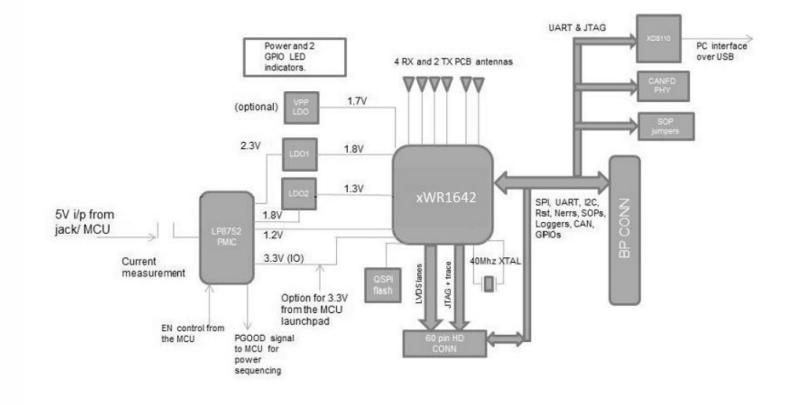
IVEA	LOIV#	Approved Date	Apploved by	Notes
В	1	22/01/2018	Vivek dham	ADDED SWITCH CONTROL TO MOVE between SPI and CAN interface
В	2	22/01/2018	Vivek dham	Enabled by default the 5V supply from the 60pin HD connector.
В	3	22/01/2018	Vivek dham	Enabled by default the SYNC_IN signal connection to J6 connector
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 TABLE OF CONTENTS

SHEET NO.	SHEET NAME
1	PROC011B_COVERSHEET
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3	PROC011B_Decoupling caps
4	PROC011B_LDO_01 (1.8V Output)
5	PROC011B_LDO_02 (1.3V Output)
6	PROC011B_VPP_Supply
7	PROC011B_Pwr_RST_LEDs
8	PROC011B_PMIC
9	PROC011B_QSPI flash section
10	PROC011B_LP Connector
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12	PROC011B_XDS110 Interface_1A
13	PROC011B_XDS110 Interface_1B
14	PROC011B_CAN Interface
15	PROC011B_SOP selection
16	PROC011B_Tempsensor
17	PROC011B_Hardware



Orderable: IWR1642BOOST Designed for: Public Release Mod. Date: 3/2/2018
TID #: N/A Project Title: xWR1642BOOST
Number: PROC011 Rev: B Sheet Title: COVERSHEET
SVN Rev: Not in version control Drawn By: File: PROC011B_COVERSHEET.SchDoc Size: B

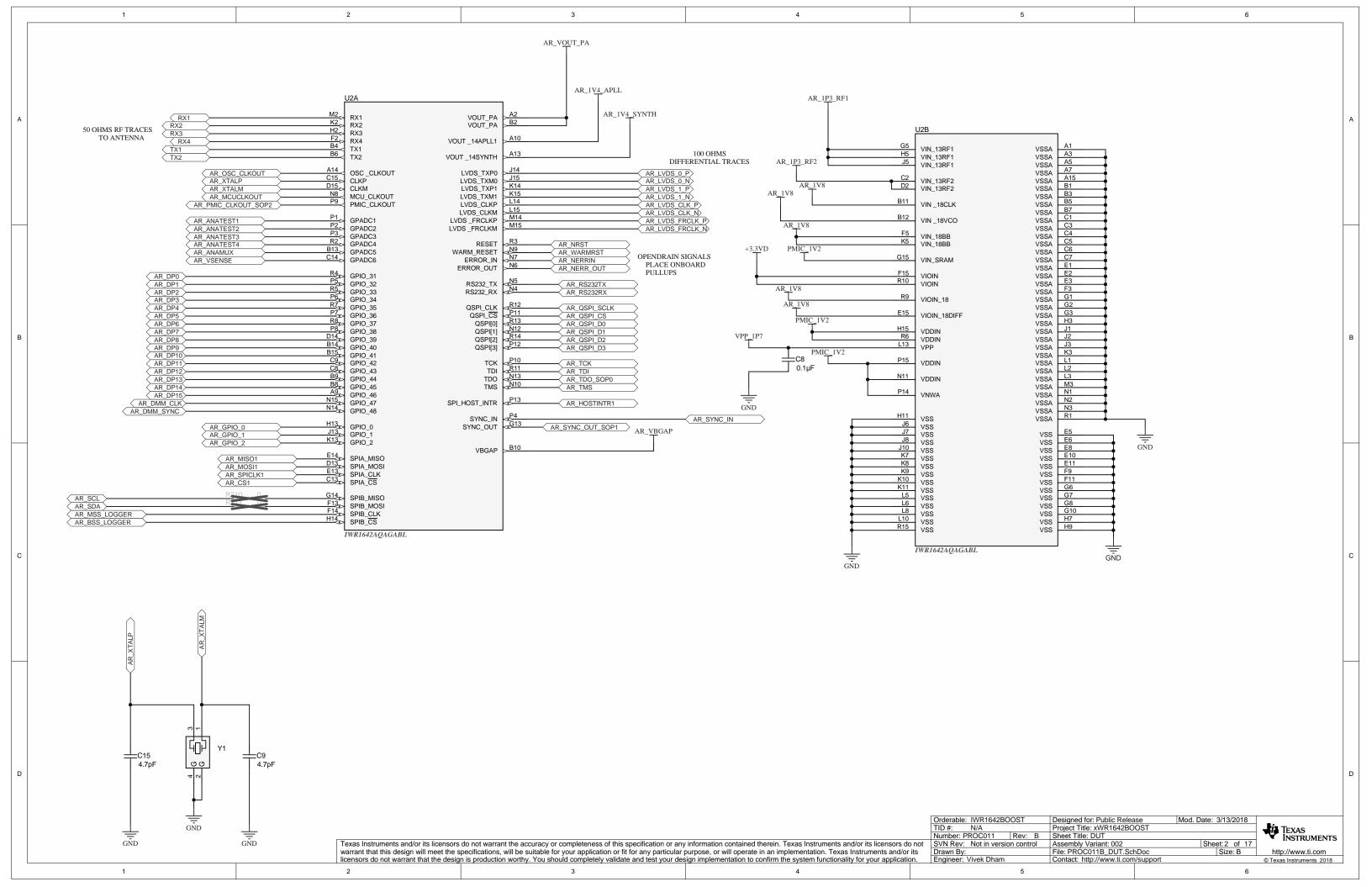
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INSTRUMENTS

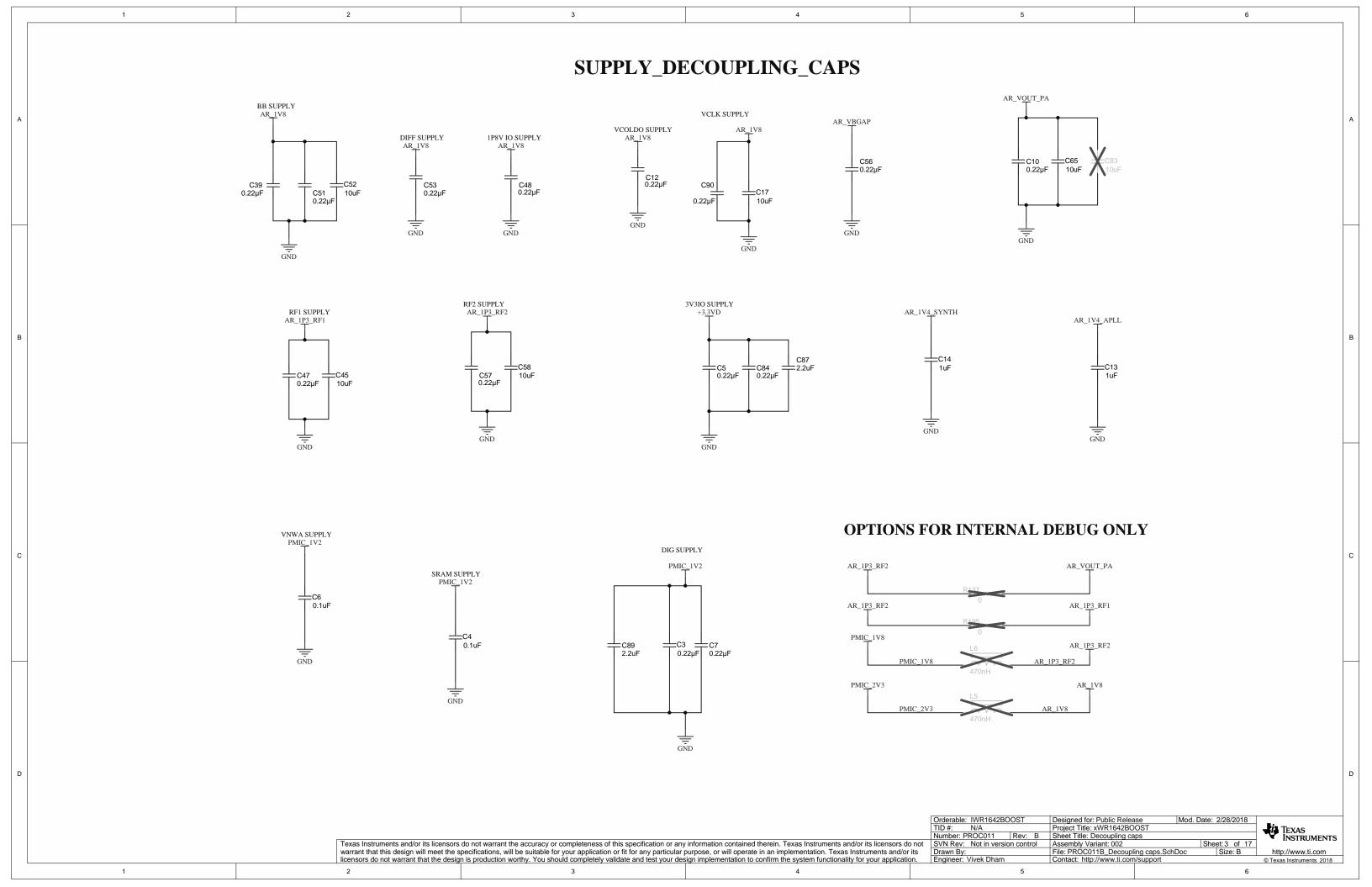
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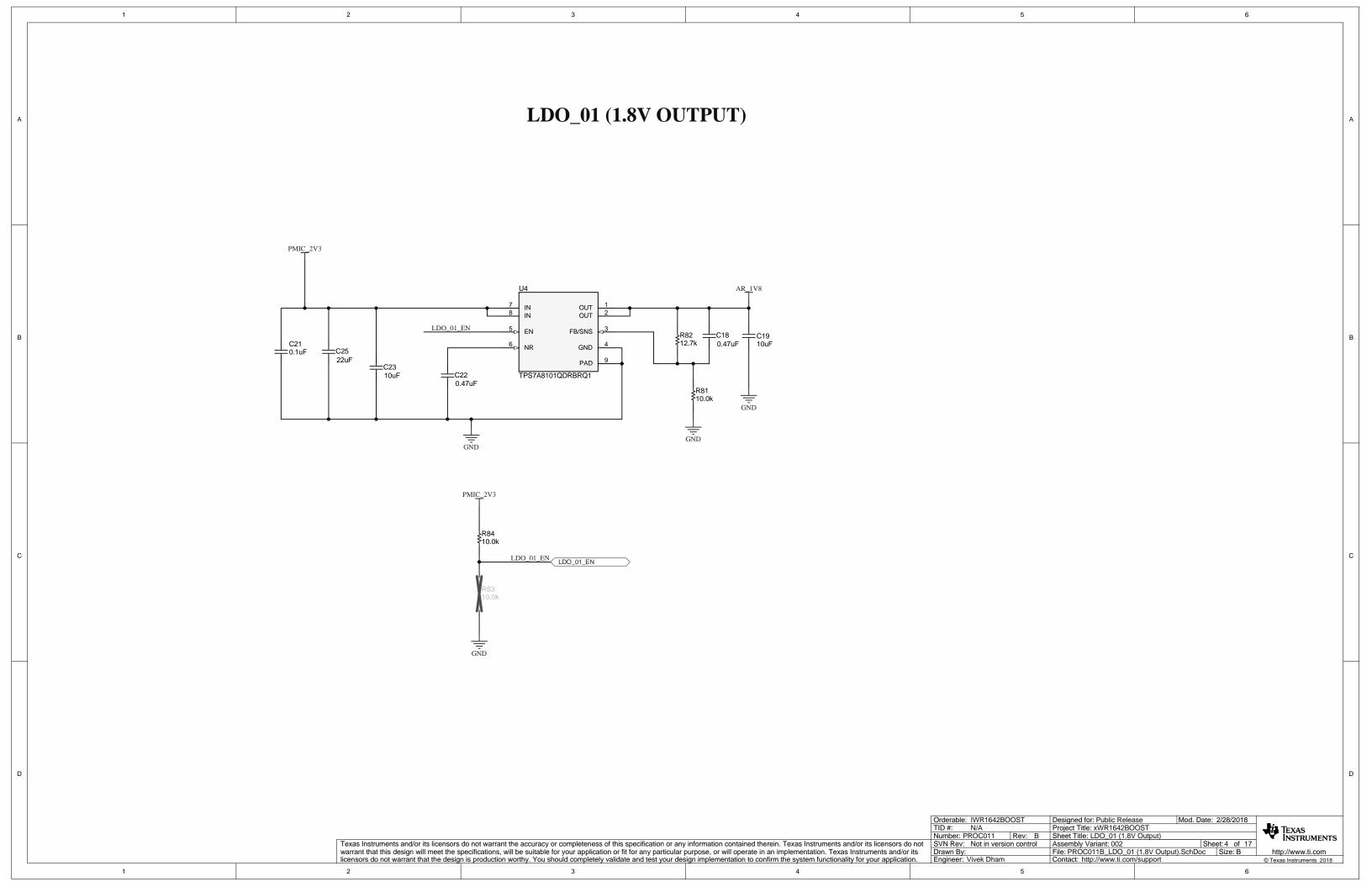
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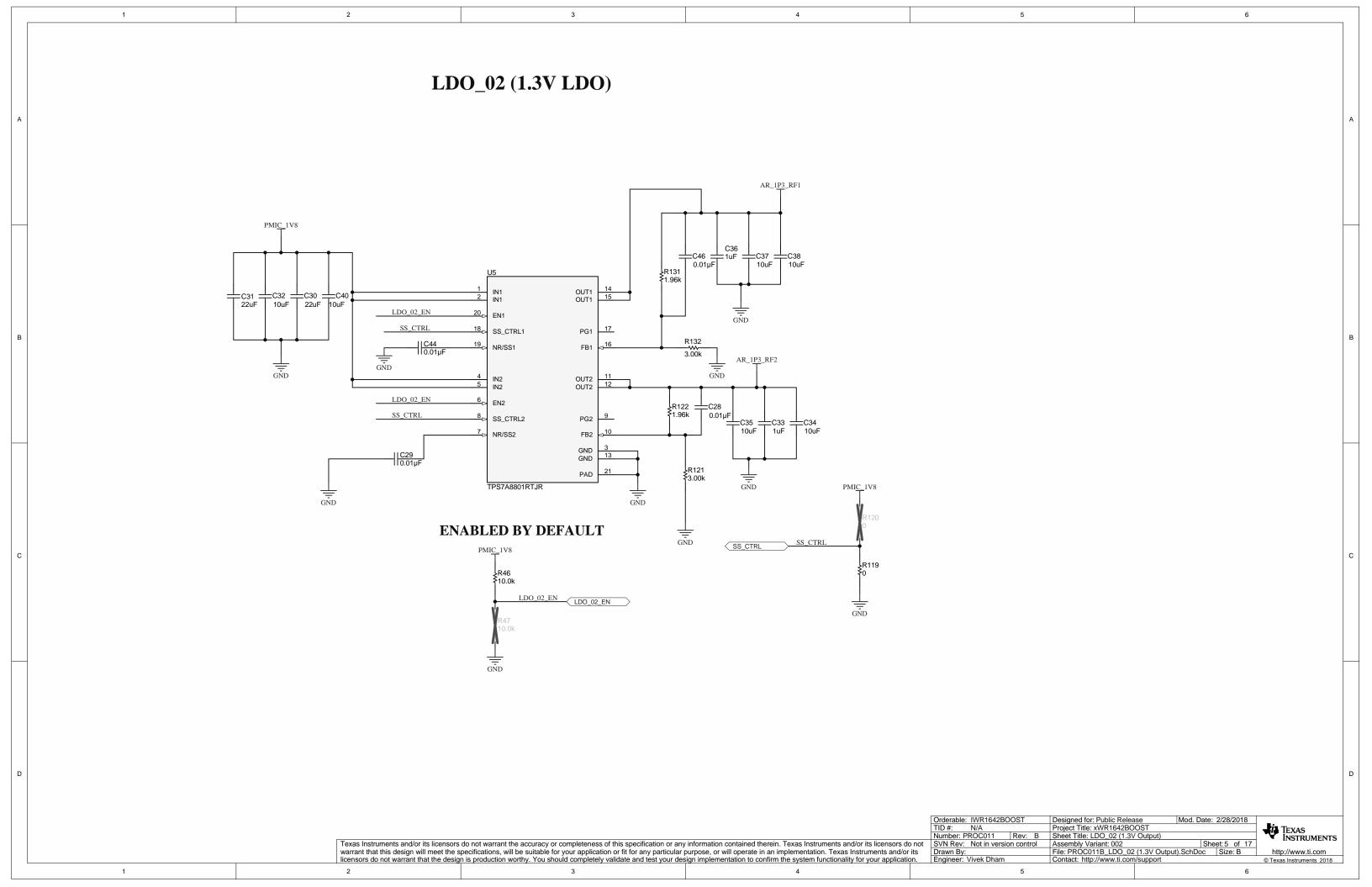
Orderable: IWR1642BOOST
TID #: N/A
Number: PROC011 | Rev: B
SVN Rev: Not in version control
Drawn By:
Engineer: Vivek Dham

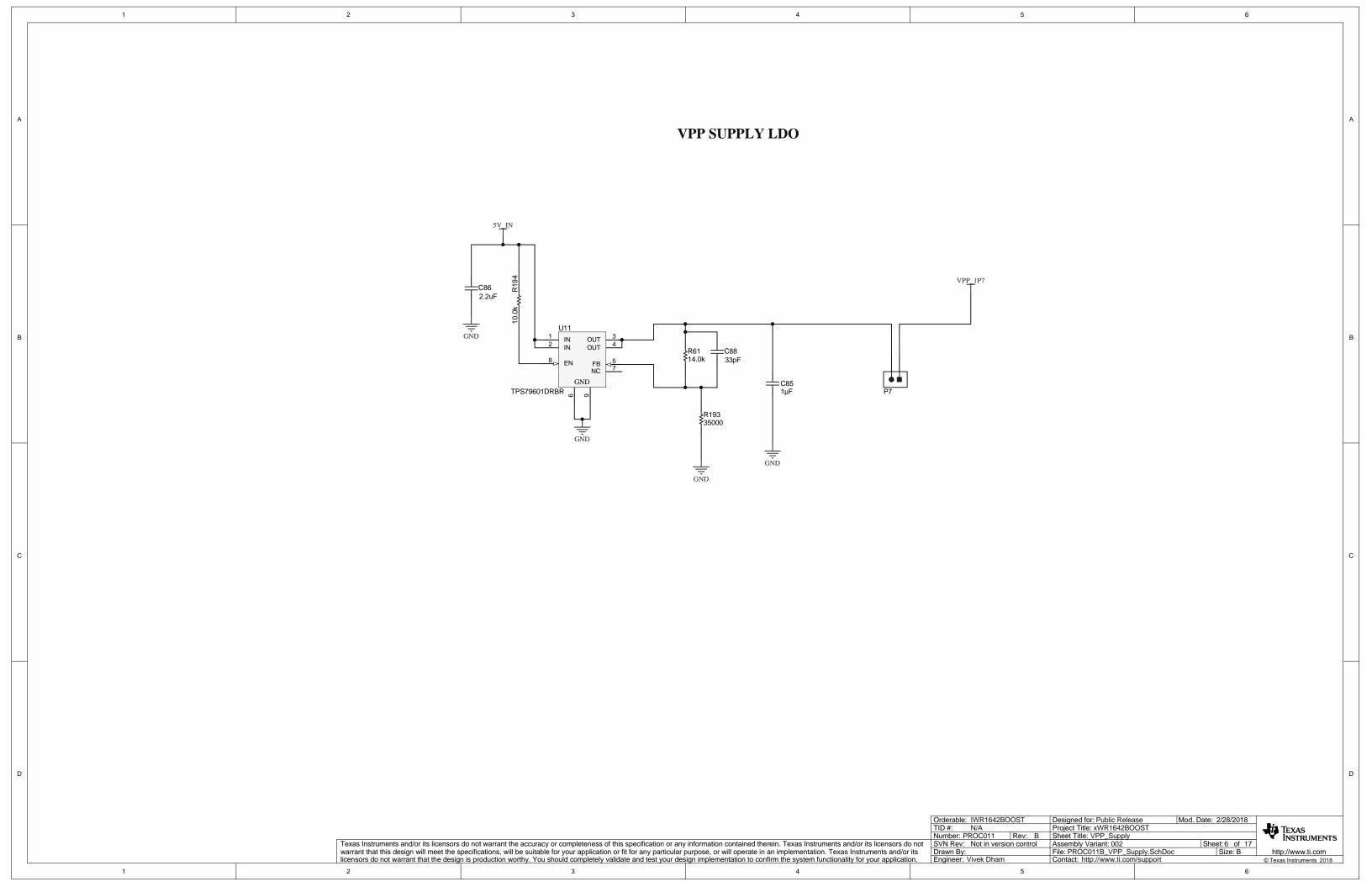
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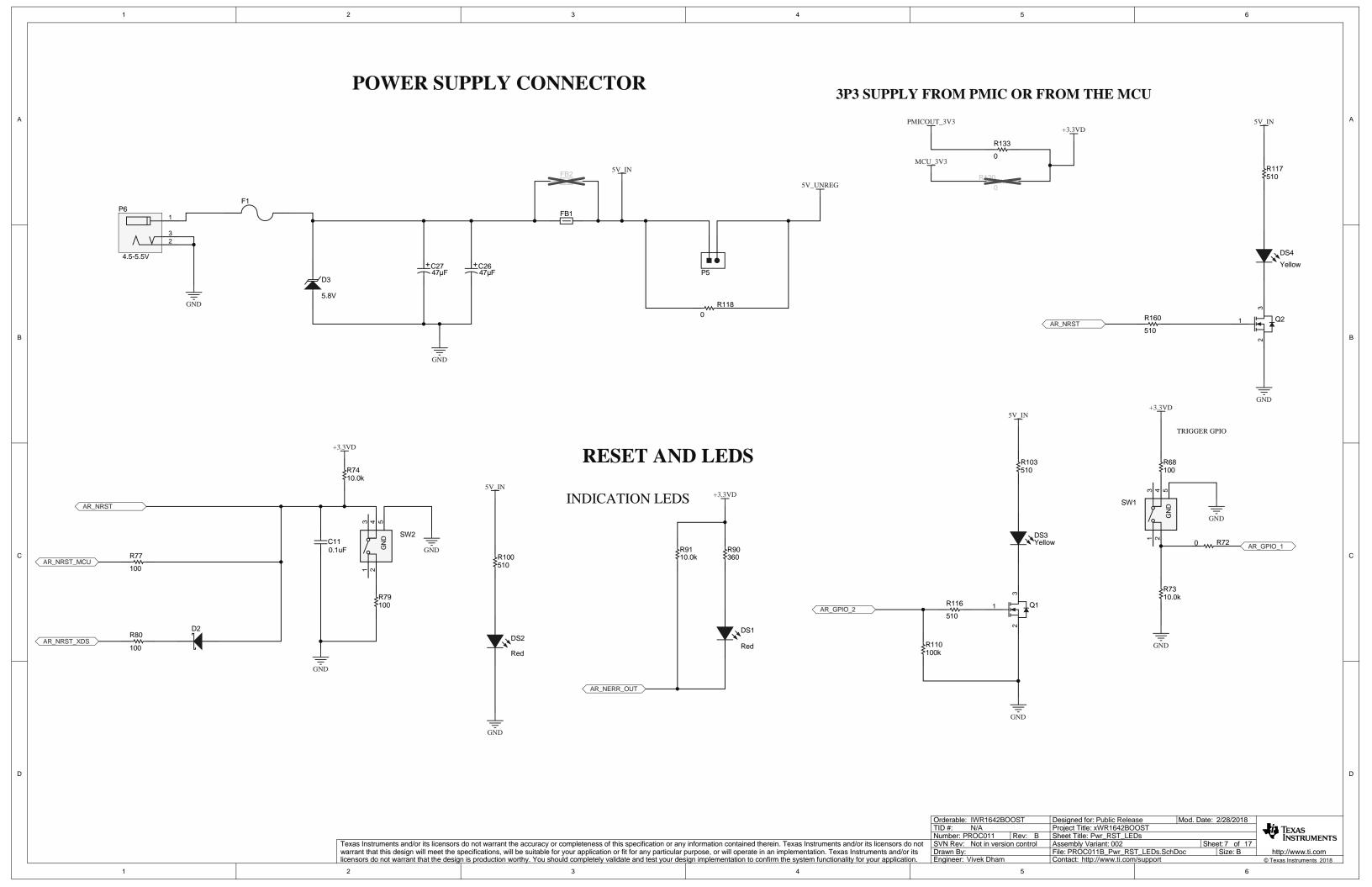


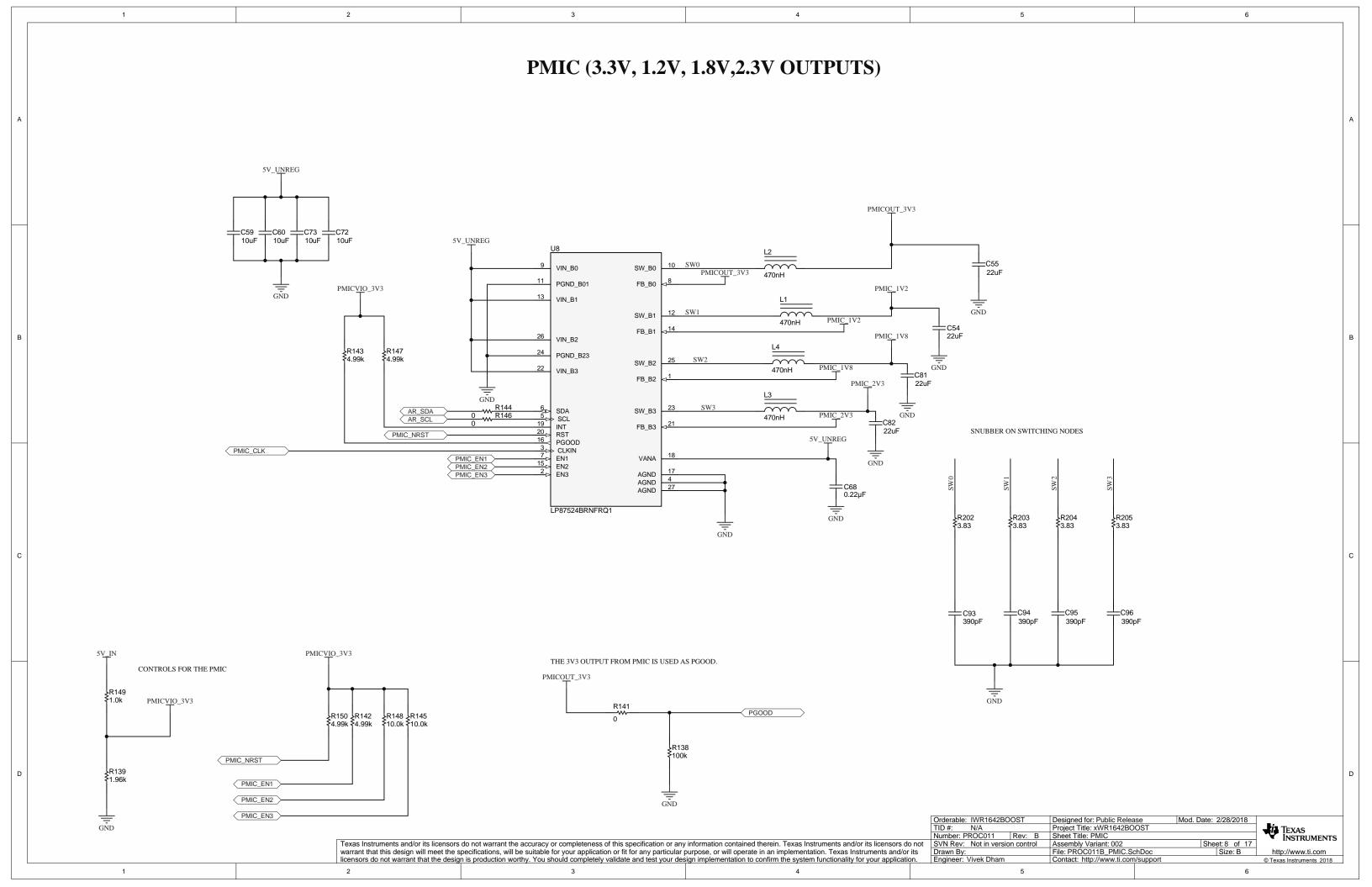


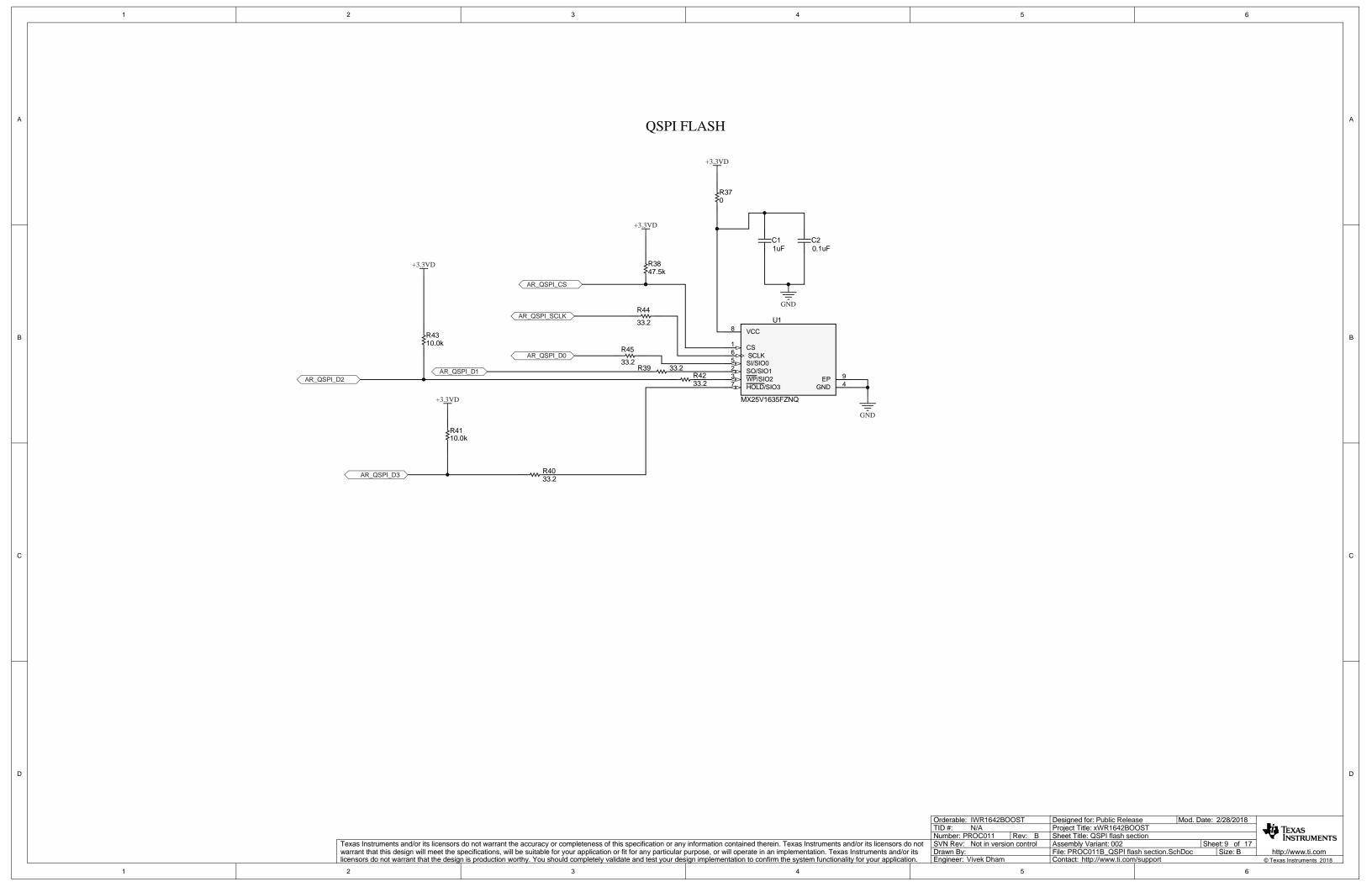


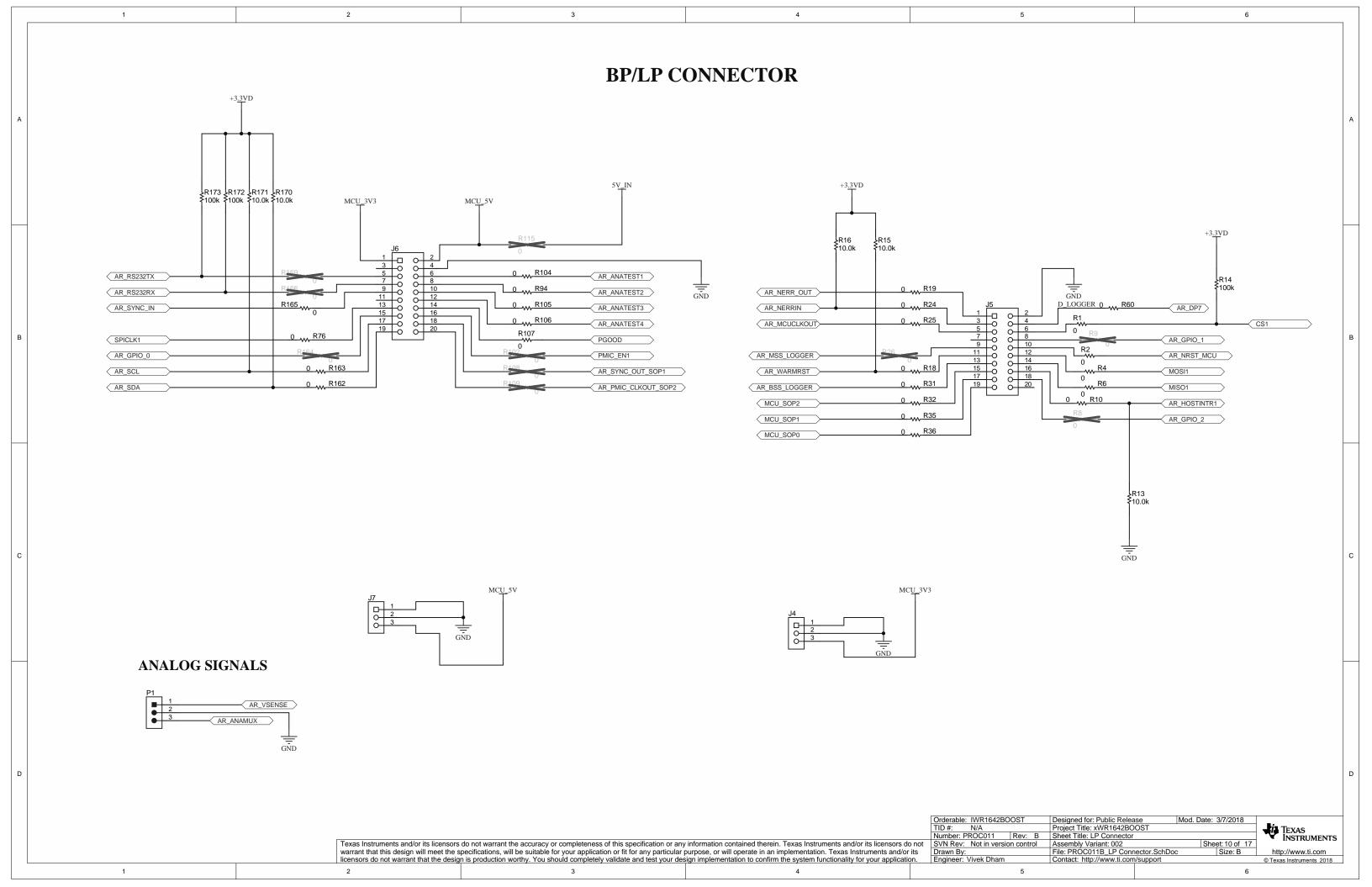


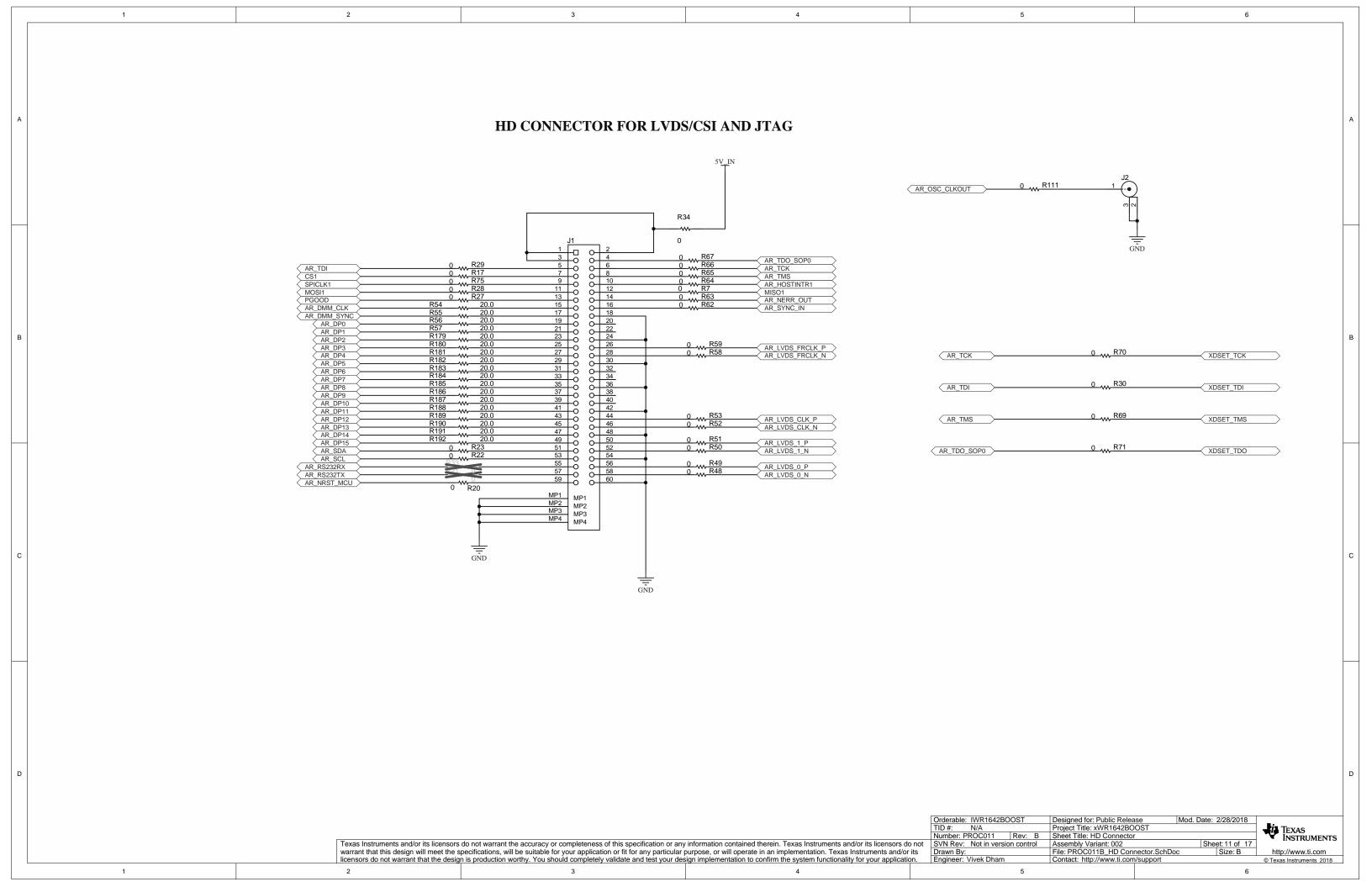


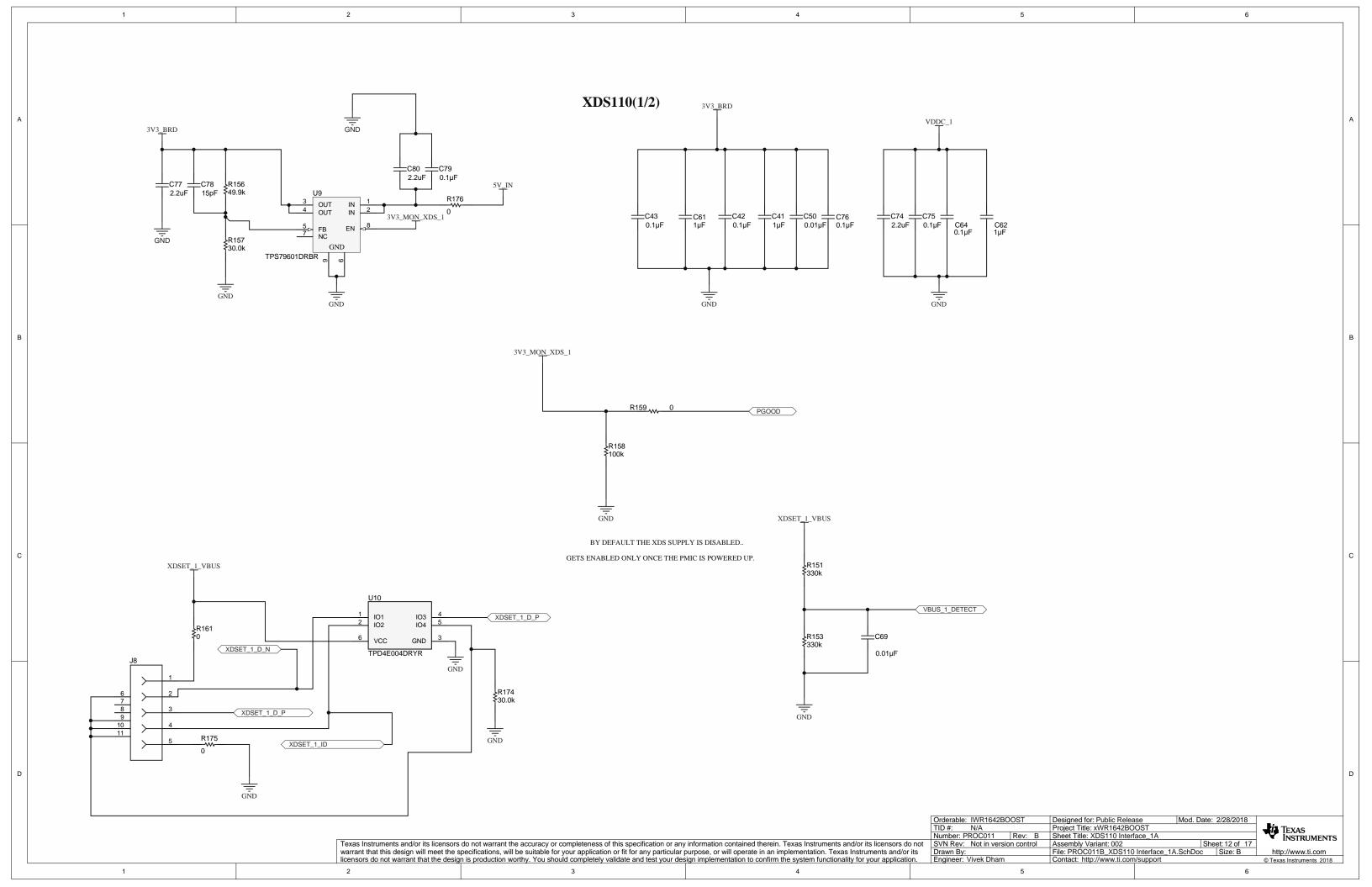


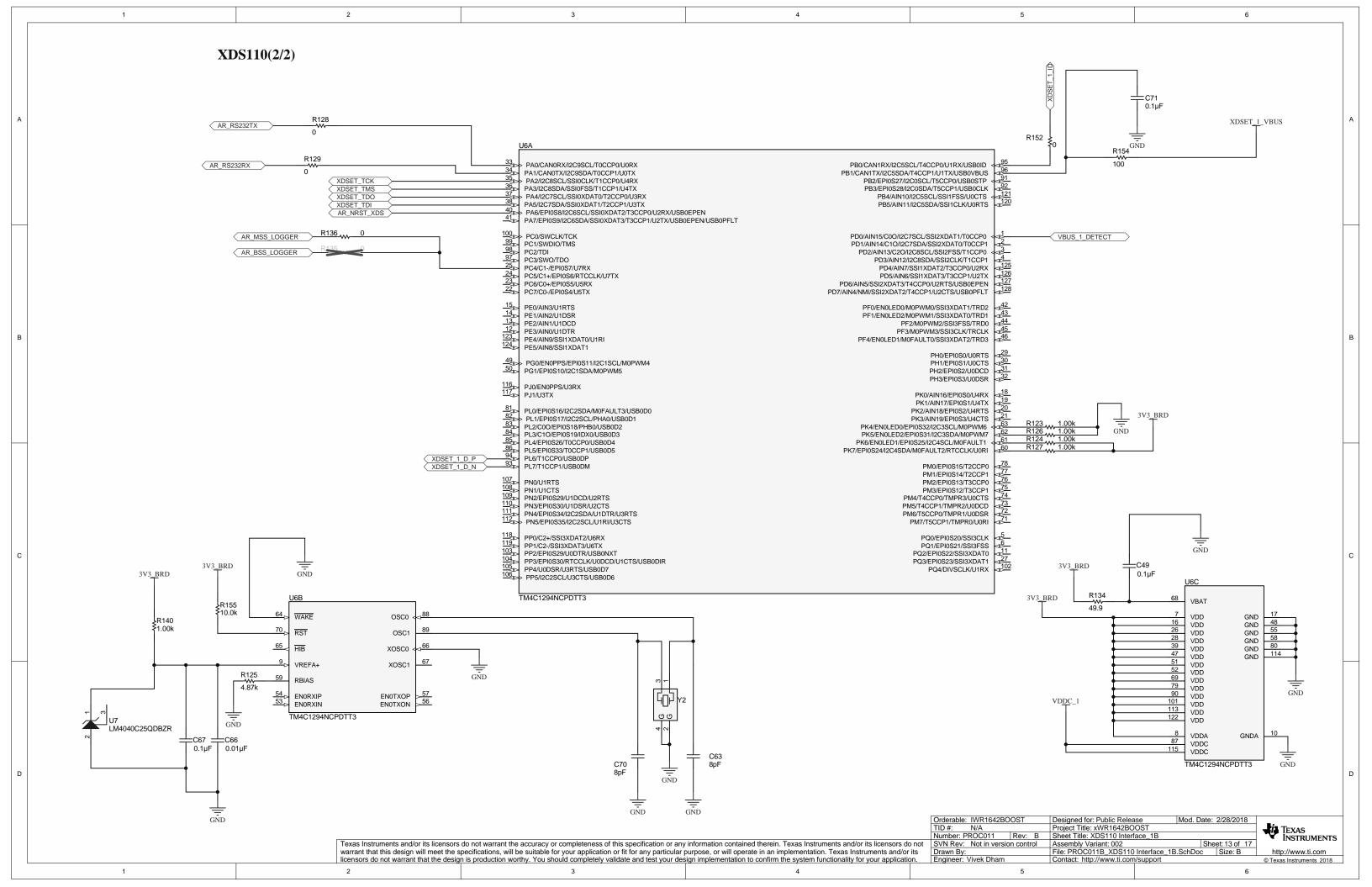


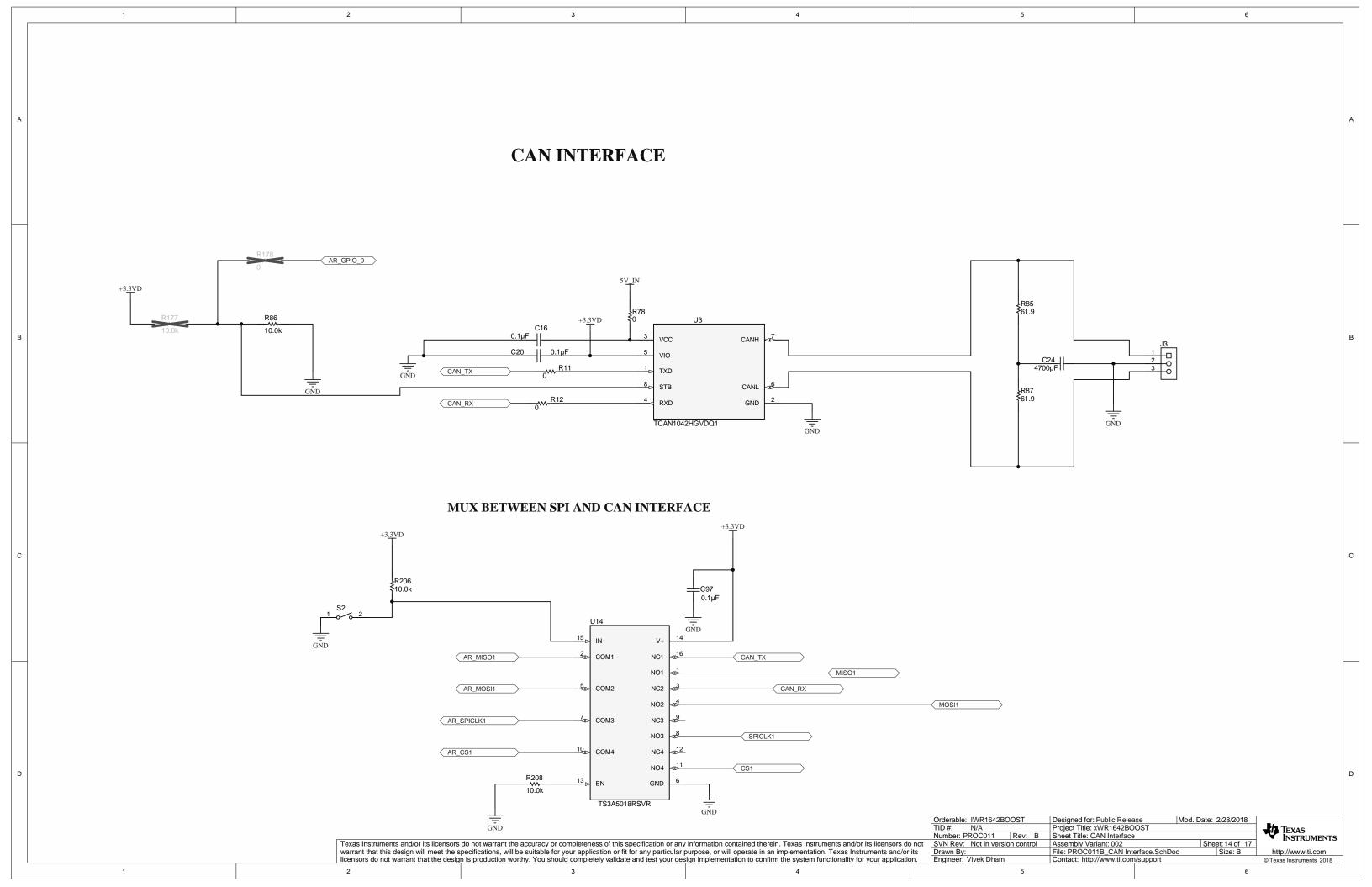


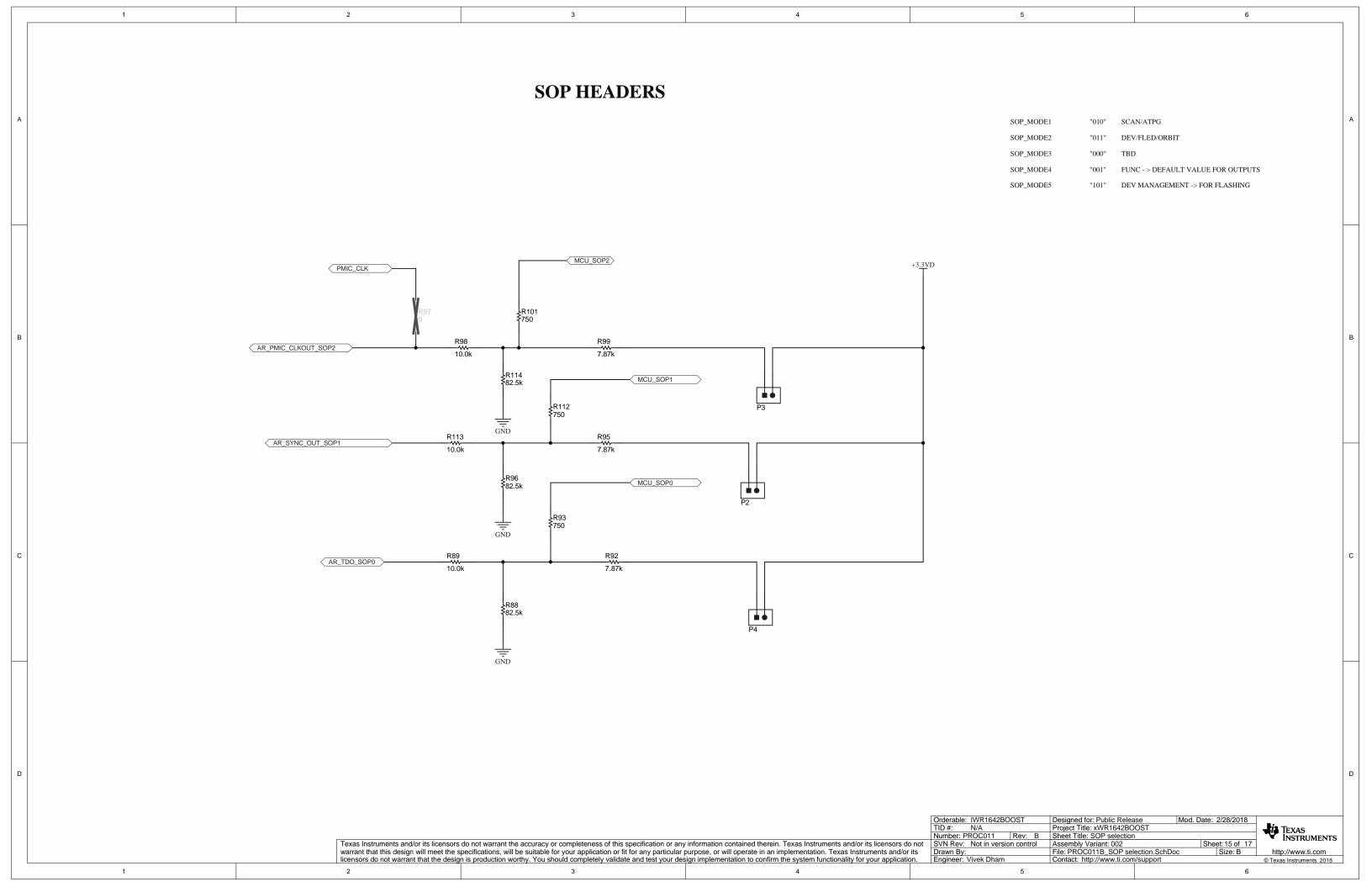










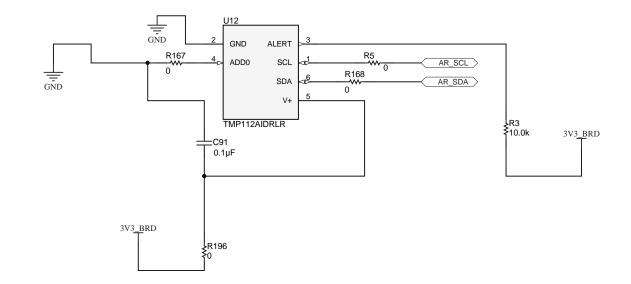


ONBOARD TEMP SENSORS

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

2 GND ALERT 3 ADD0 SCL SDA 4 SDA 4 SDA 4 SDA 5 O AR_SCL SDA 5 O A

DEFAULT I2C ADDRESS 0X48 TEMP SENSOR CLOSE TO PMIC



Orderable: IWR1642BOOST Designed for: Public Release Mod. Date: 2/28/2018

TID #: N/A Project Title: xWR1642BOOST

Number: PROC011 Rev: B Sheet Title: Tempsensor

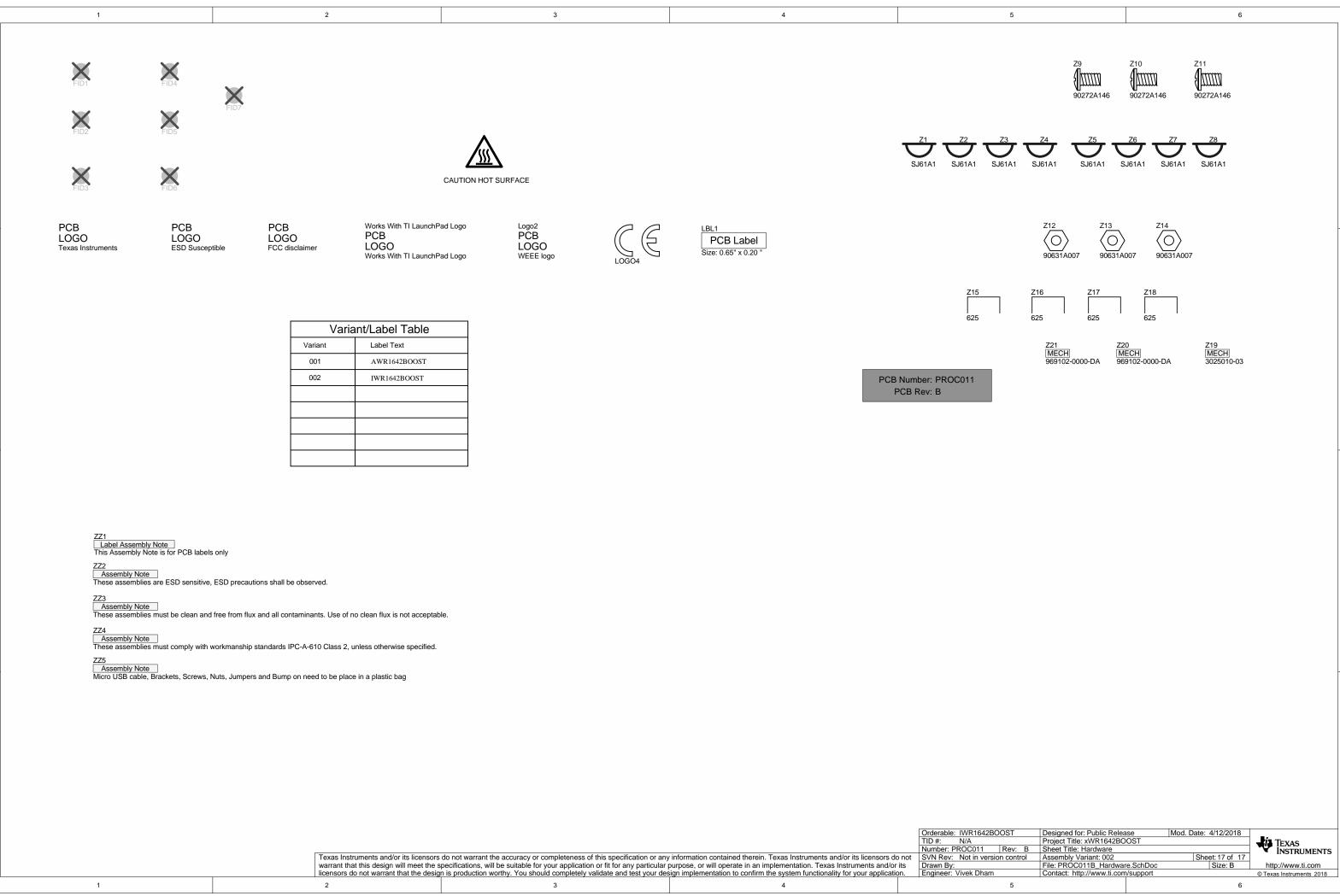
SVN Rev: Not in version control Assembly Variant: 002 Sheet: 16 of 17

Drawn By: File: PROC011B Tempsensor. SchDoc Size: B http://www.ti.com

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| Number: | Number: | Number: | Number: | Not in version control | SVN Rev: | Not in version control | Drawn By: | Engineer: Vivek Dham | Production | Number: | Nu



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