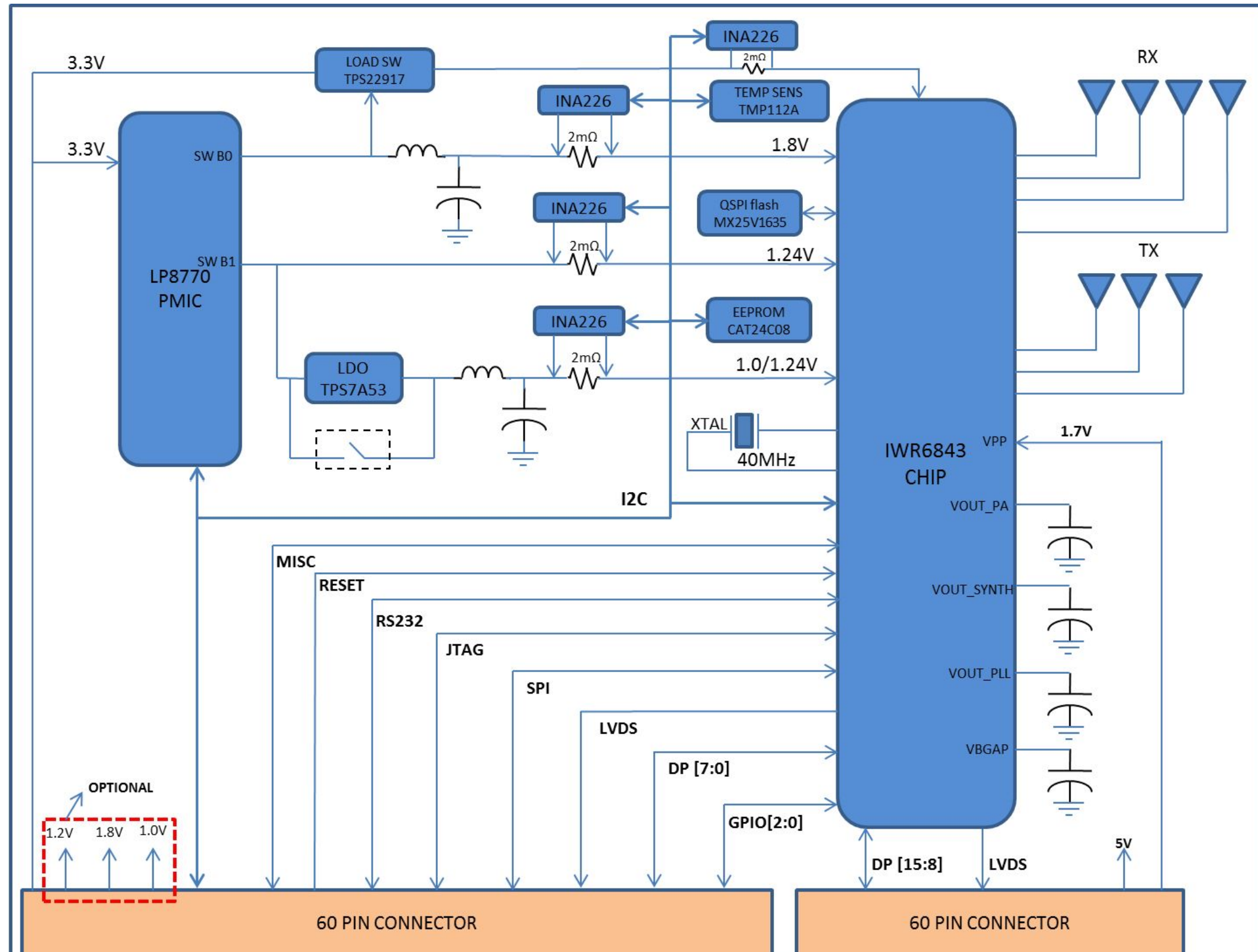


## Revision History

Rev	ECN #	Approved Date	Approved by	Notes
N/A	N/A	N/A	N/A	N/A

## 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	110 0000
7	EEPROM	1010 0XX

1	2	3	4	5	6
A					A
B					B
C					C
D					D

# TABLE OF CONTENTS

SHEET NO.	SHEET NAME
1	Block diagram
2	Table of Contents
3	PMIC
4	IWR6843 Chip
5	Decoupling caps_LC_Filters
6	QSPI Flash
7	60Pin HD Connector
8	Temp_Current_Sensor
9	Hardware

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PMIC (1.2V, 1.8V OUTPUTS)

1V24 TO 1V LDO

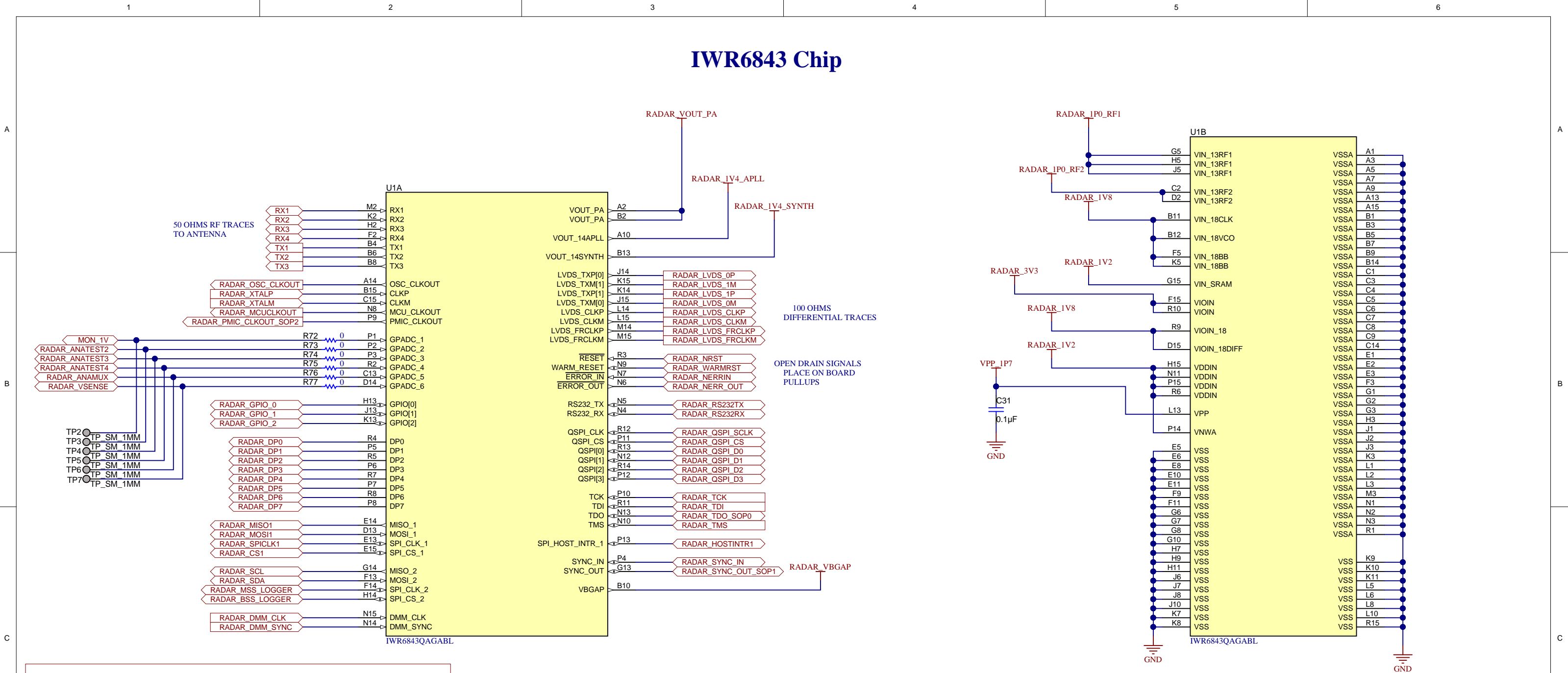
Load switch for delaying 3.3V to IWR6483 module

Current Sense Resistors

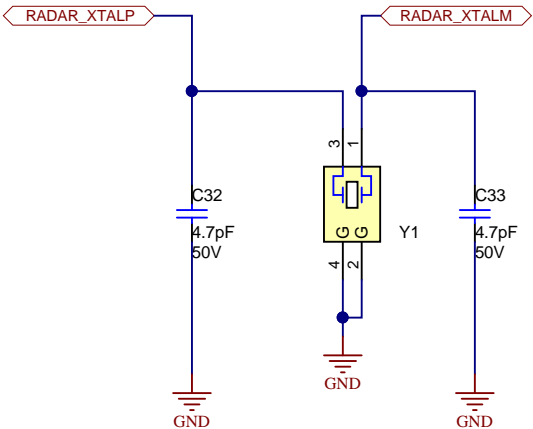
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Orderable: IWR6843ISK	Designed for: Public Release	Mod. Date: 10/12/2018	
TID #: N/A	Project Title: IWR6843ISK(Industrial Starter Kit)		
Number: PROC073	Rev: A	Sheet Title:	
SVN Rev: Version control disabled	Assembly Variant: 001	Sheet: 3 of 9	
Drawn By:	File: PROC073A_PMIC.SchDoc	Size: B	
Engineer: Chethan Kumar Y.B	Contact: http://www.ti.com/support		© Texas Instruments 2018

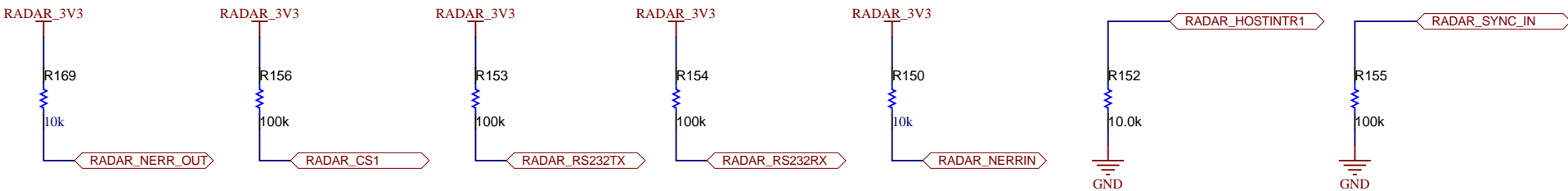
IWR6843 Chip



Crystal Oscillator  
40MHz



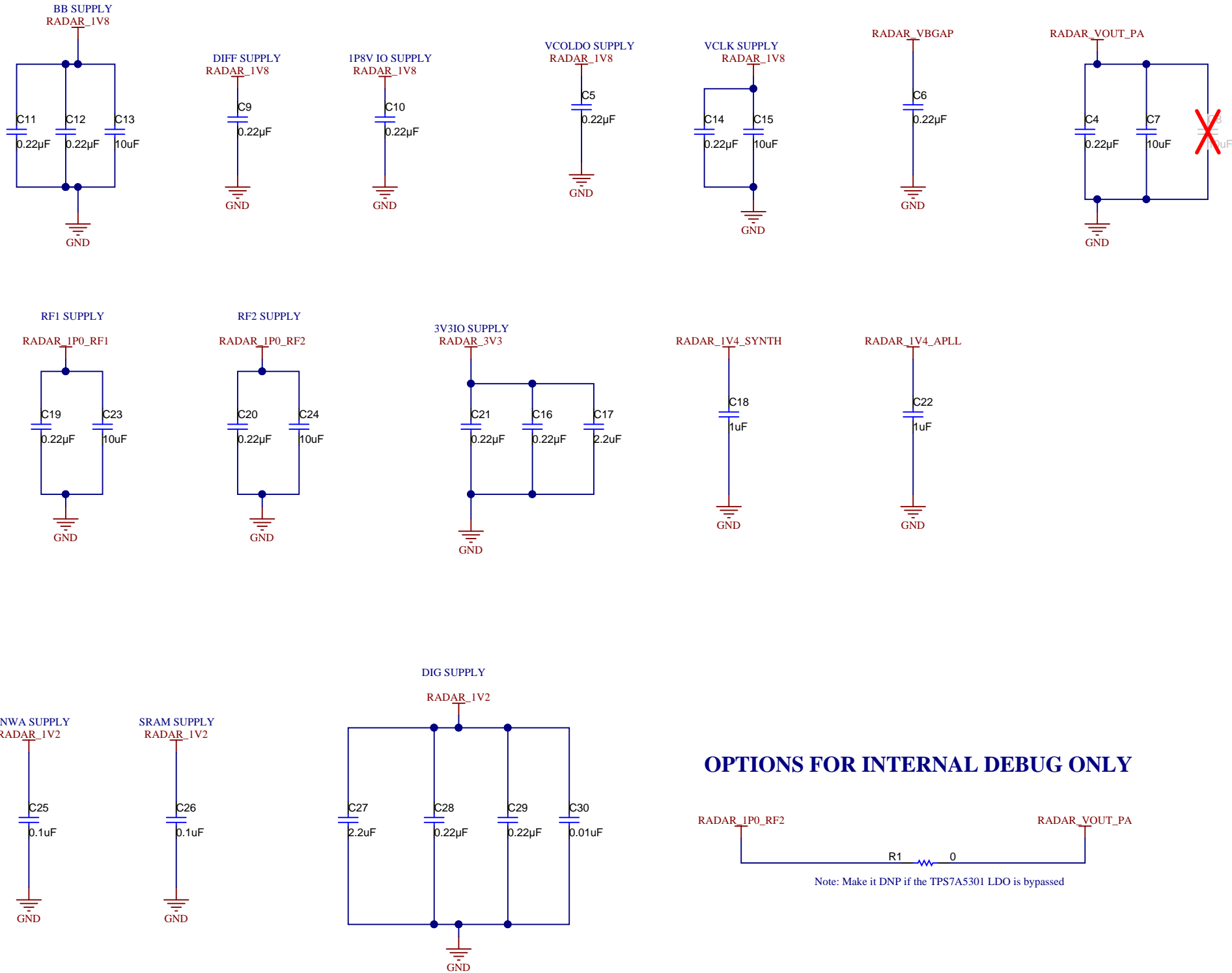
PULL UPS/DOWNS FOR SPI CS1, NERRIN, RS232, SYNC\_IN & HOST\_INTh



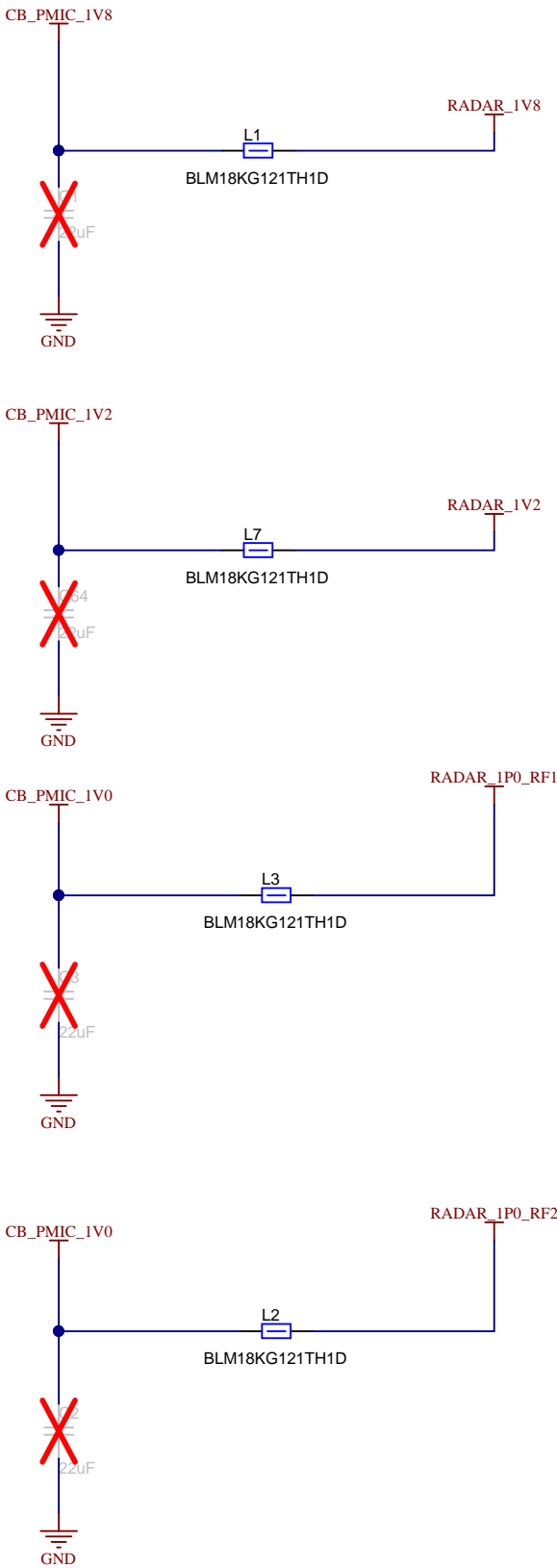
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TID #: N/A	Project Title: IWR6843ISK(Industrial Starter Kit)	
Number: PROC073	Rev: A	Sheet Title:
SVN Rev: Version control disabled	Assembly Variant: 001	Sheet: 4 of 9
Drawn By:	File: PROC073A_IWR6843_Chip.SchDoc	Size: B
Engineer: Chethan Kumar Y.B	Contact: http://www.ti.com/support	

SUPPLY\_DECOUPLING\_CAPS



PMIC LC Filters

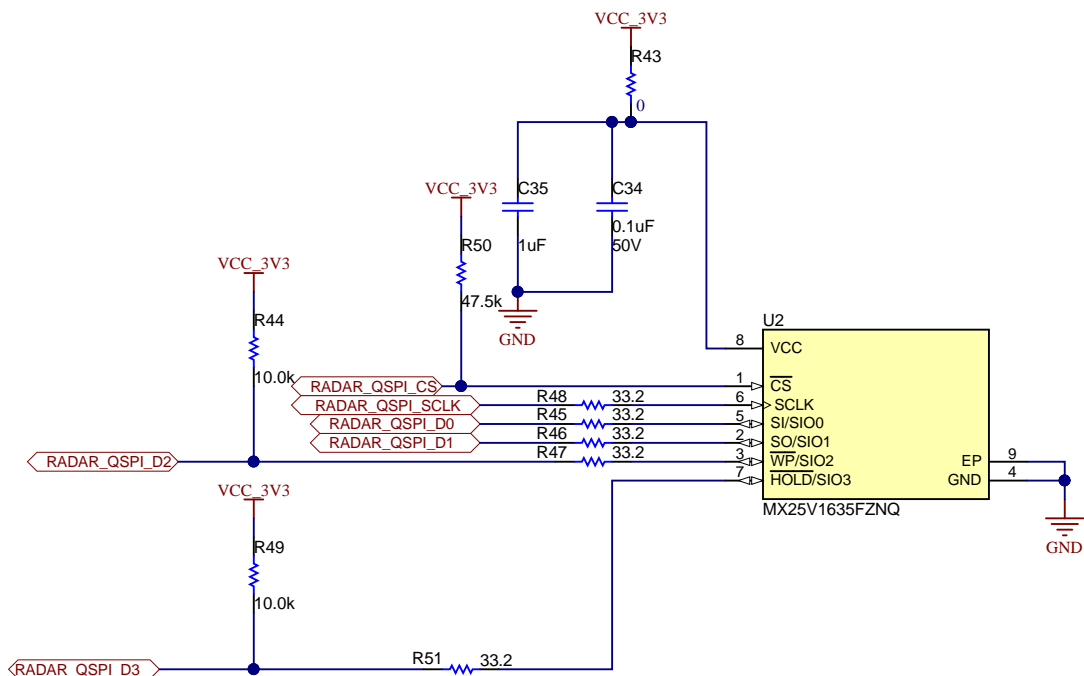


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TID #: N/A	Project Title: IWR6843ISK(Industrial Starter Kit)	
Number: PROC073	Rev: A	Sheet Title:
SVN Rev: Version control disabled	Assembly Variant: 001	Sheet: 5 of 9
Drawn By:	File: PROC073A_Decoupling_caps.SchDoc	Size: B
Engineer: Chethan Kumar Y.B	Contact: <a href="http://www.ti.com/support">http://www.ti.com/support</a>	



QSPI FLASH



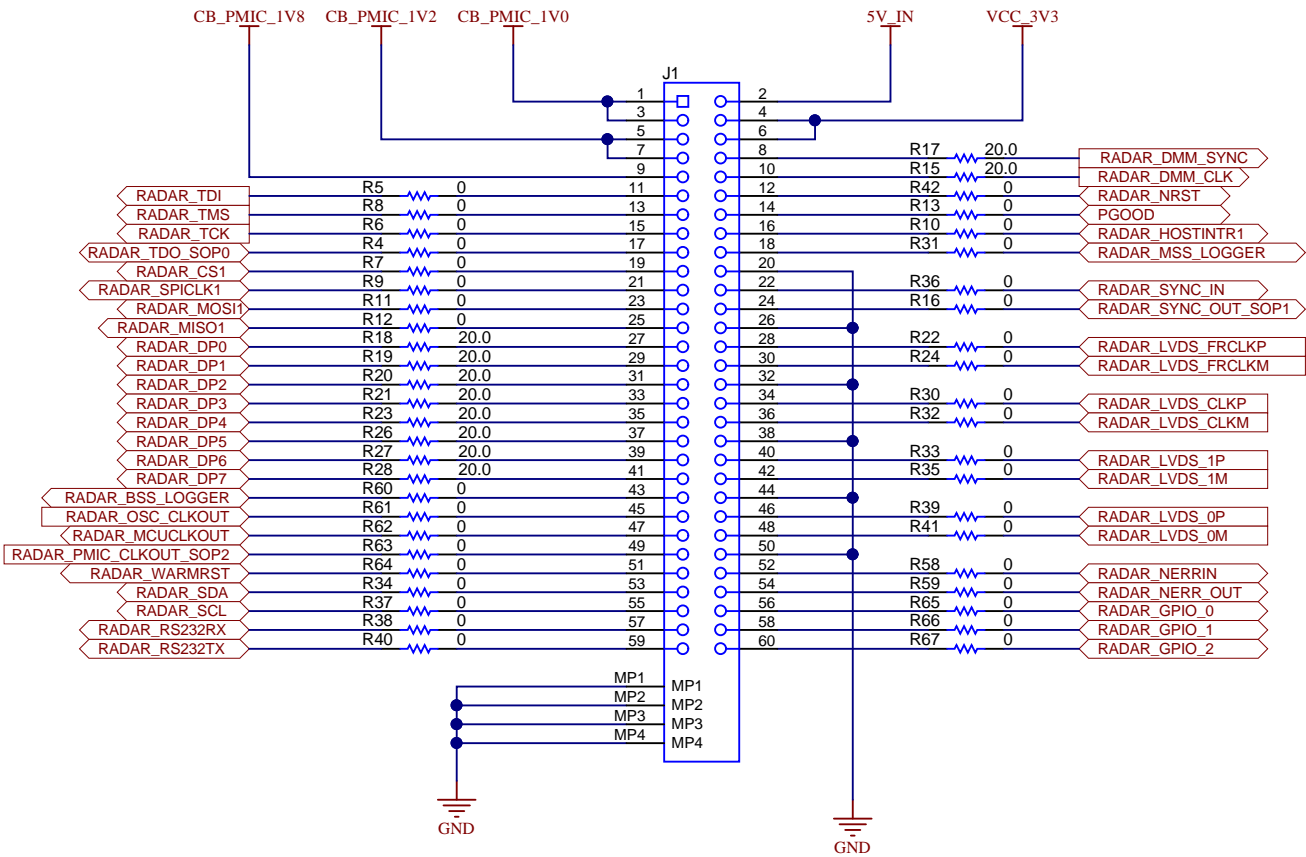
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Orderable: IWR6843ISK	Designed for: Public Release	Mod. Date: 10/12/2018
TID #: N/A	Project Title: IWR6843ISK(Industrial Starter Kit)	
Number: PROC073	Rev: A	Sheet Title:
SVN Rev: Version control disabled	Assembly Variant: 001	Sheet: 6 of 9
Drawn By:	File: PROC073A_QSPI_Flash_section.SchDoc	Size: B
Engineer: Chethan Kumar Y.B	Contact: http://www.ti.com/support	http://www.ti.com
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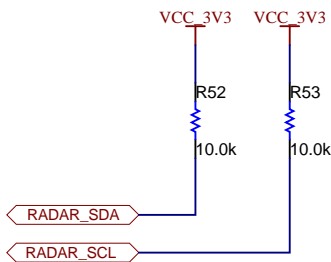
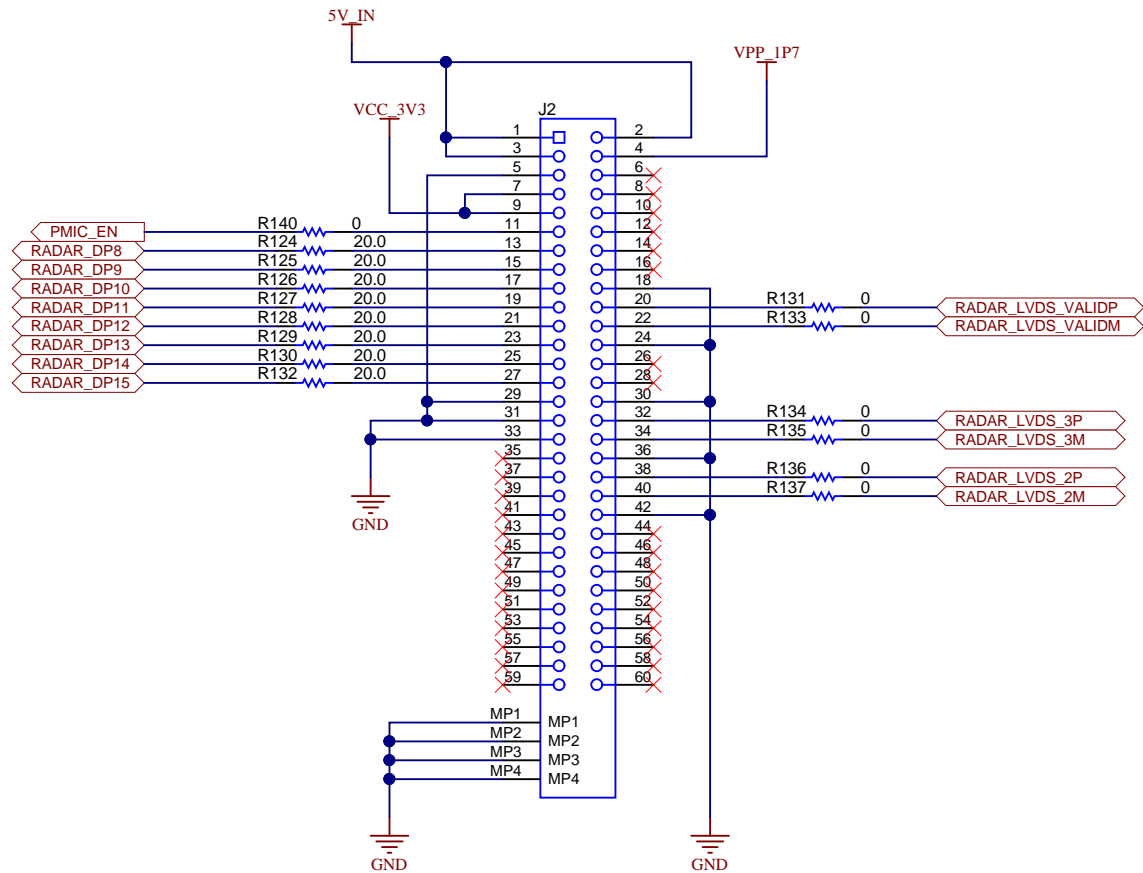


CONNECTORS

60 PIN HD CONNECTOR

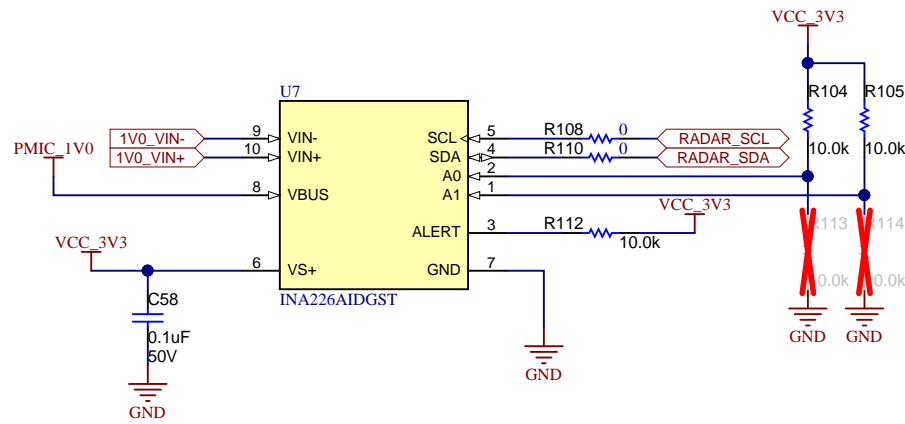
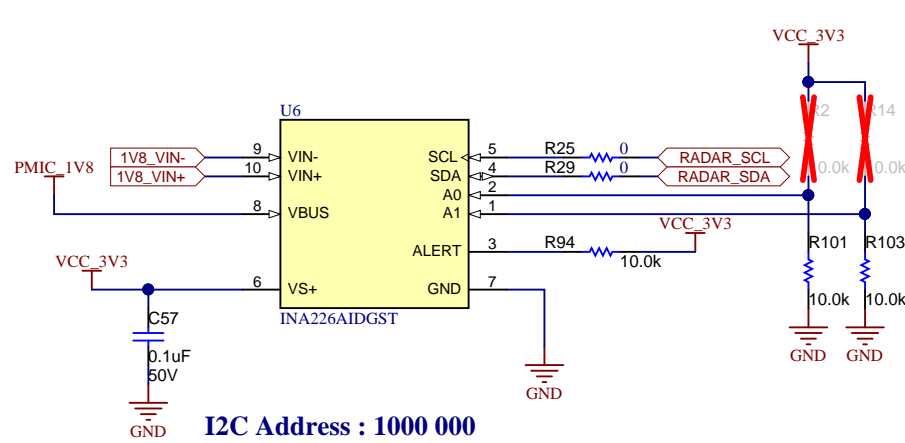


60 PIN HD CONNECTOR FOR xWRxxxx DEVICES COMPATABILITY

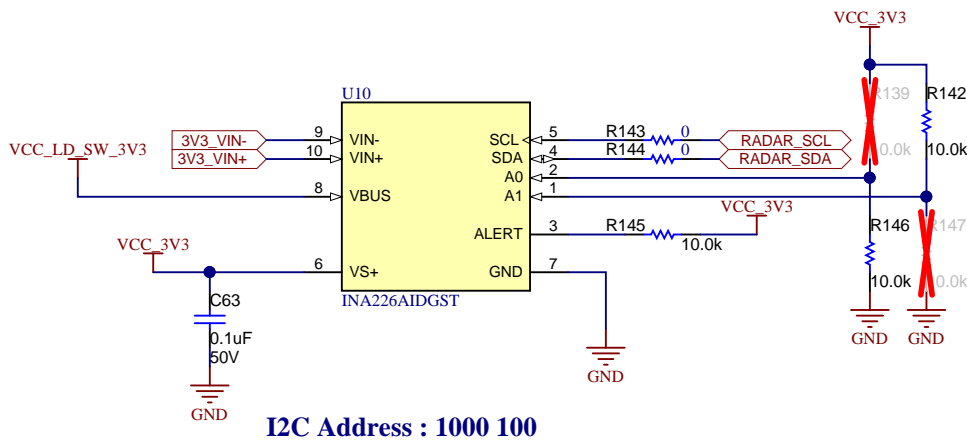
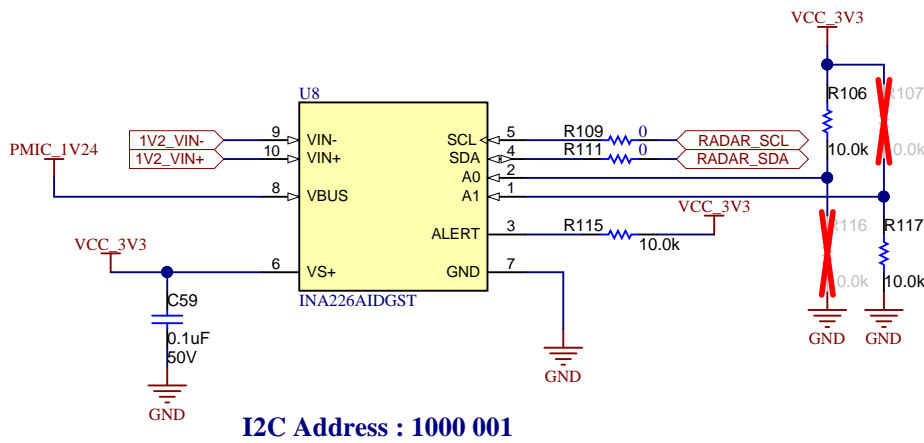
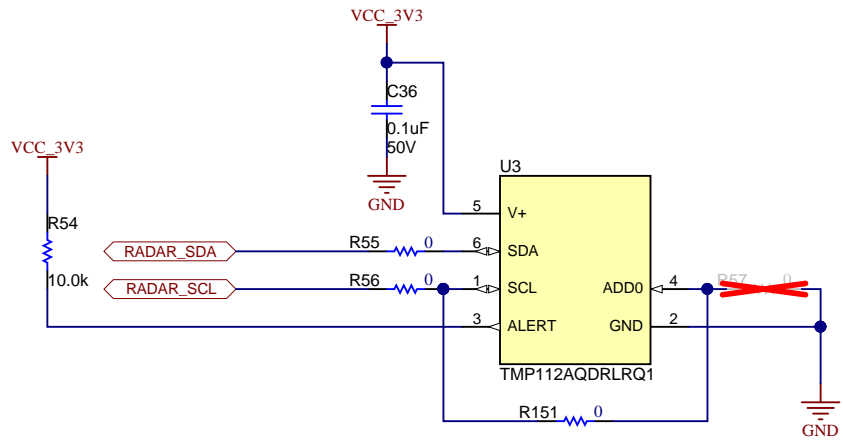




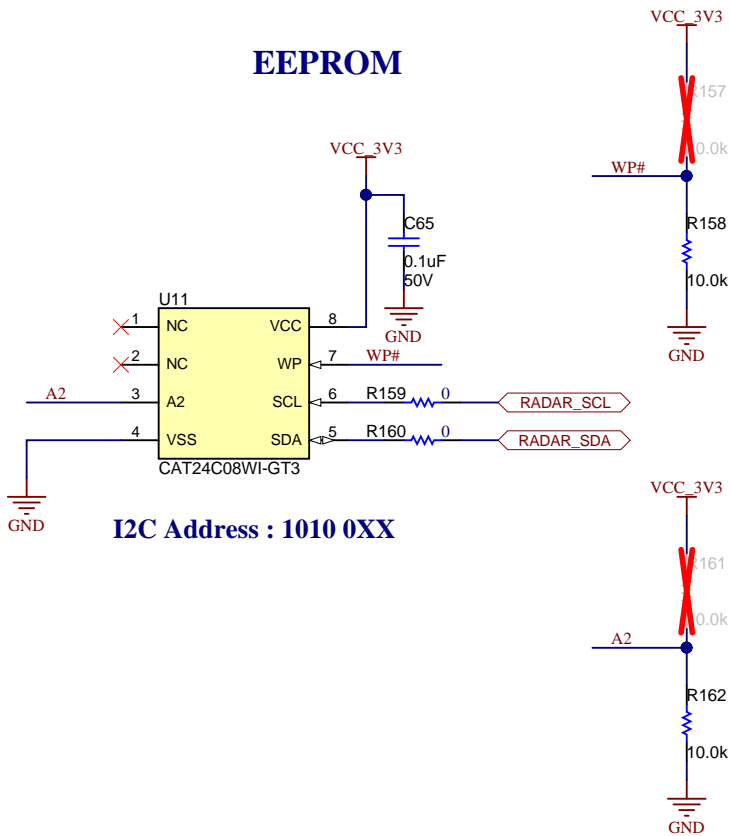
## CURRENT SENSOR



## TEMPERATURE SENSOR



## EEPROM







PCB Number: PROC073  
PCB Rev: A

PCB  
LOGO  
Texas Instruments



PCB  
LOGO  
FCC disclaimer

PCB  
LOGO  
WEEE logo

PCB  
LOGO  
Texas Instruments

Variant/Label Table

Variant	Label Text
001	IWR6843ISK

LBL1  
PCB Label  
THT-14-423-10  
Size: 0.65" x 0.20 "

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.

HW Assembly Instructions  
1.Mount the optional nuts,screws and washers to mate with MMWAVEICBOOST

Orderable: IWR6843ISK	Designed for: Public Release	Mod. Date: 10/12/2018
TID #: N/A	Project Title: IWR6843ISK(Industrial Starter Kit)	
Number: PROC073	Rev: A	Sheet Title:
SVN Rev: Version control disabled	Assembly Variant: 001	Sheet: 9 of 9
Drawn By:	File: PROC073A_EVM_Hardware.SchDoc	Size: B
Engineer: Chethan Kumar Y.B	Contact: http://www.ti.com/support	

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