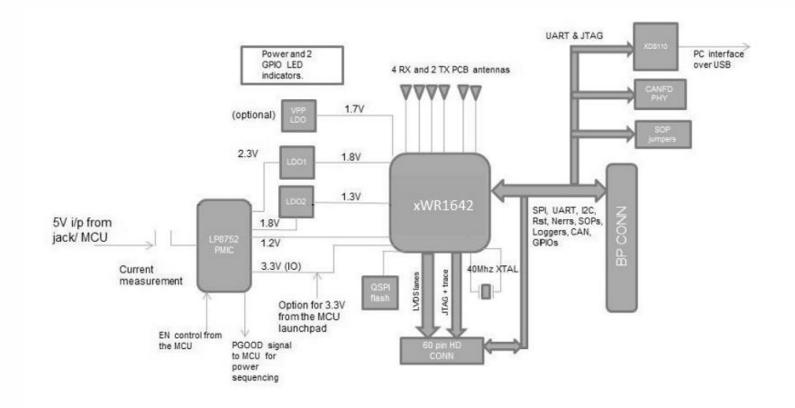
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	Revision History				
Rev	ECN#	Approved Date	Approved by	Notes	
В	1	22/01/2018	Vivek dham	ADDED SWITCH CONTROL TO MOVE between SPI and CAN interface	
В	2	22/01/2018	Vivek dham	Enabled by default the 5V supply from the 60pin HD connector.	
В	3	22/01/2018	Vivek dham	Enabled by default the SYNC_IN signal connection to J6 connector	
В	4	22/01/2018	Vivek dham	Serial flash part number updated to MX25V1635FZNQ	
В	5	22/01/2018	Vivek dham	Added series resisters on I2C lines.	
В	6	13/02/2018	Vivek dham	Removed the series diode on the NRST signal.	
В	7	23/02/2018	J Quintal	added Variant 002, U2, PCB Label, revised AWR1642 to xWR1642	

BLOCK DIAGRAM

xWR1642BOOST-ODS TABLE OF CONTENTS

SHEET NO.	SHEET NAME	
1	PROC049B_COVERSHEET	
2	PROC049B_DUT	
3	PROC049B_Decoupling caps	
4	PROC049B_LDO_01 (1.8V Output)	
5	PROC049B_LDO_02 (1.3V Output)	
6	PROC049B_VPP_Supply	
7	PROC049B_Pwr_RST_LEDs	
8	PROC049B_PMIC	
9	PROC049B_QSPI flash section	
10	0 PROC049B_LP Connector	
11	PROC049B_HD Connector	
12	PROC049B_XDS110 Interface_1A	
13	PROC049B_XDS110 Interface_1B	
14	14 PROC049B_CAN Interface	
15	15 PROC049B_SOP selection	
16		
17	PROC049B_Hardware	



 Orderable:
 AWR1642BOOST-ODS

 TID #:
 N/A

 Number:
 PROC049
 Rev:
 B
 Designed for: Public Release Project Title: xWR1642BOOST-ODS Sheet Title: COVERSHEET SVN Rev: Not in version control Assembly Variant: 001

File: PROC049B_COVERSHEET.SchDoc

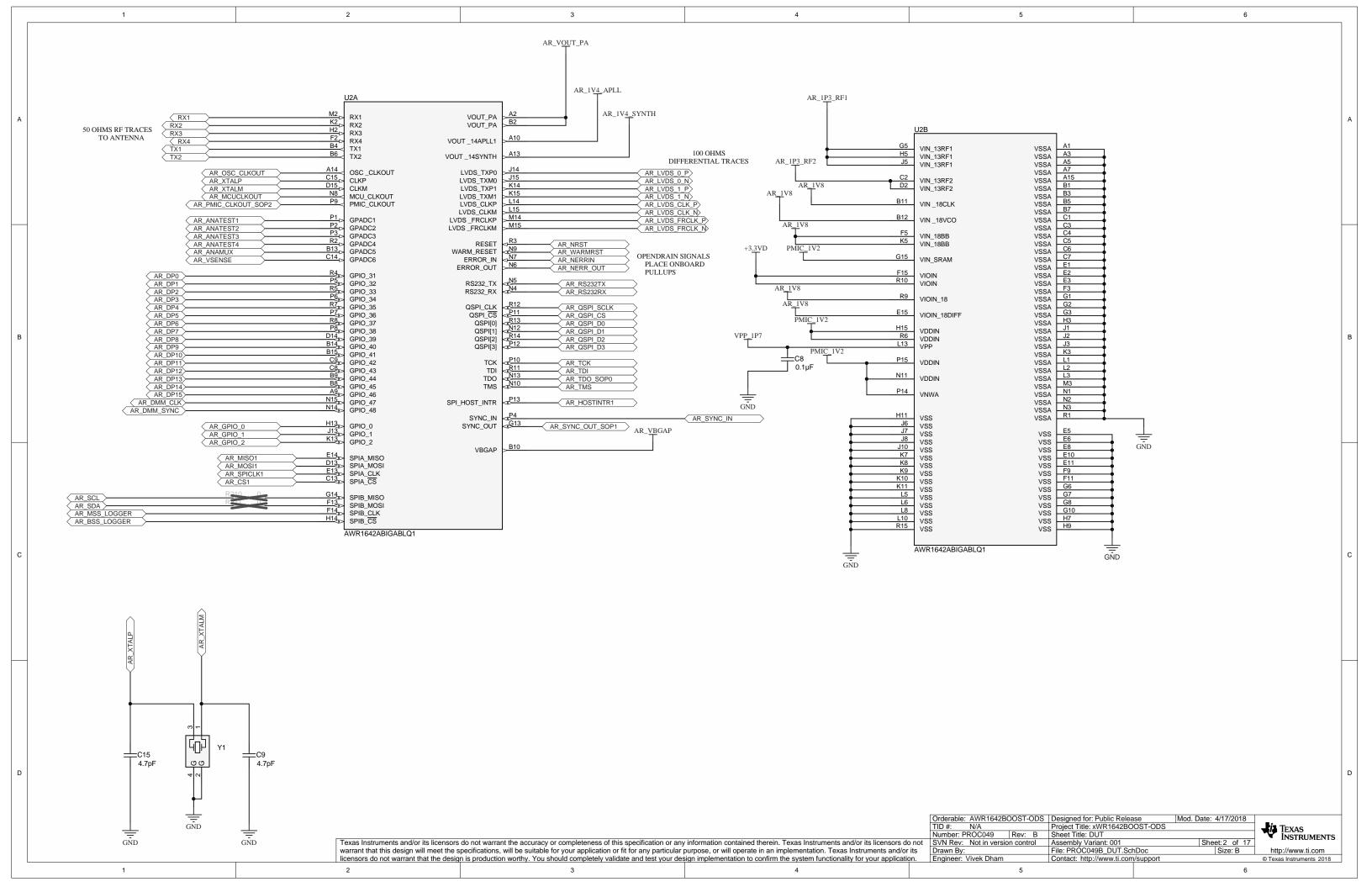
Contact: http://www.ti.com/support

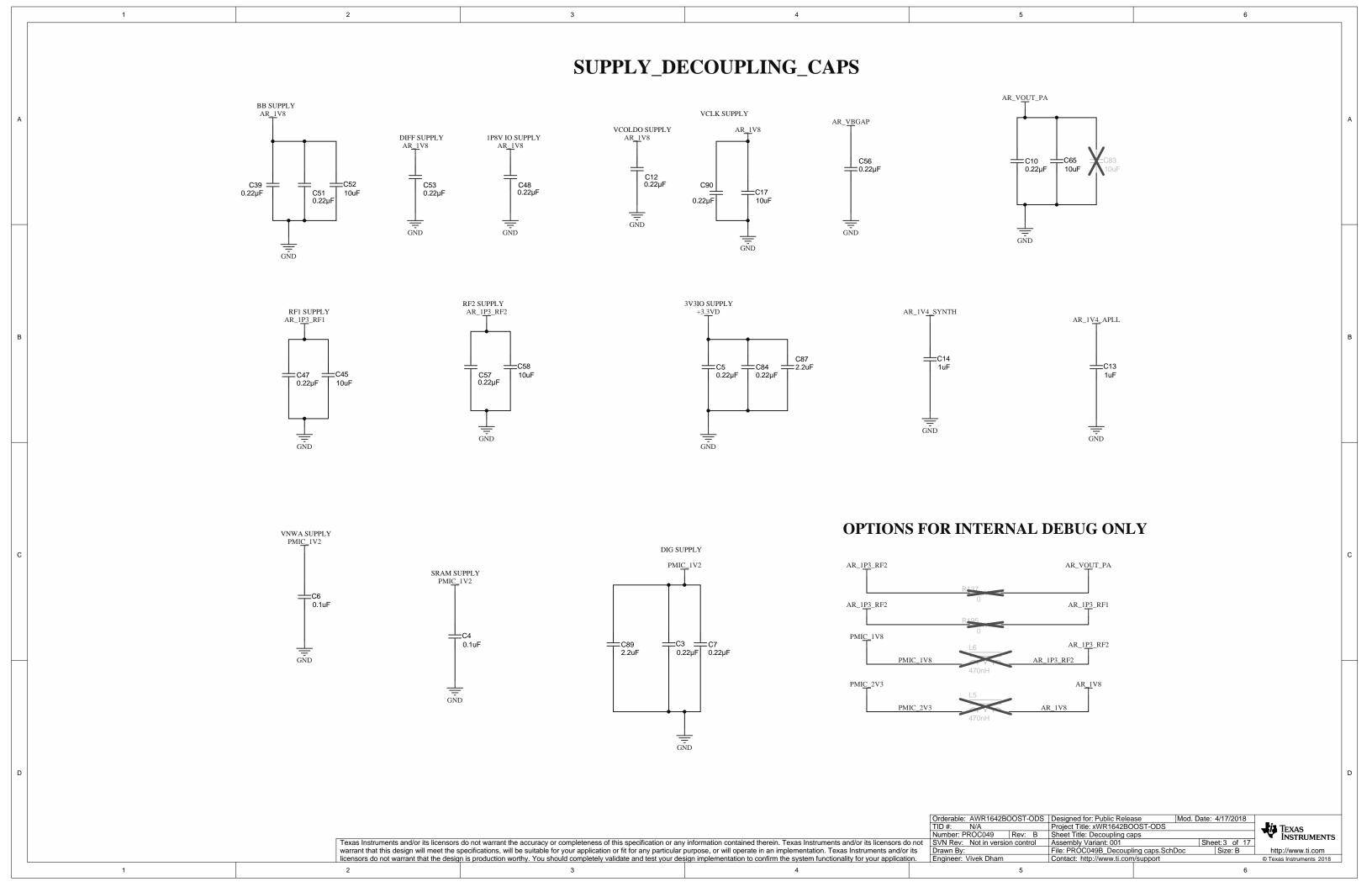
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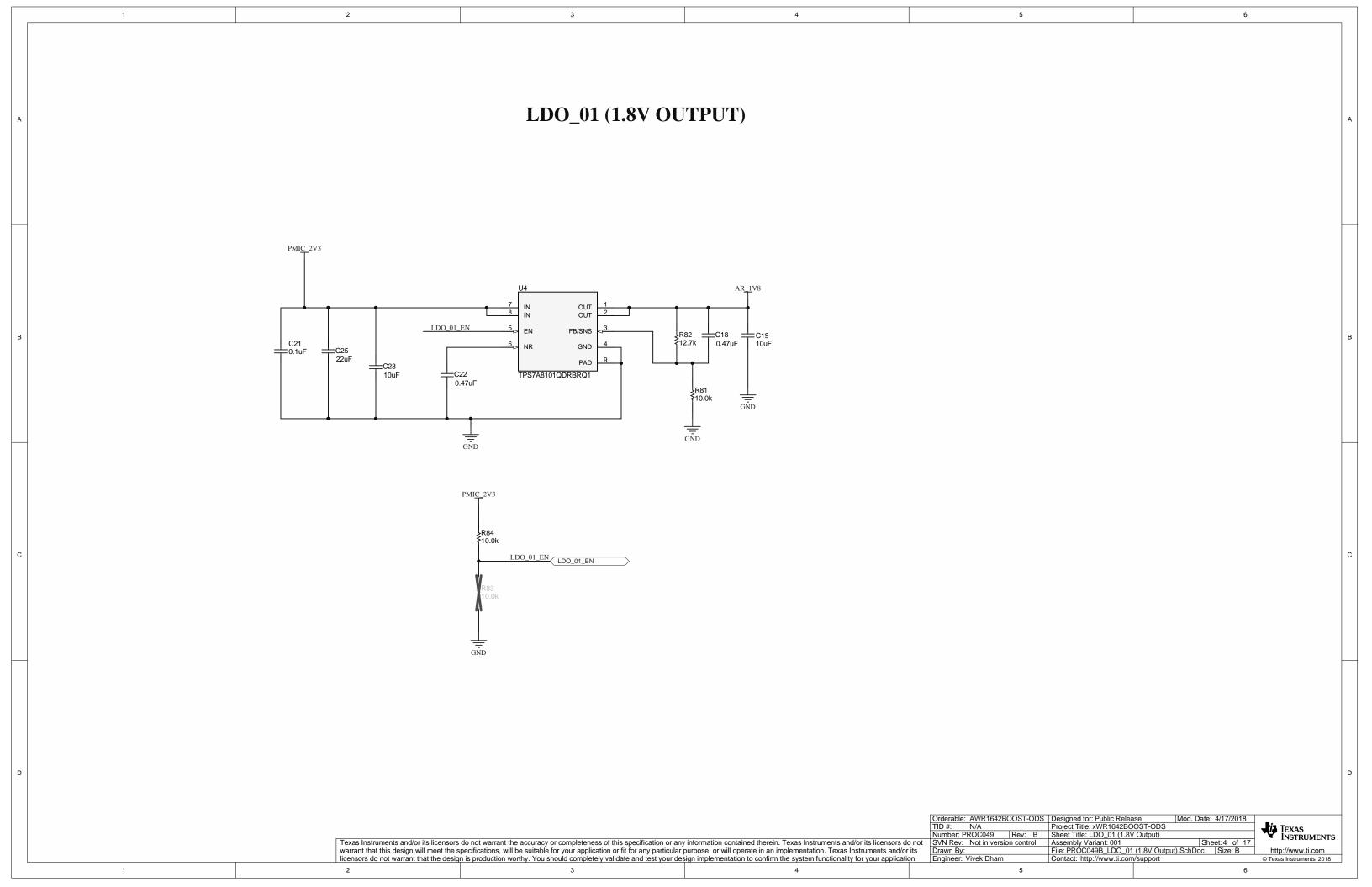
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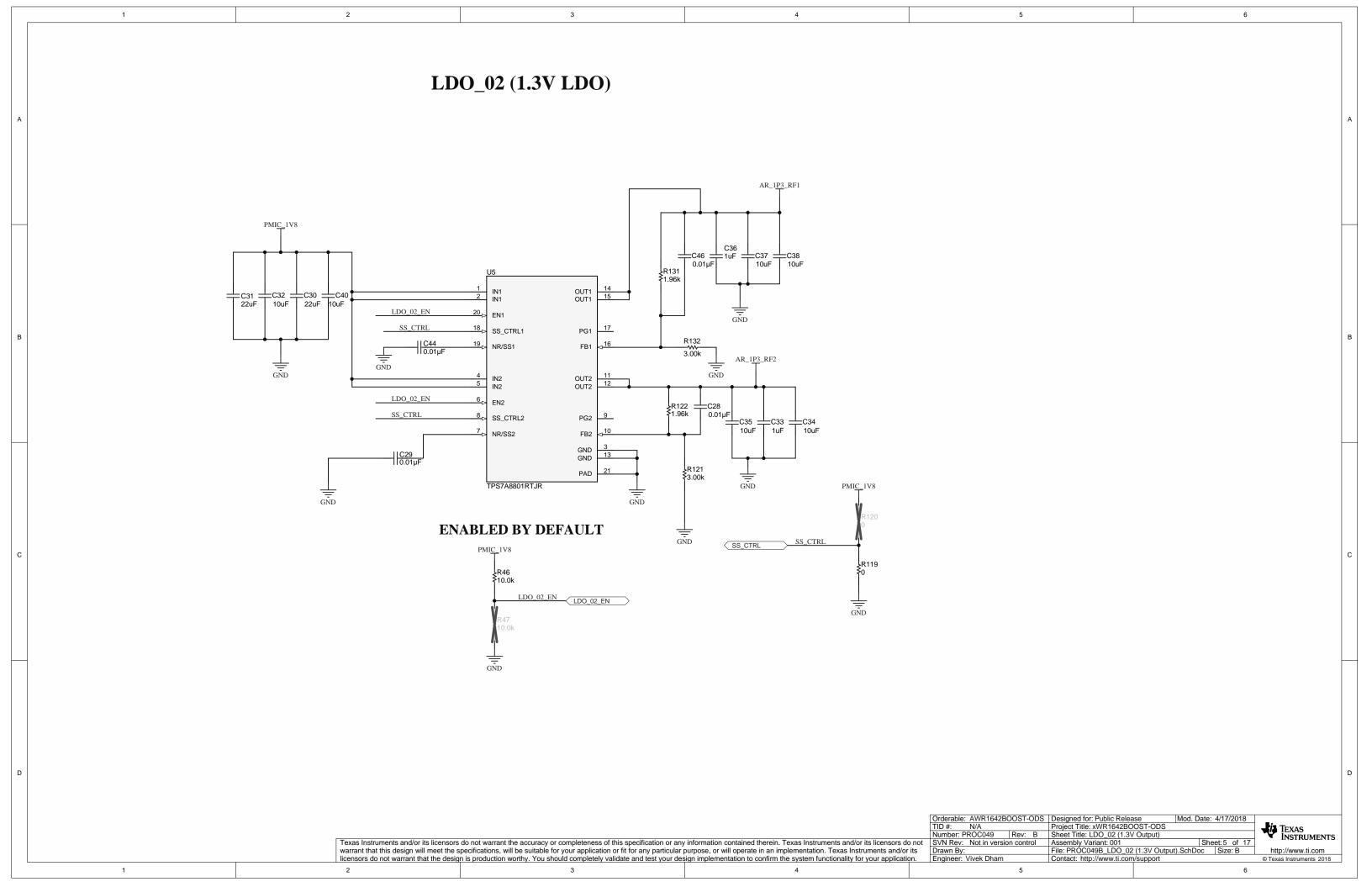
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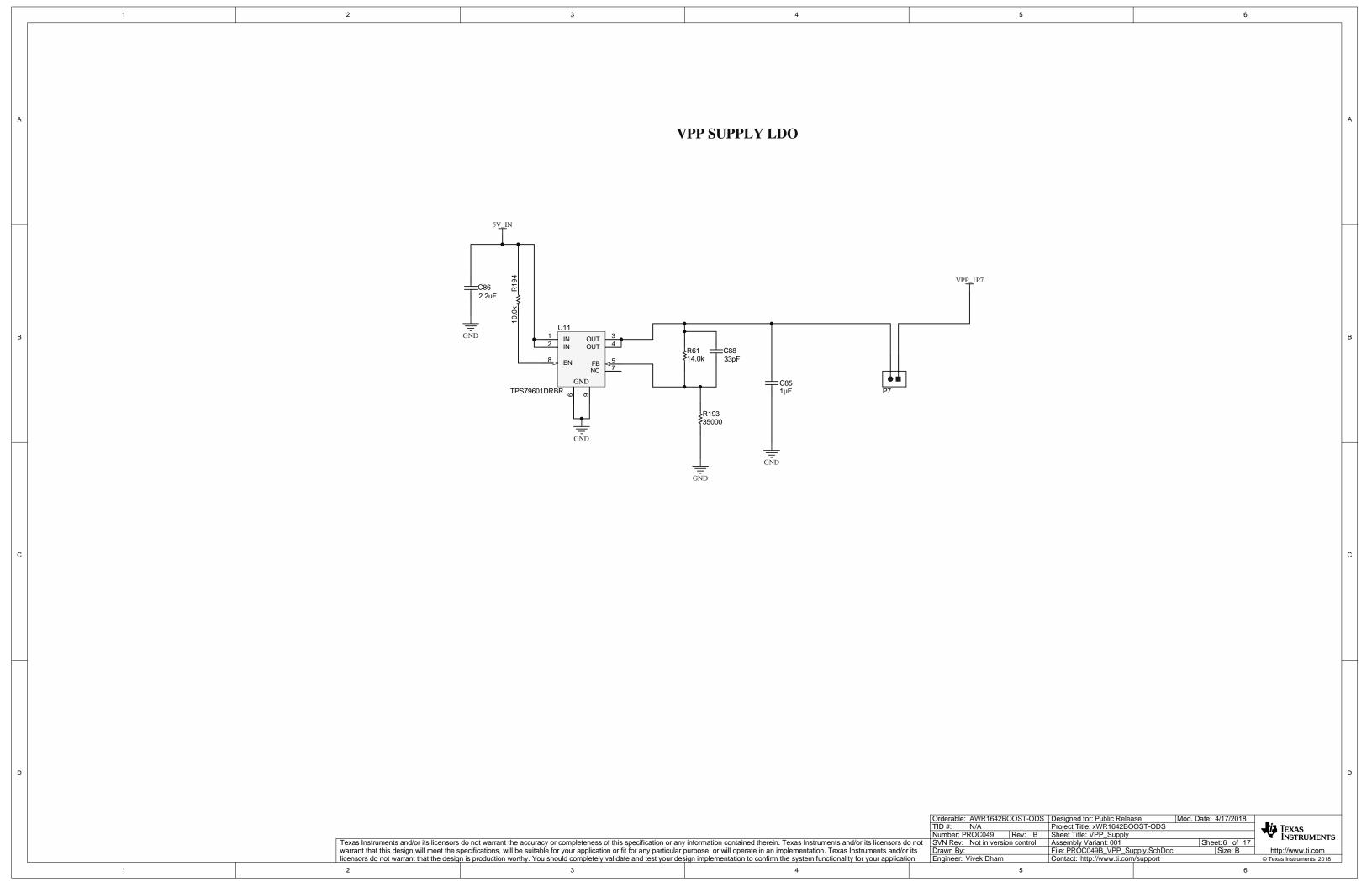
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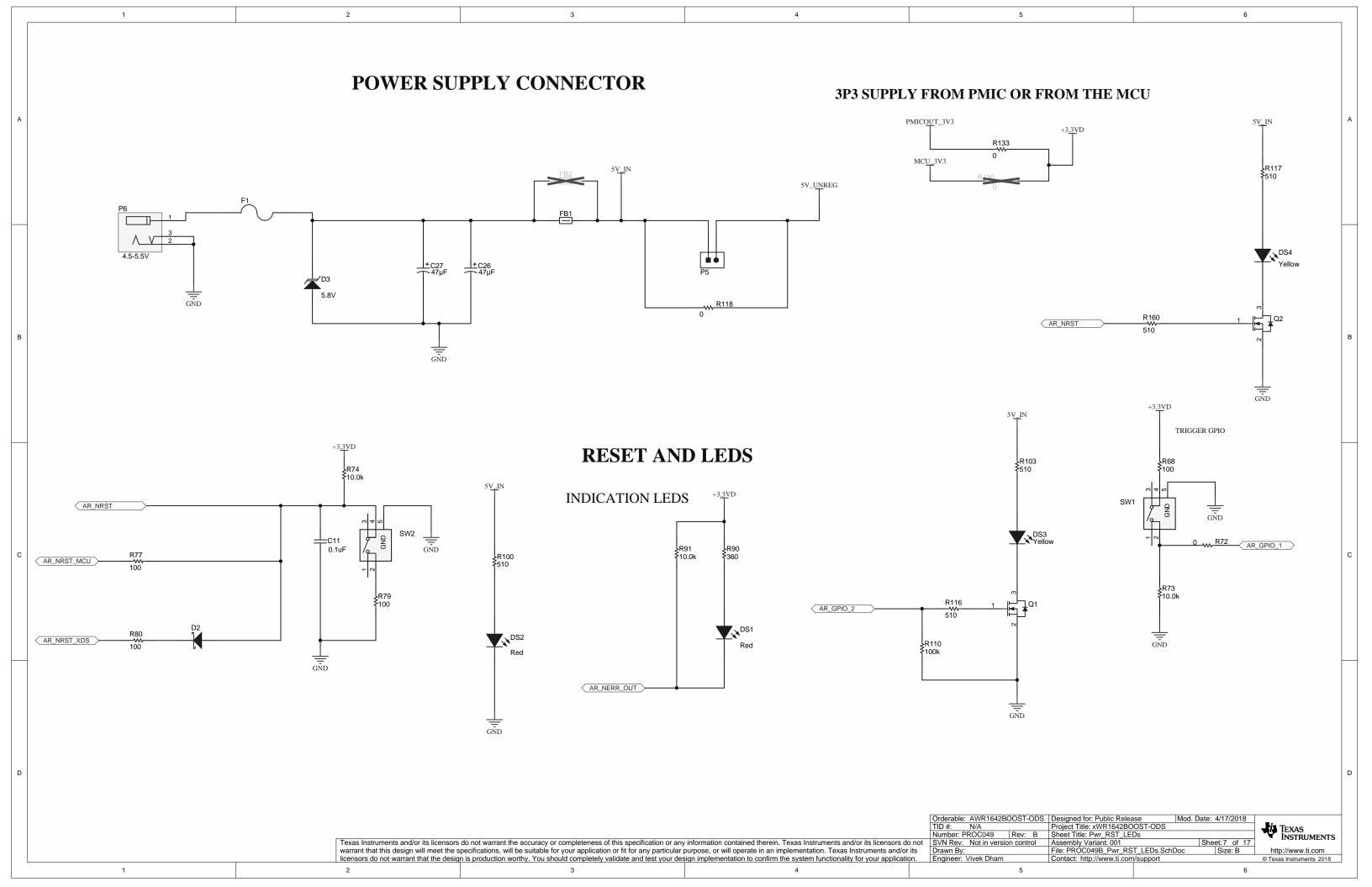


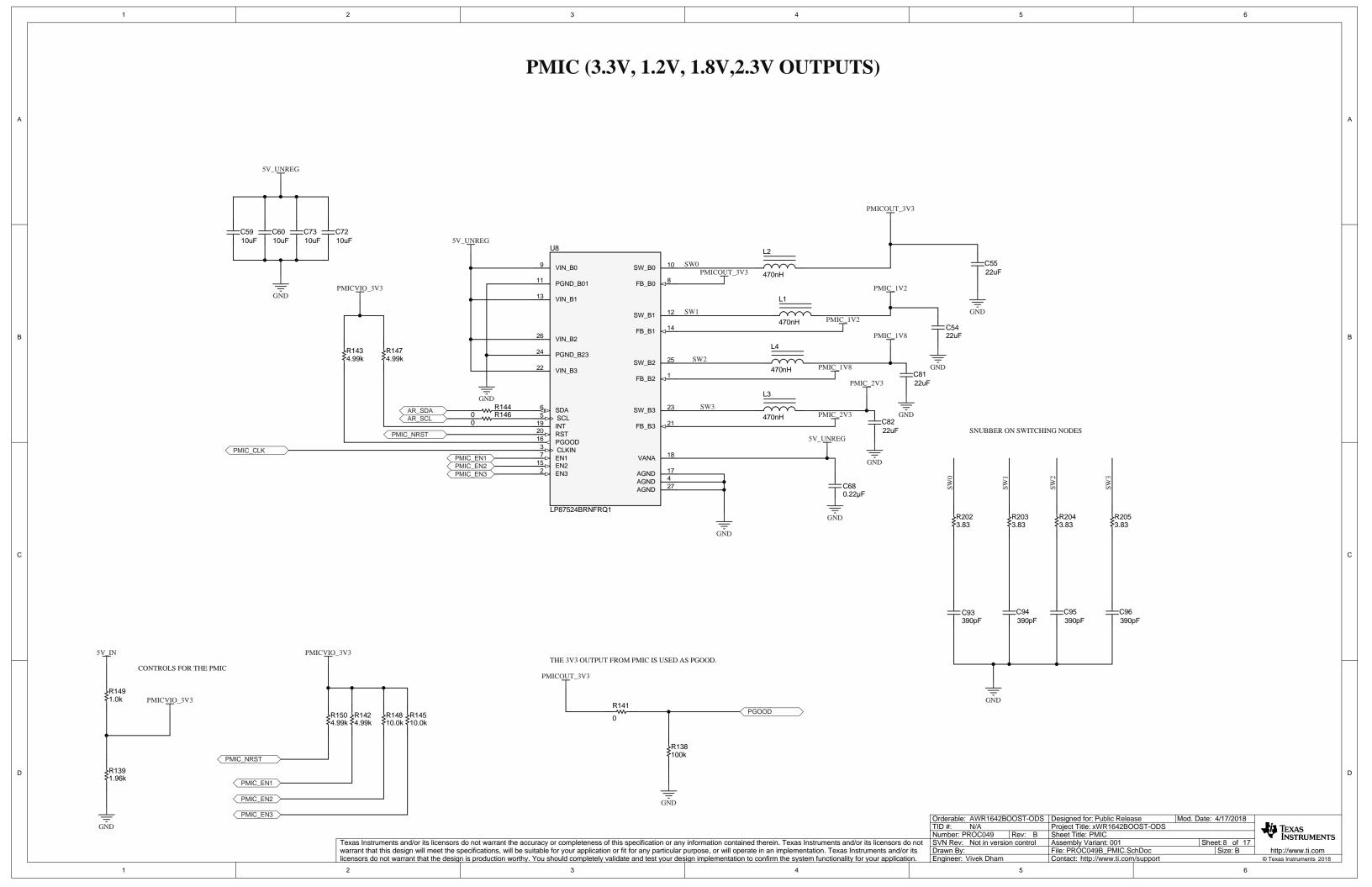


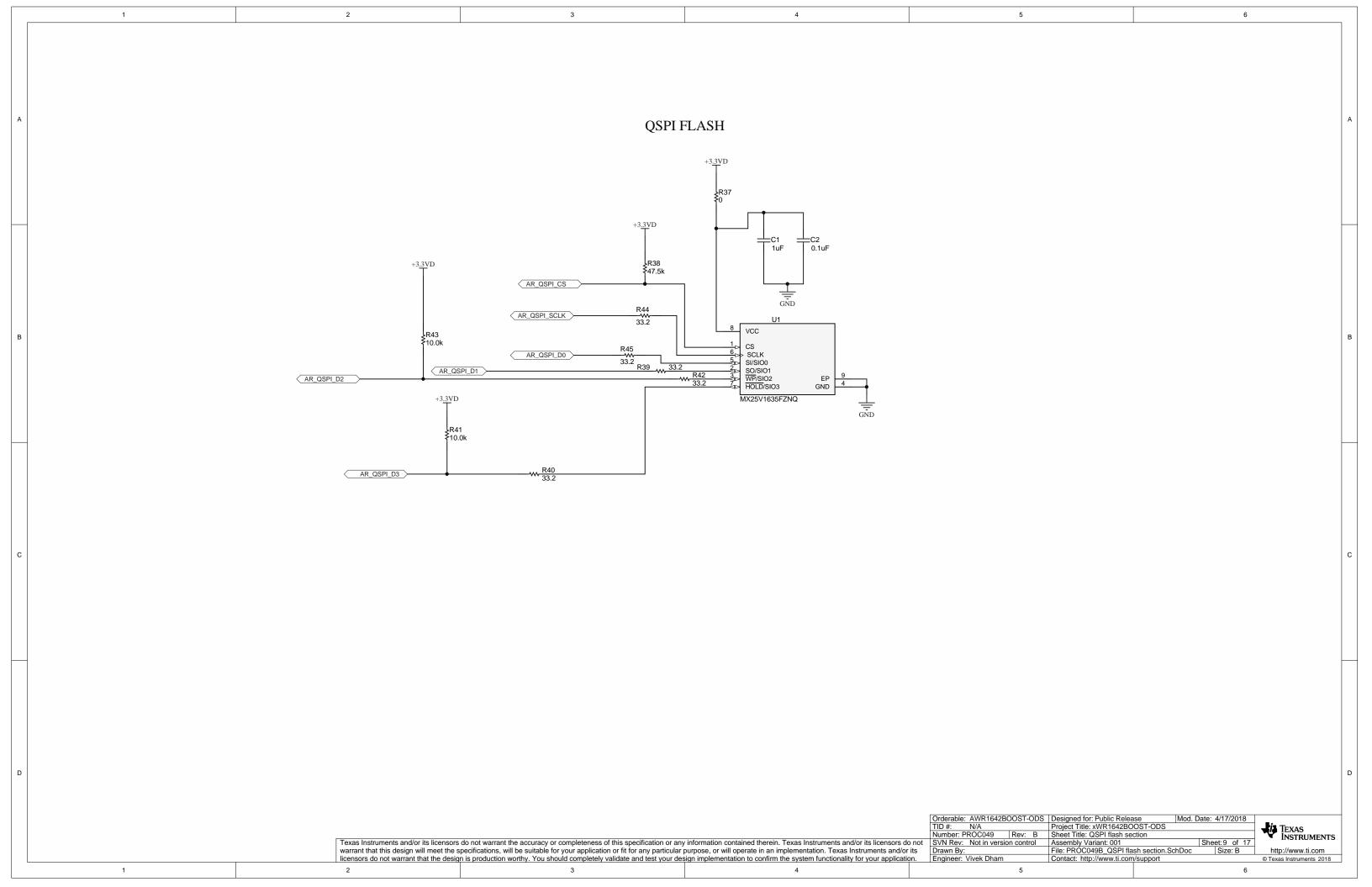


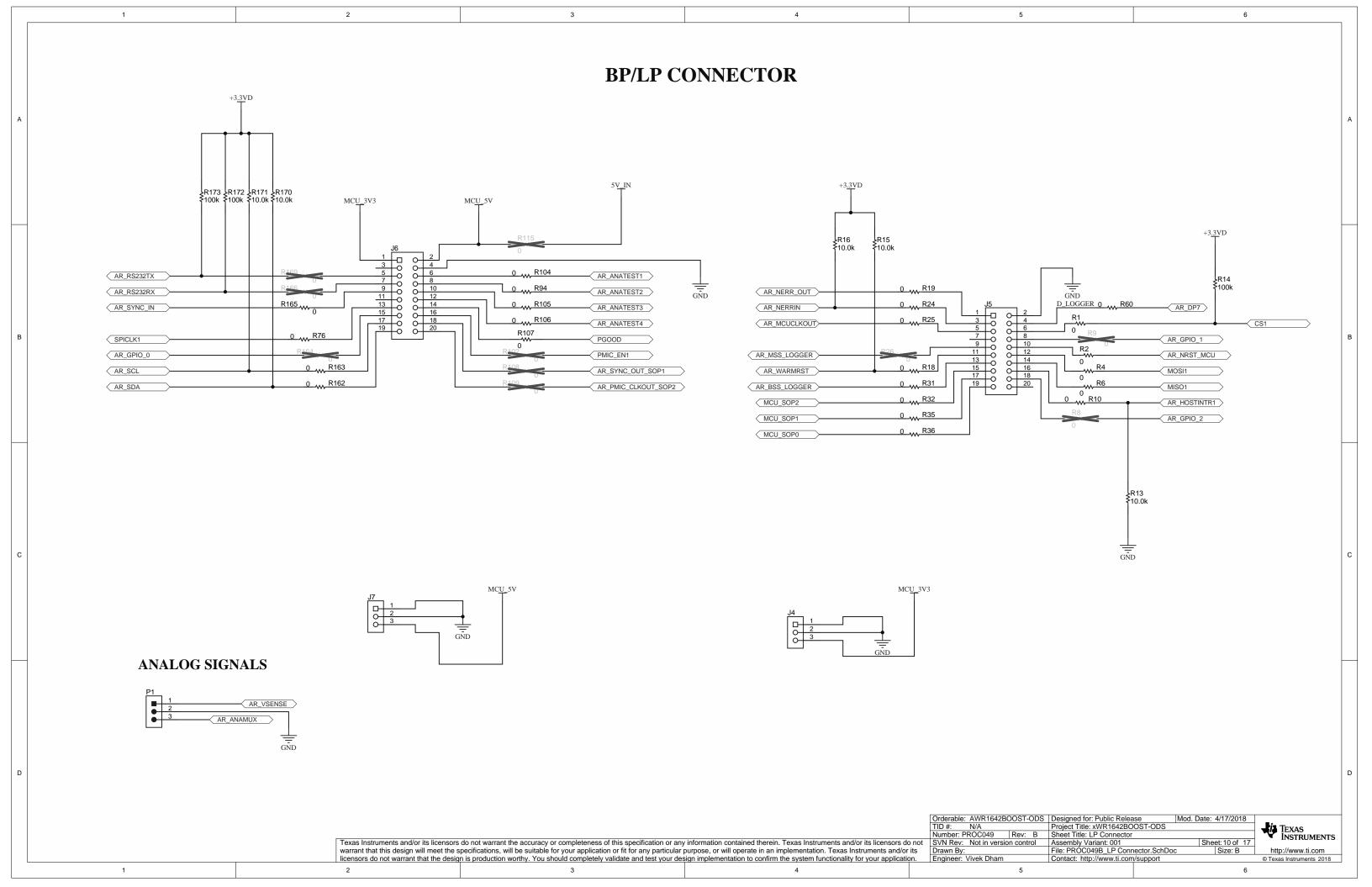


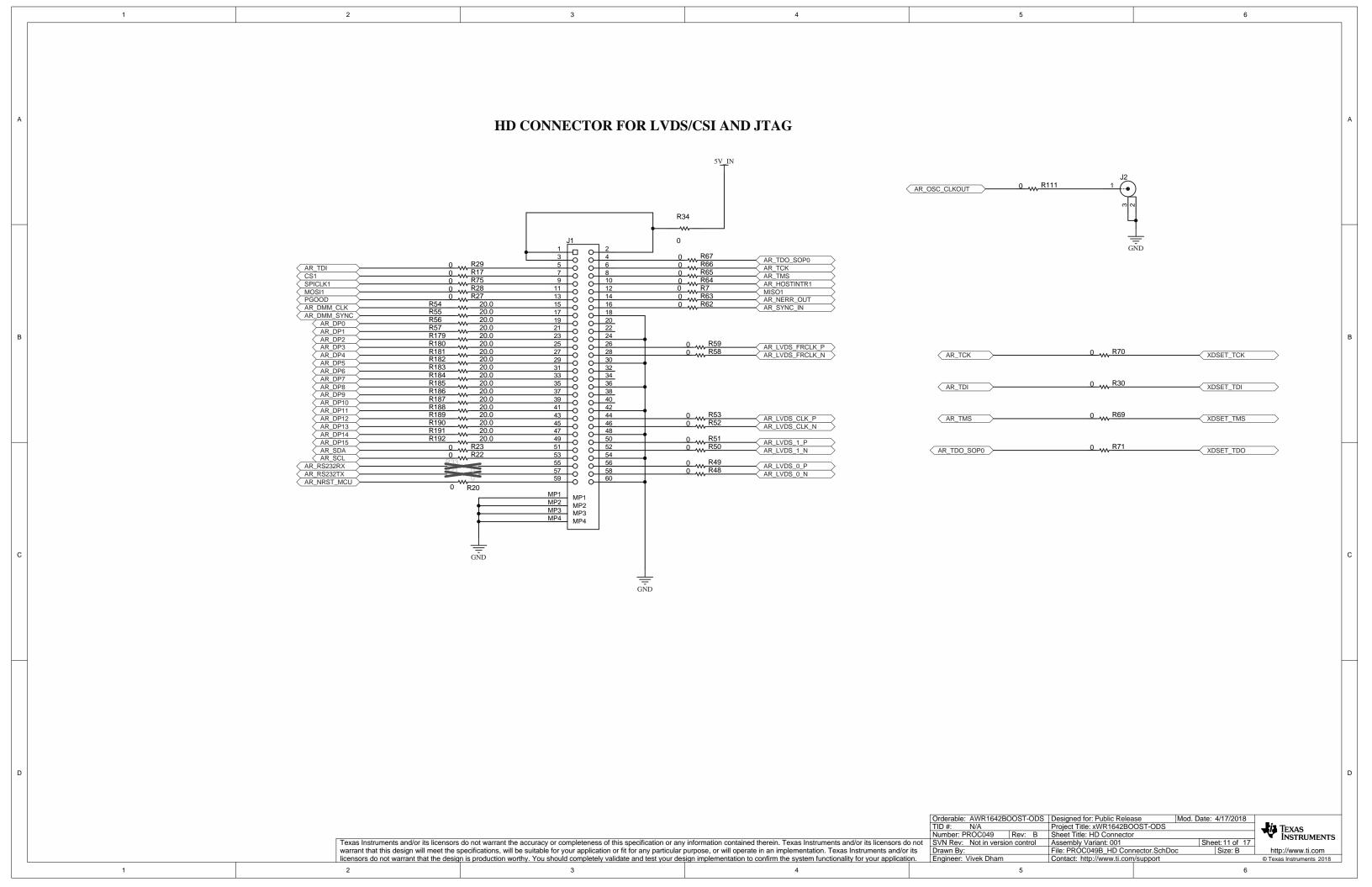


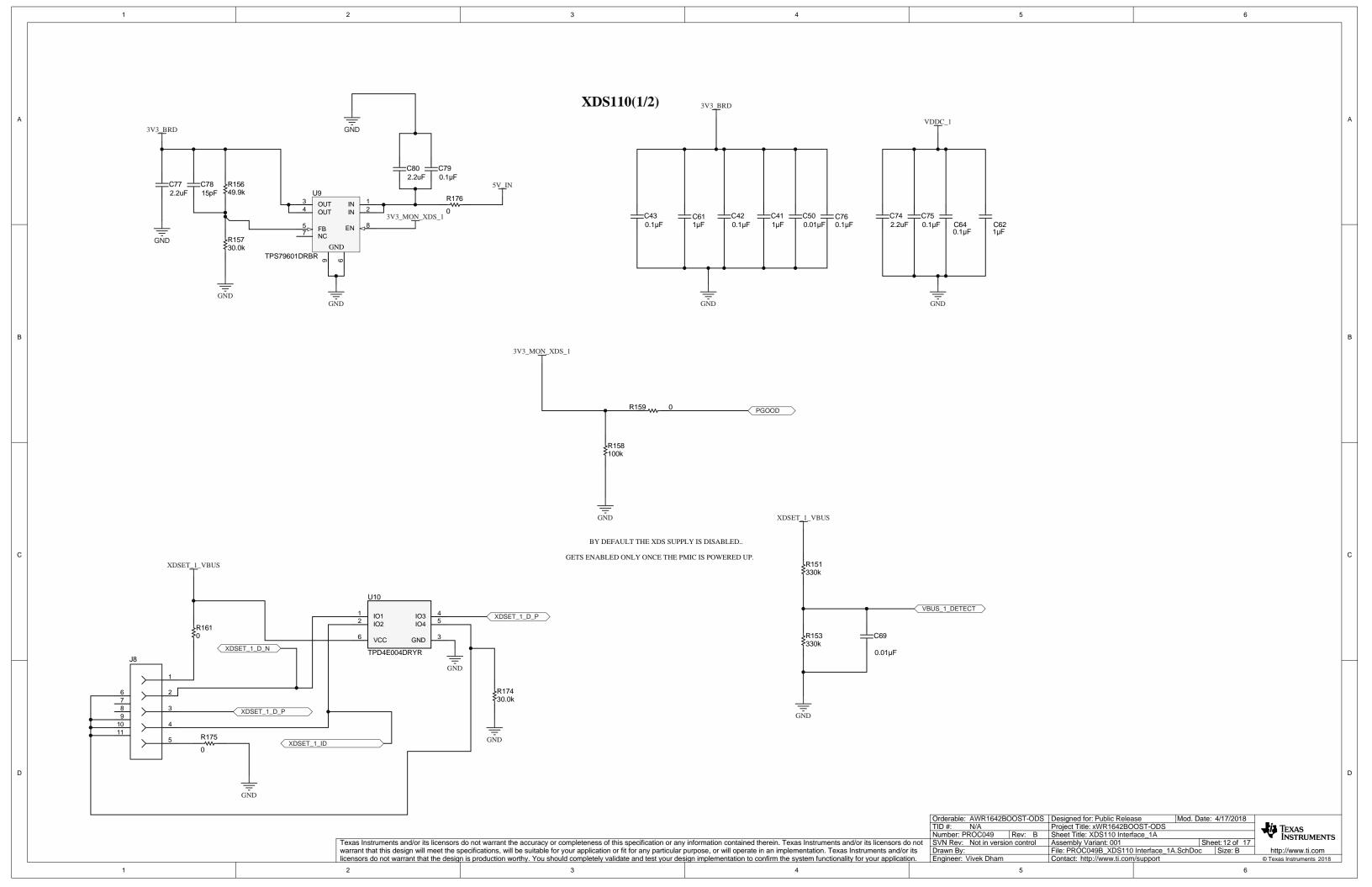


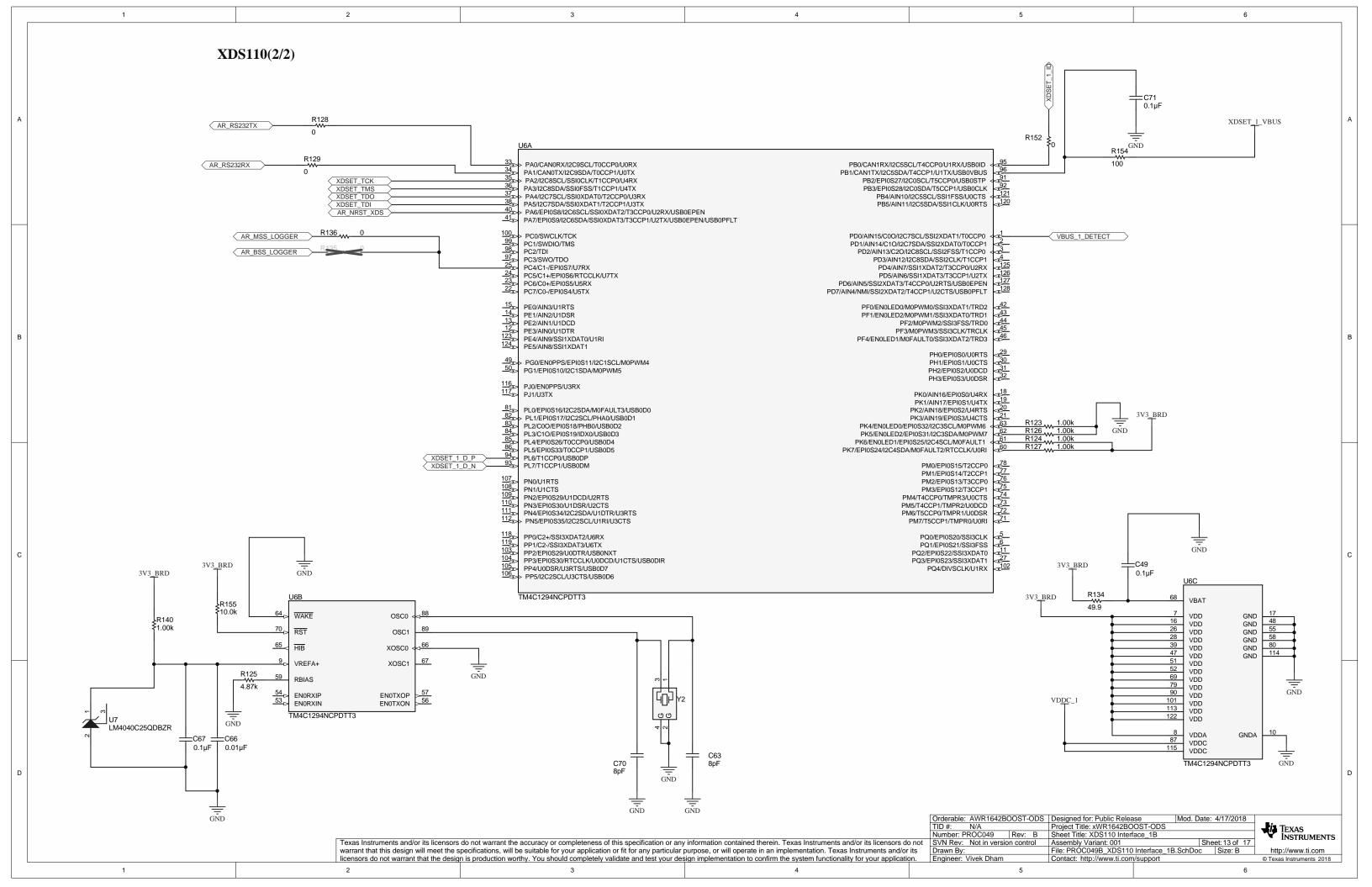


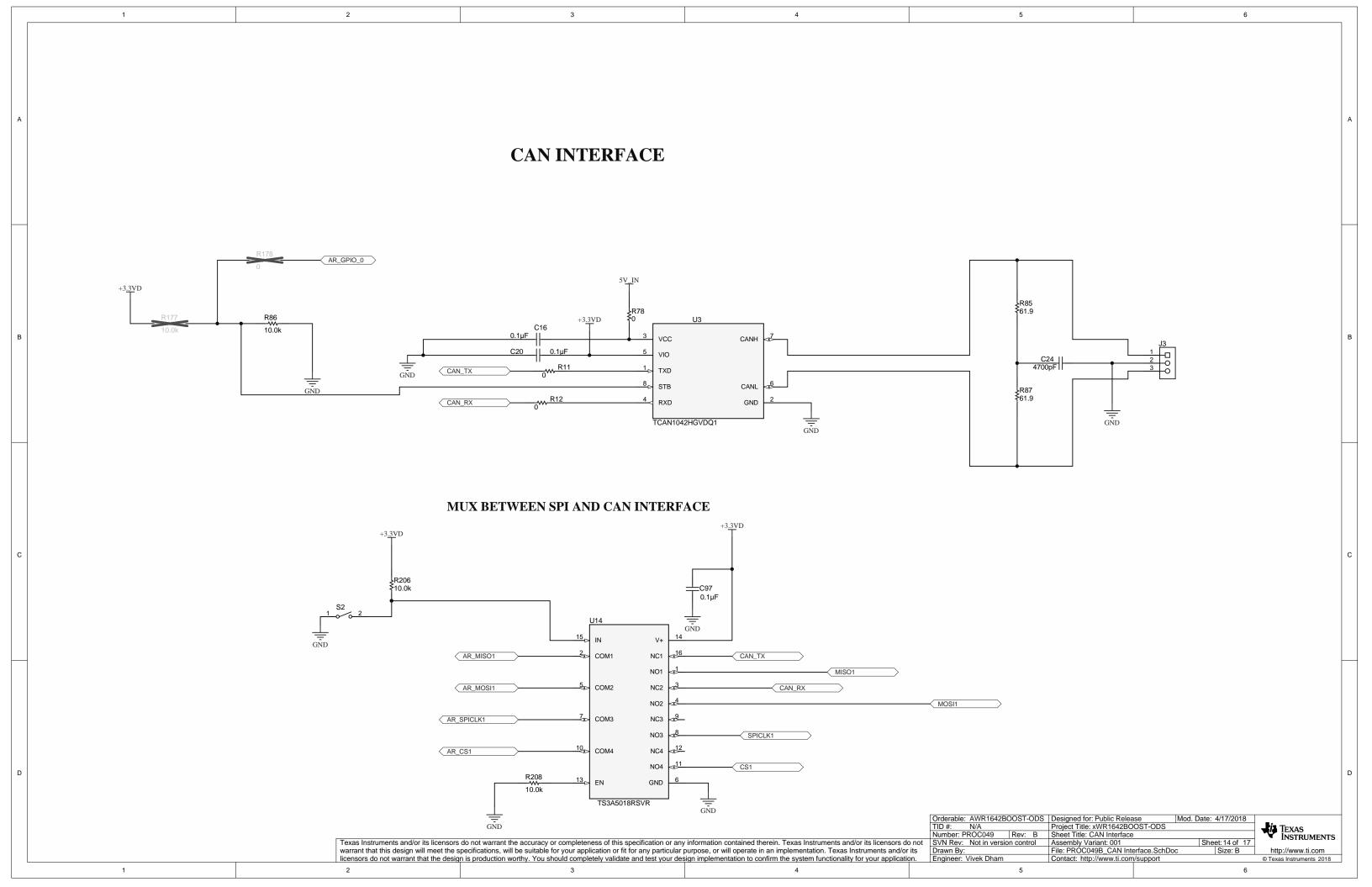


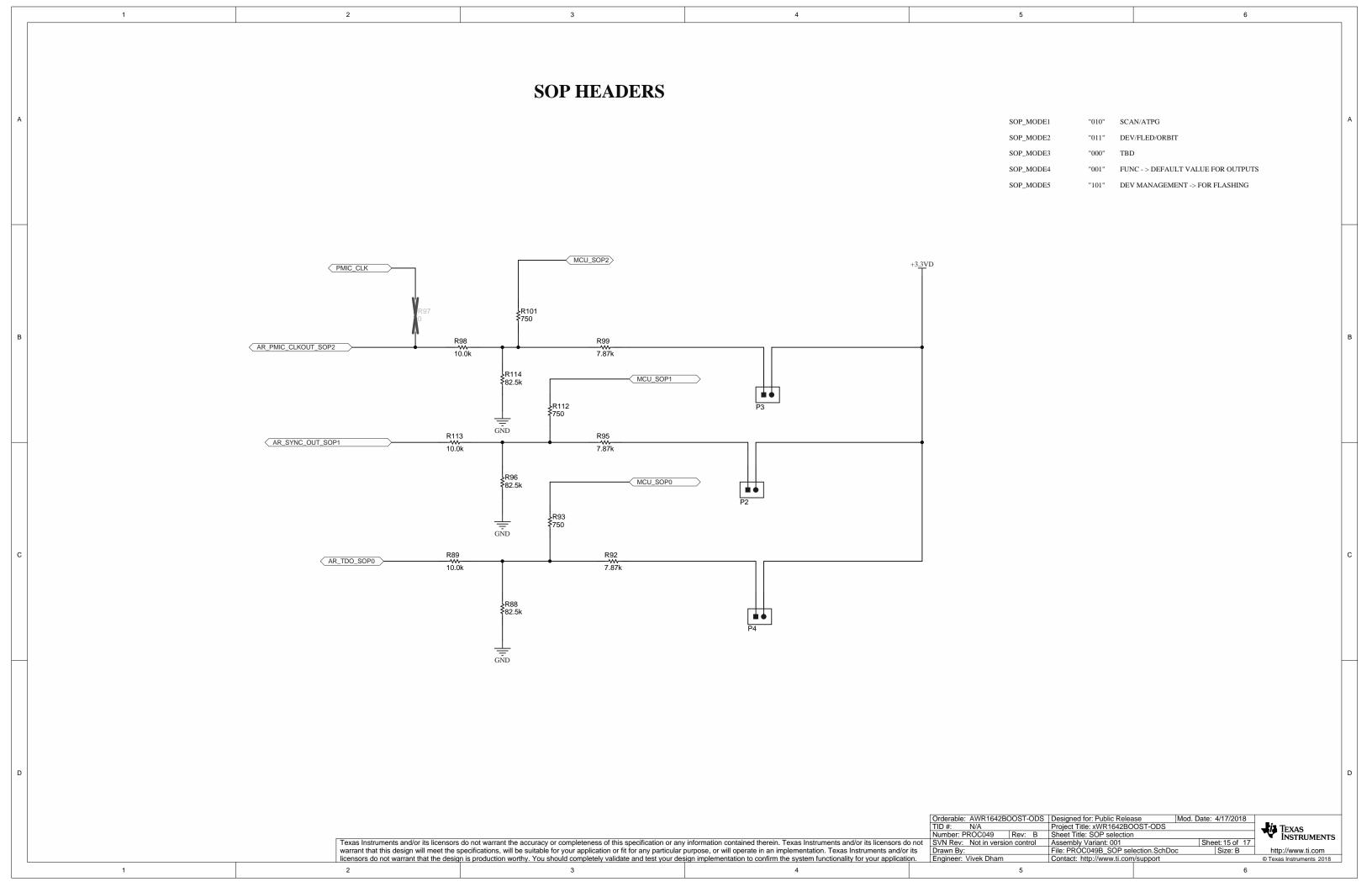










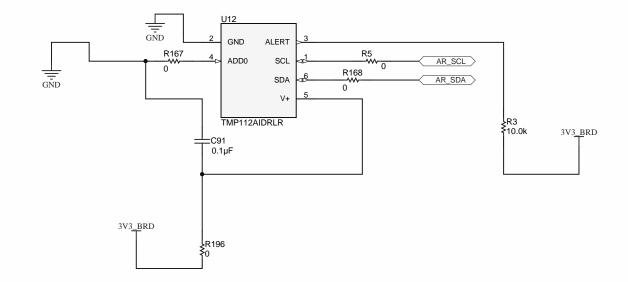


ONBOARD TEMP SENSORS

DEFAULT I2C ADDRESS 0X49 AND MMWAVE DEVICE TEMP SENSOR AWAY FROM PMIC

R198 ₀ ADD0 SCL R199 SDA Ę GND R197 TMP112AIDRLR GND 0.1µF R201 R200 ₹0

DEFAULT I2C ADDRESS 0X48 TEMP SENSOR CLOSE TO PMIC



Designed for: Public Release Project Title: xWR1642BOOST-ODS Orderable: AWR1642BOOST-ODS TID #: N/A Number: PROC049 Rev: B Sheet Title: Tempsensor

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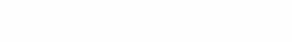














PCB LOGO Texas Instruments LOGO ESD Susceptible PCB LOGO FCC disclaimer

Works With TI LaunchPad Logo PCB LOGO

Works With TI LaunchPad Logo

PČB LOGO



PCB Label Size: 0.65" x 0.20 "



Z19 MECH 3025010-03

PCB Number: PROC049 PCB Rev: B

Variant/Label Table Variant Label Text 001 AWR1642BOOST-ODS 002 IWR1642BOOST-ODS

ZZ1
Label Assembly Note
This Assembly Note is for PCB labels only

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.

Assembly Note
Micro USB cable, Brackets, Screws, Nuts, Jumpers and Bump on need to be place in a plastic bag

| Orderable: AWR1642BOOST-ODS | Designed for: Public Release | TID #: N/A | Project Title: xWR1642BOOST-ODS | Number: PROC049 | Rev: B | Sheet Title: Hardware | Mod. Date: 4/17/2018 SVN Rev: Not in version control
Drawn By:

File: PROC049B_Hardware.SchDoc

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