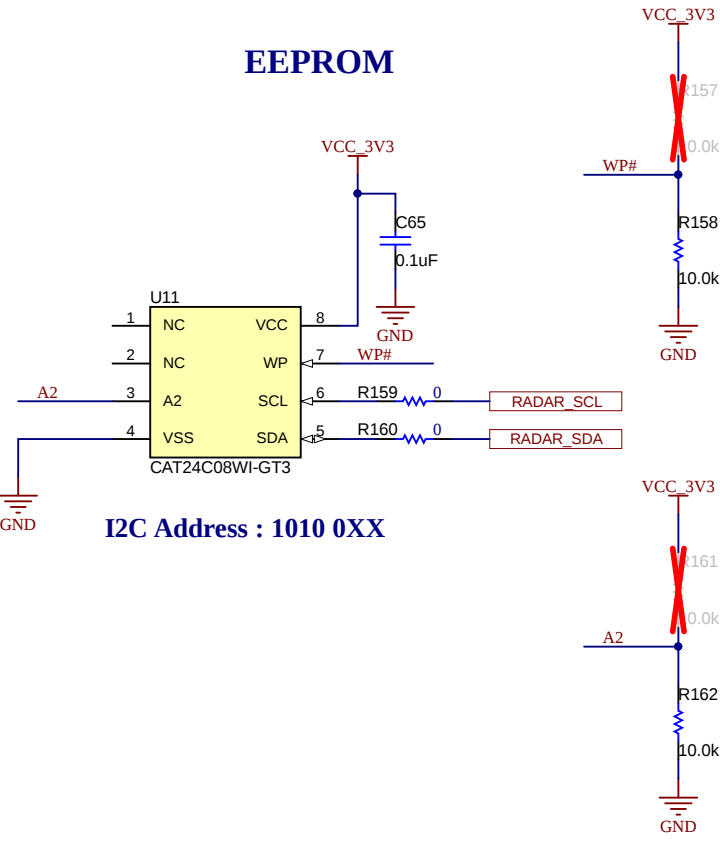
I2C Address : 1000 100

TEMPERATURE SENSOR



I2C Address : 1001 011

EEPROM



I2C Address : 1010 0XX

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SVN Rev: Not in version control	Assembly Variant: 001	Sheet: 8 of 9
Drawn By:	File: PROC075A Temp_current_sensor.SchDoc	Size: B
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