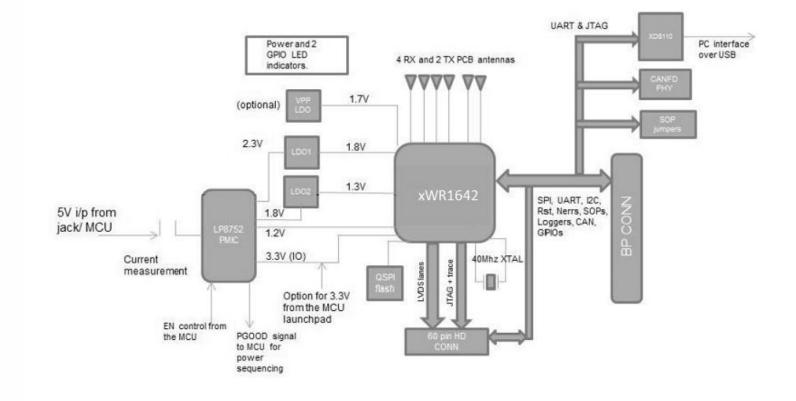
Kev	ECIN#	Approved Date	Approved by	Notes
В	1	22/01/2018	Vivek dham	ADDED SWITCH CONTROL TO MOVE between SPI and CAN interface
В	2	22/01/2018	Vivek dham	Enabled by default the 5V supply from the 60pin HD connector.
В	3	22/01/2018	Vivek dham	Enabled by default the SYNC_IN signal connection to J6 connector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

SHEET NO.	SHEET NAME
1	PROC011B_COVERSHEET
2	PROC011B_DUT
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
11	PROC011B_HD Connector
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: AWR1642BOOST
TID #: N/A
Number: PROC011 Rev: B
SVN Rev: Not in version control
Drawn By: File: PROC0118 COVERSHEET.SchDoc
Size: B

TEXAS INSTRUMENTS

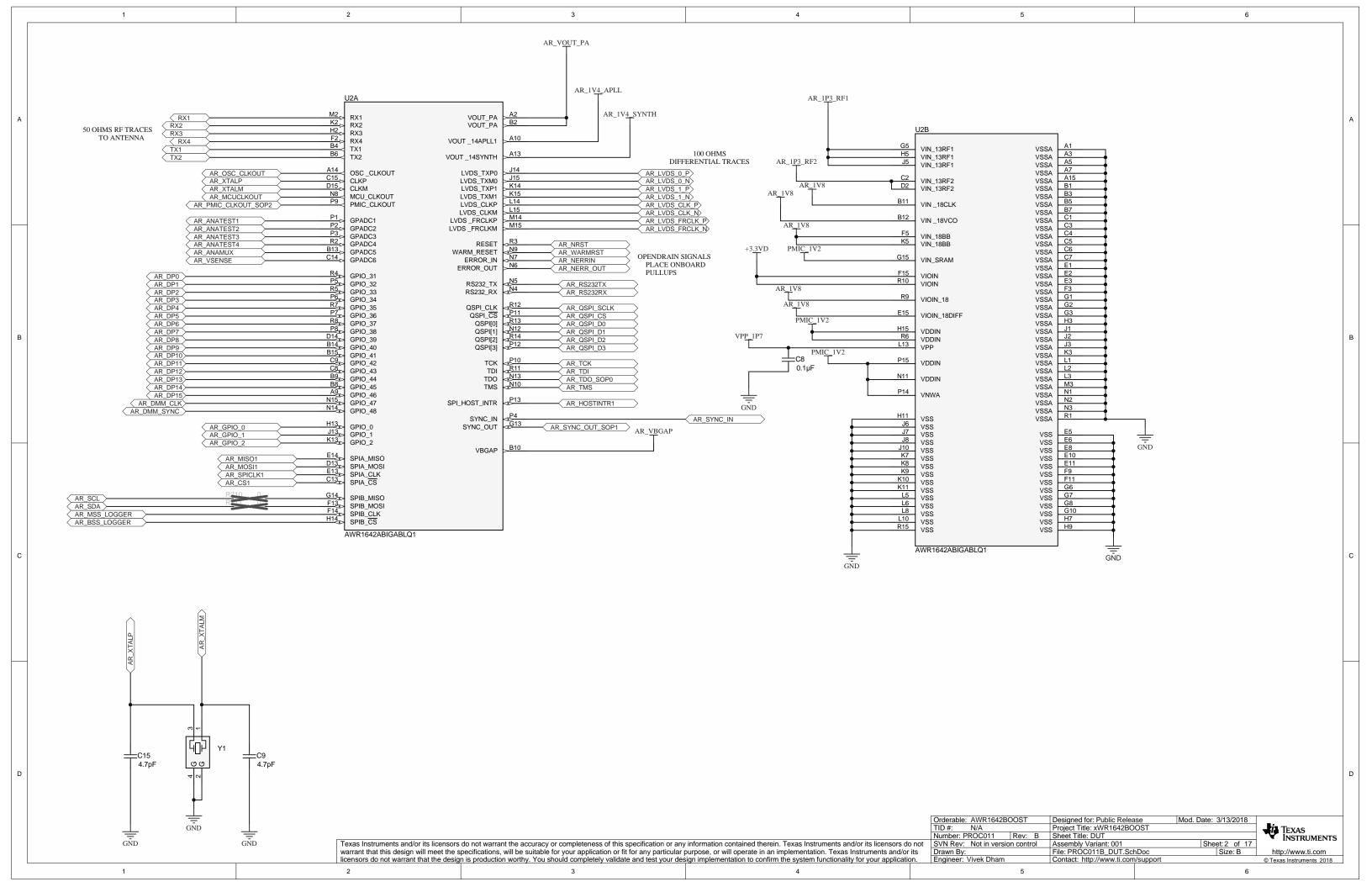
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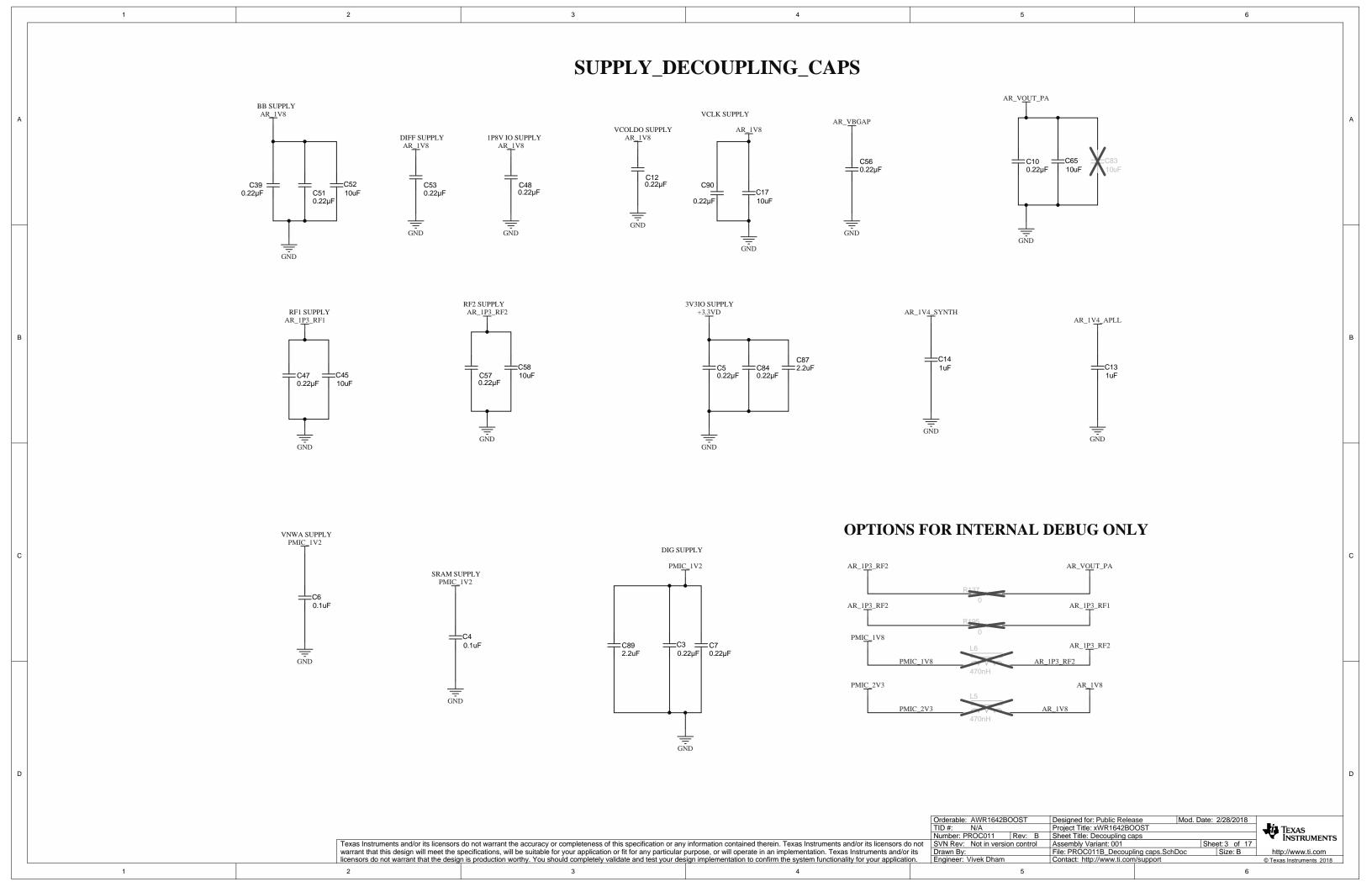
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TID#: N/A
Number: PROC011 | Rev: B

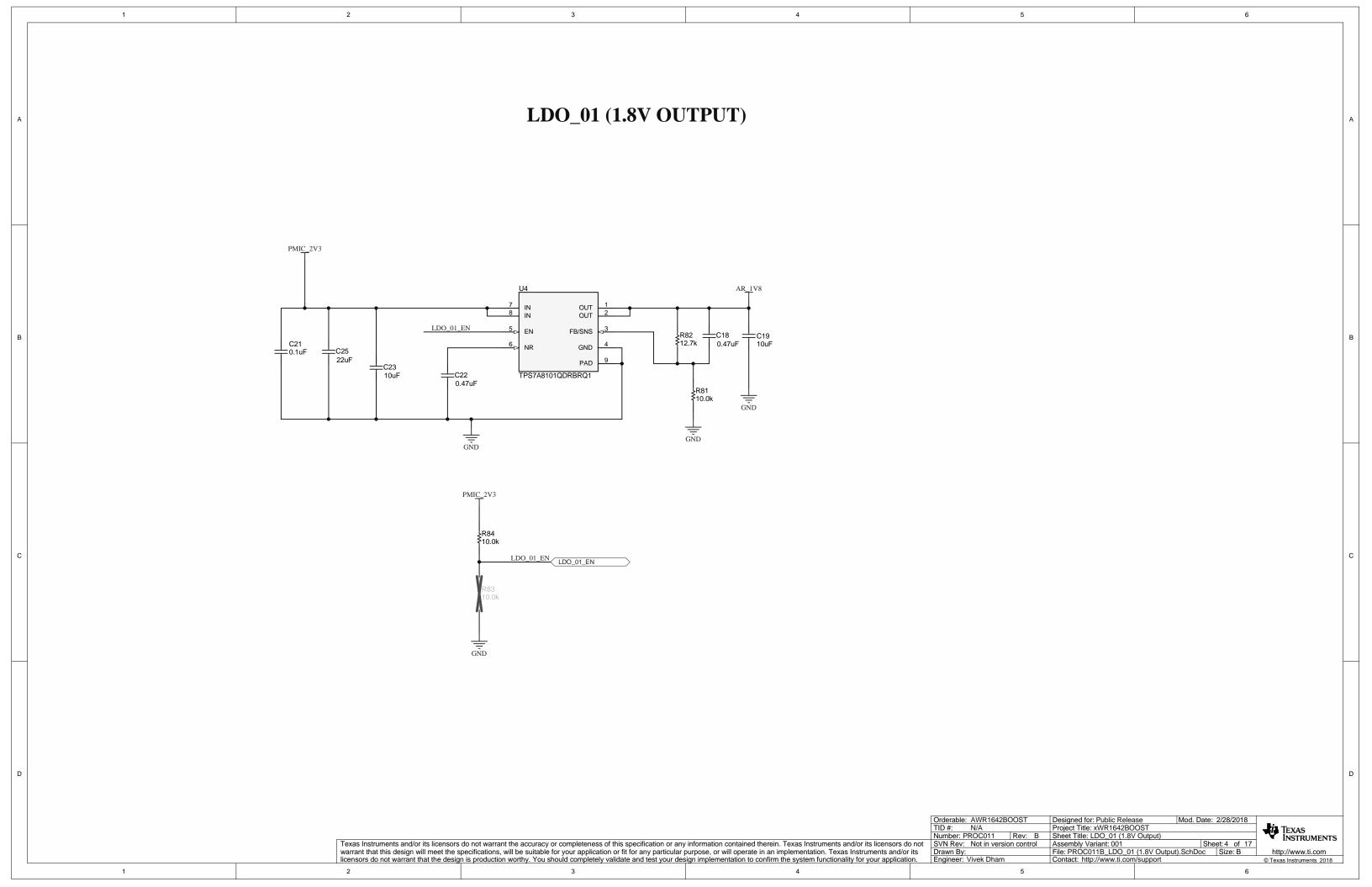
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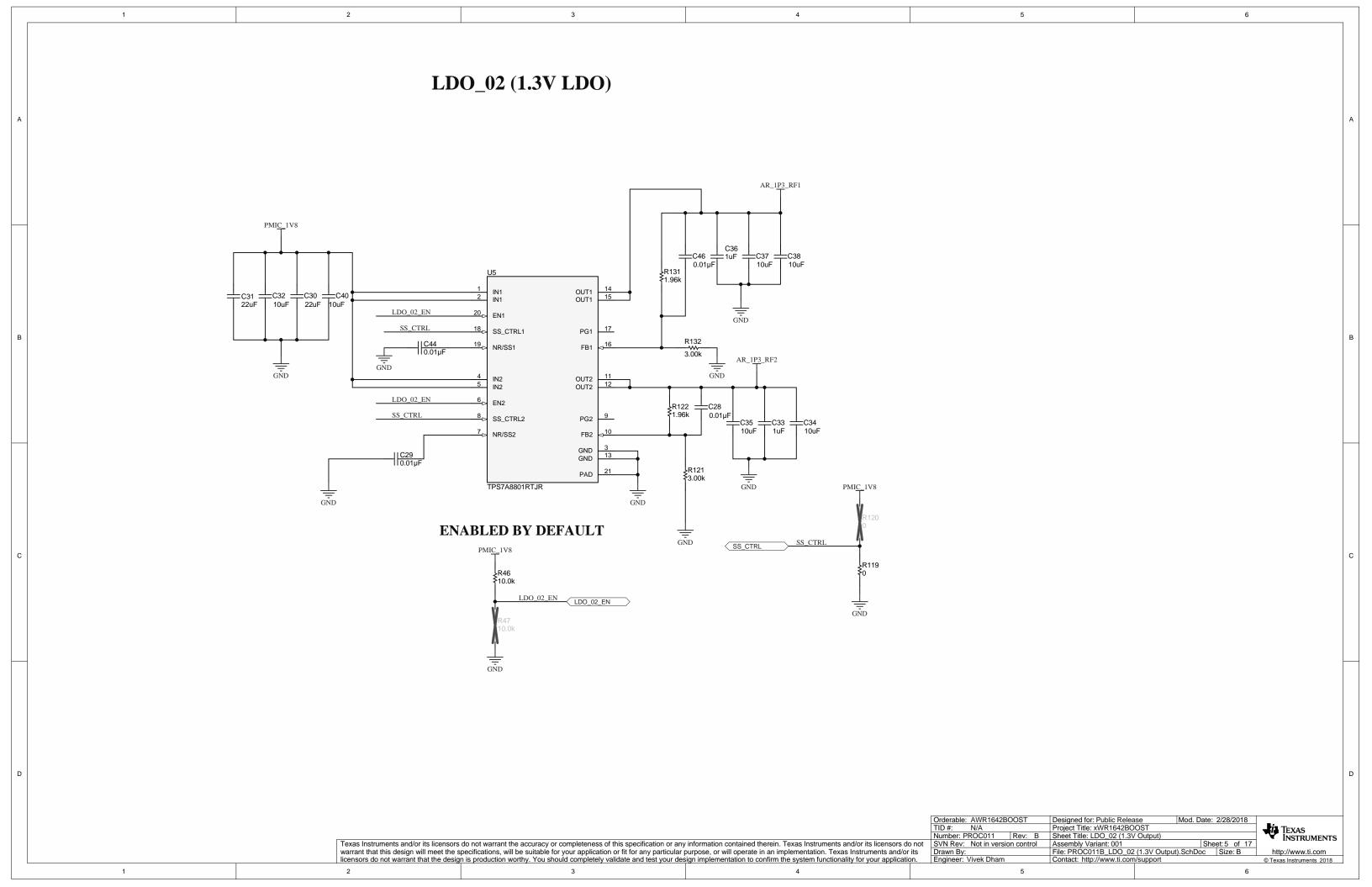
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TID#: N/A
Number: PROC011 | Rev: B
SVN Rev: Not in version control
Drawn By:
Engineer: Vivek Dham

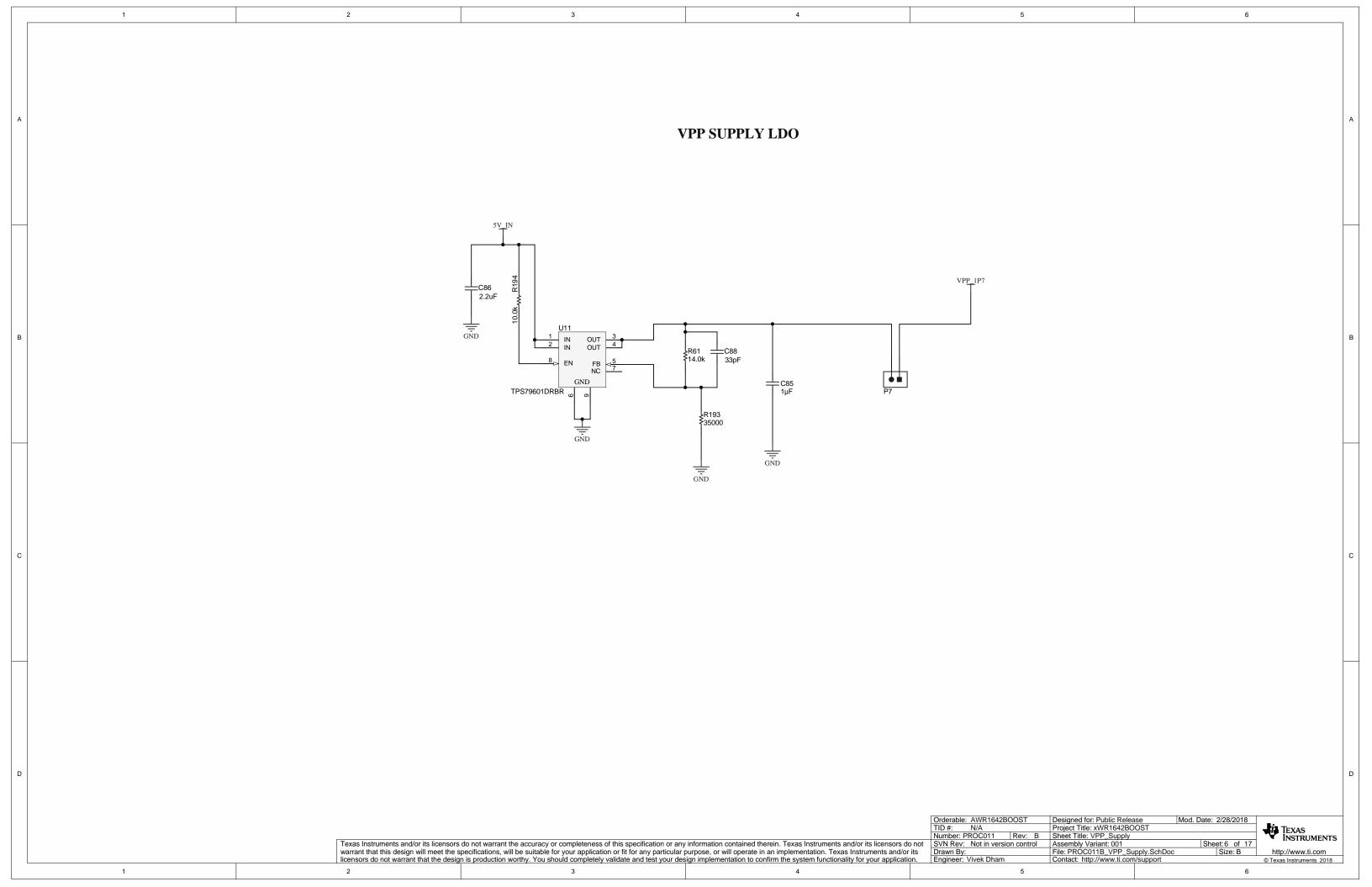
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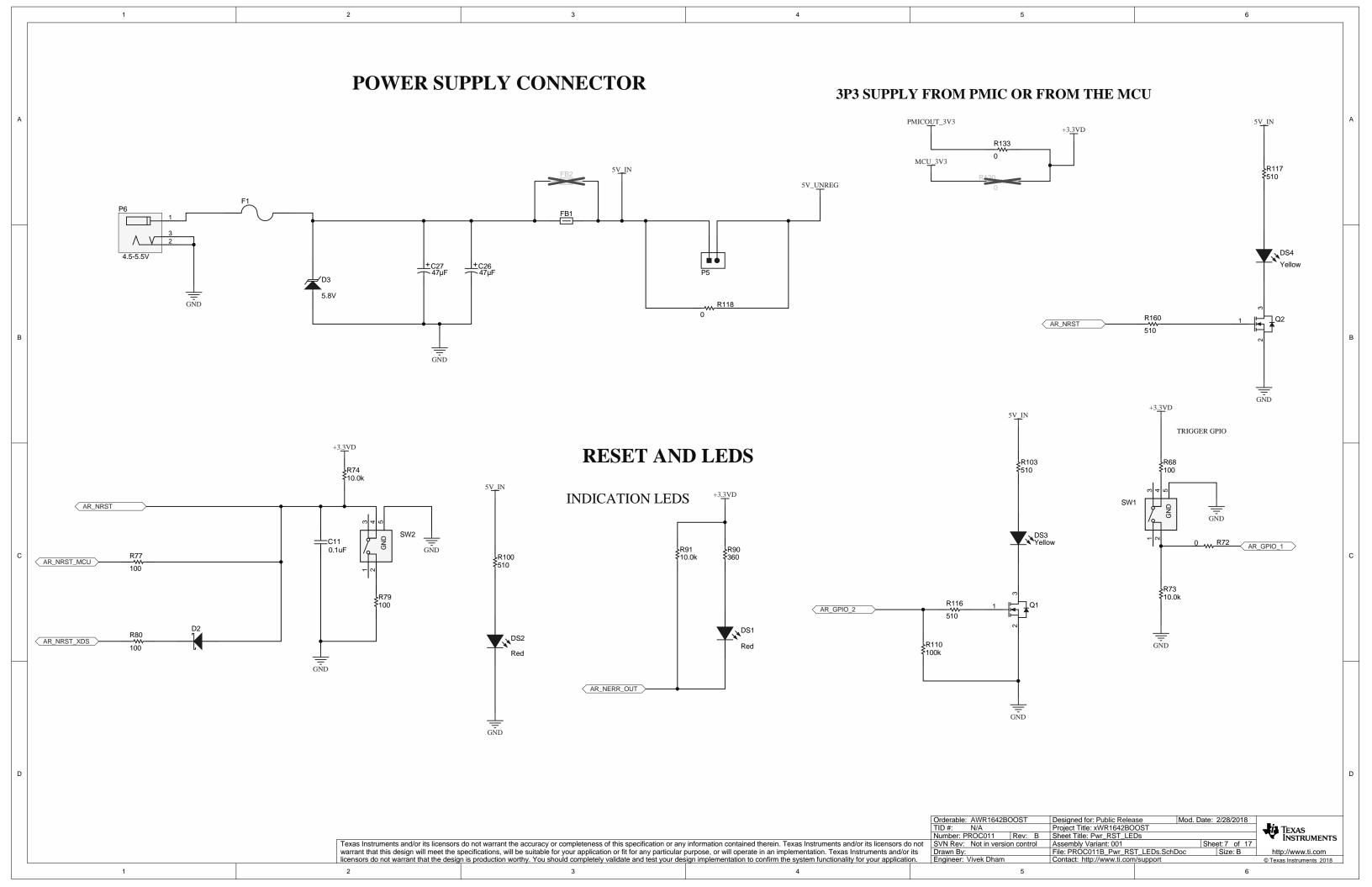


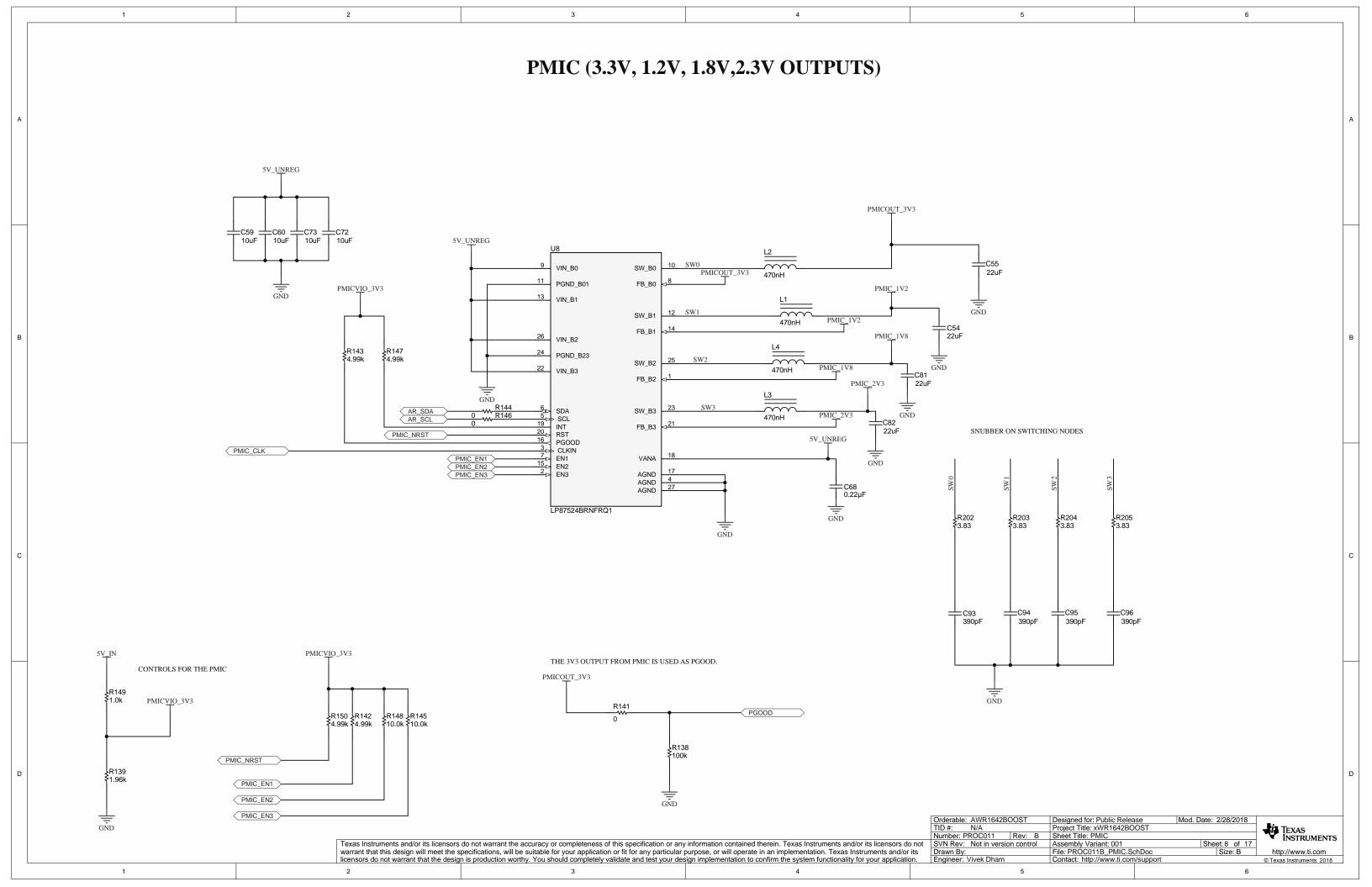


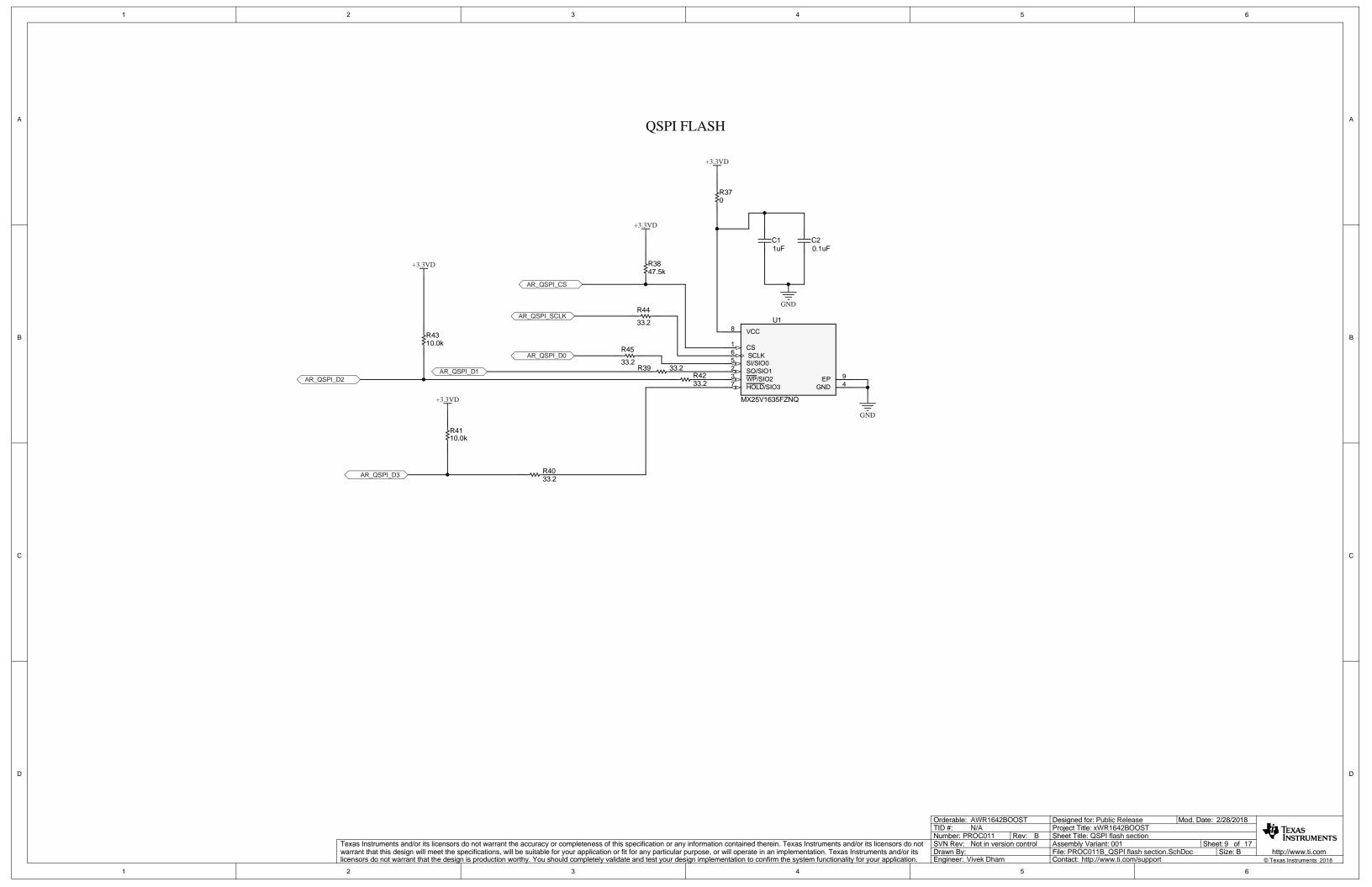


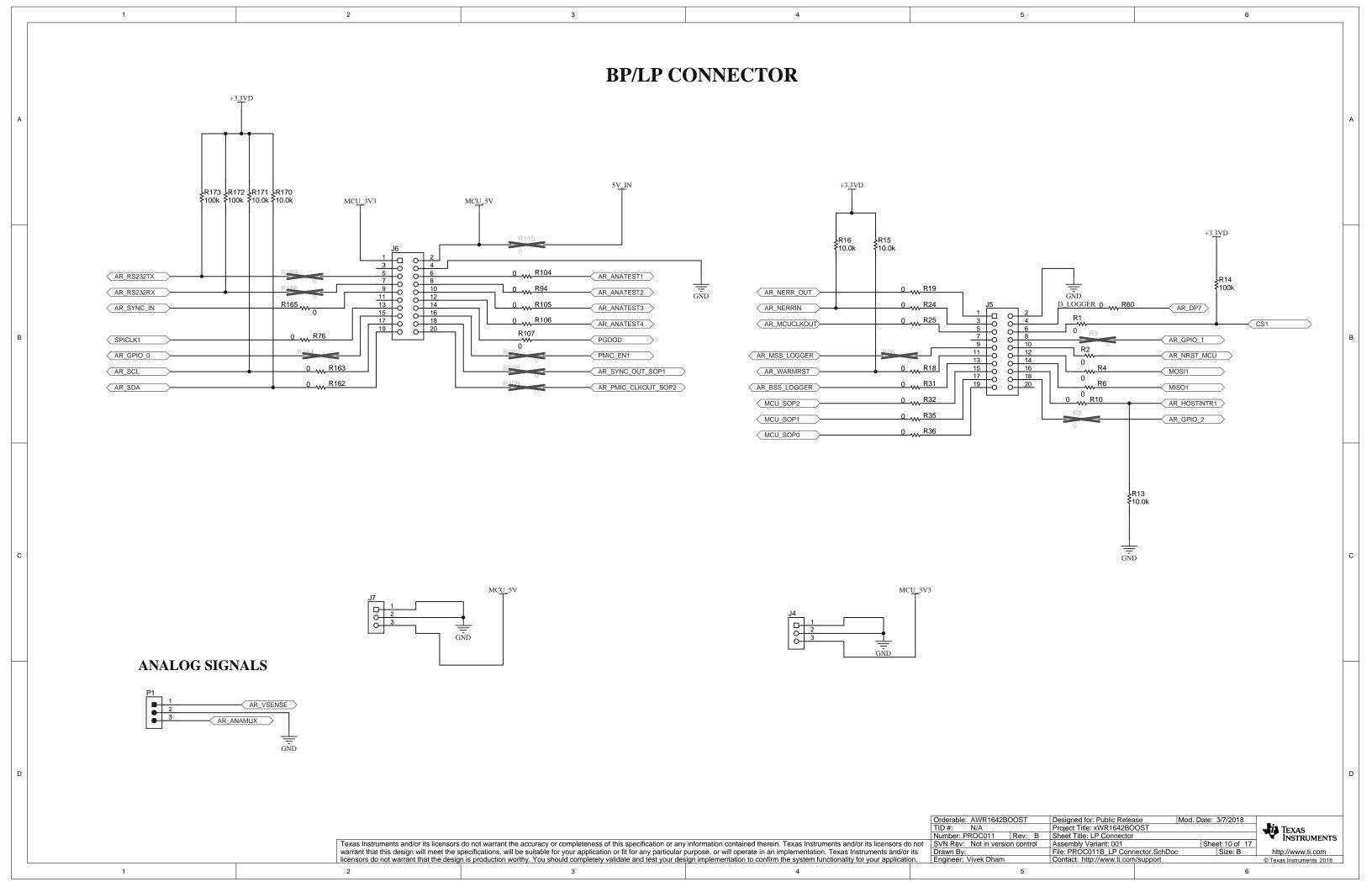


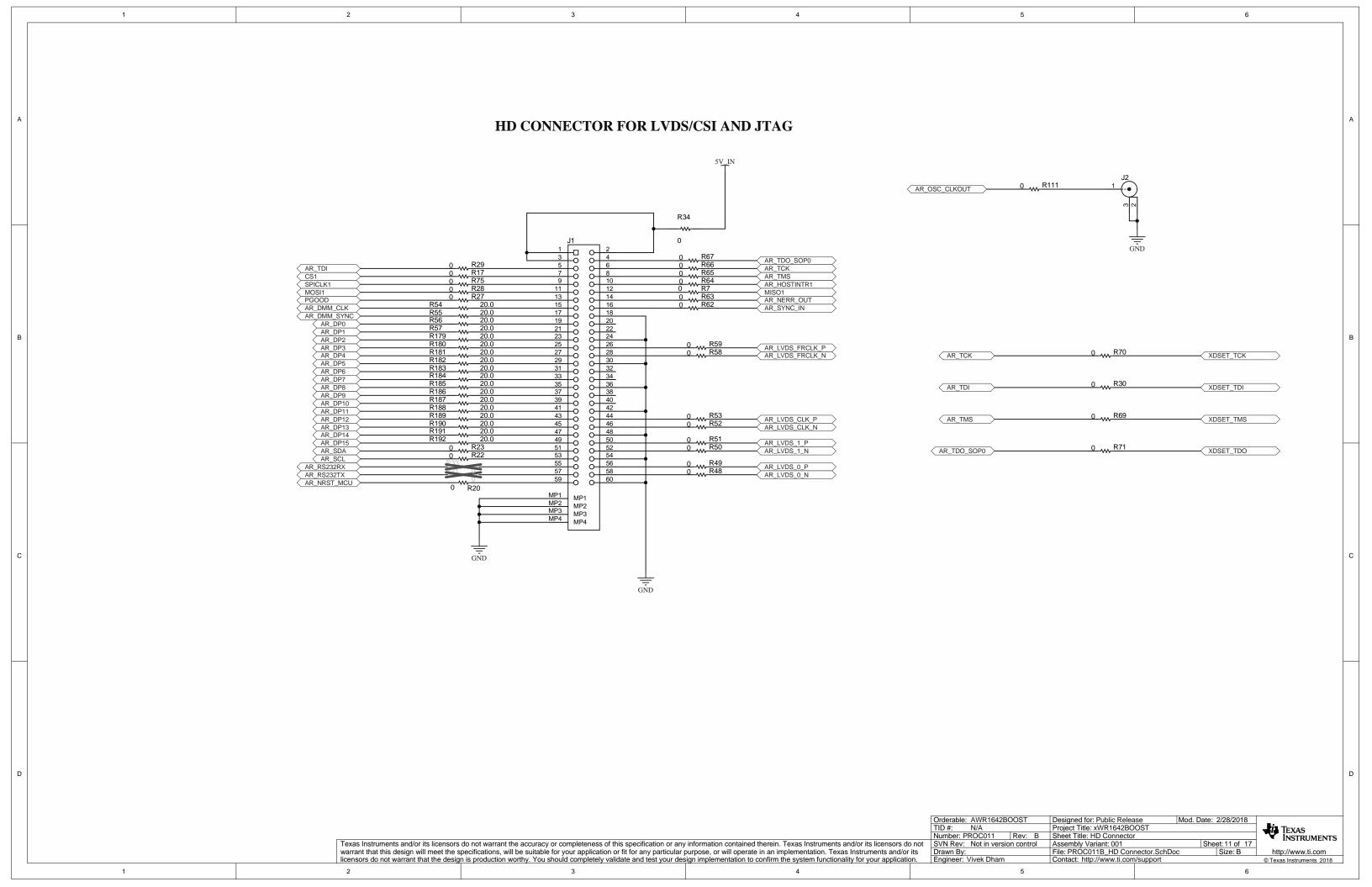


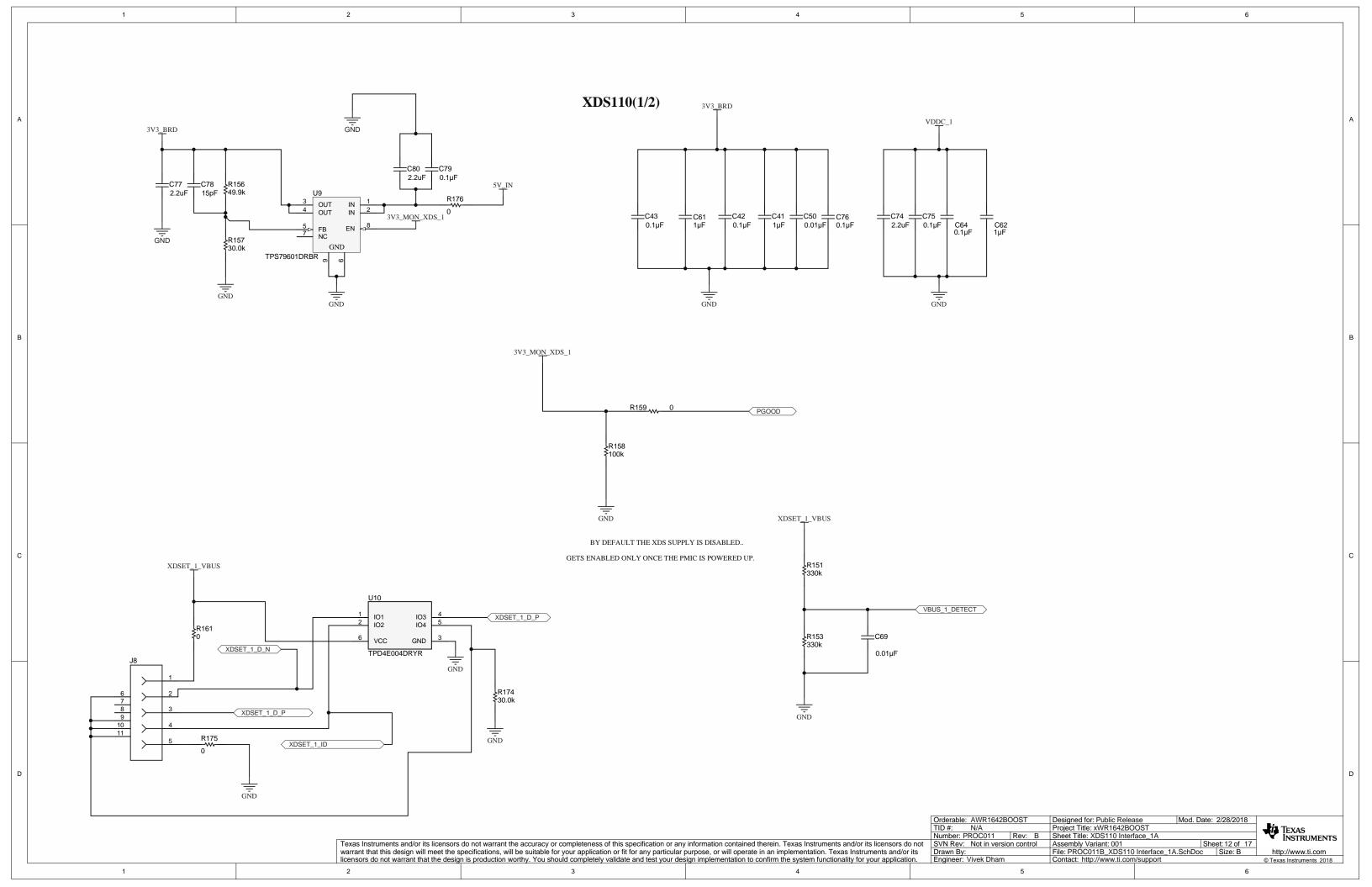


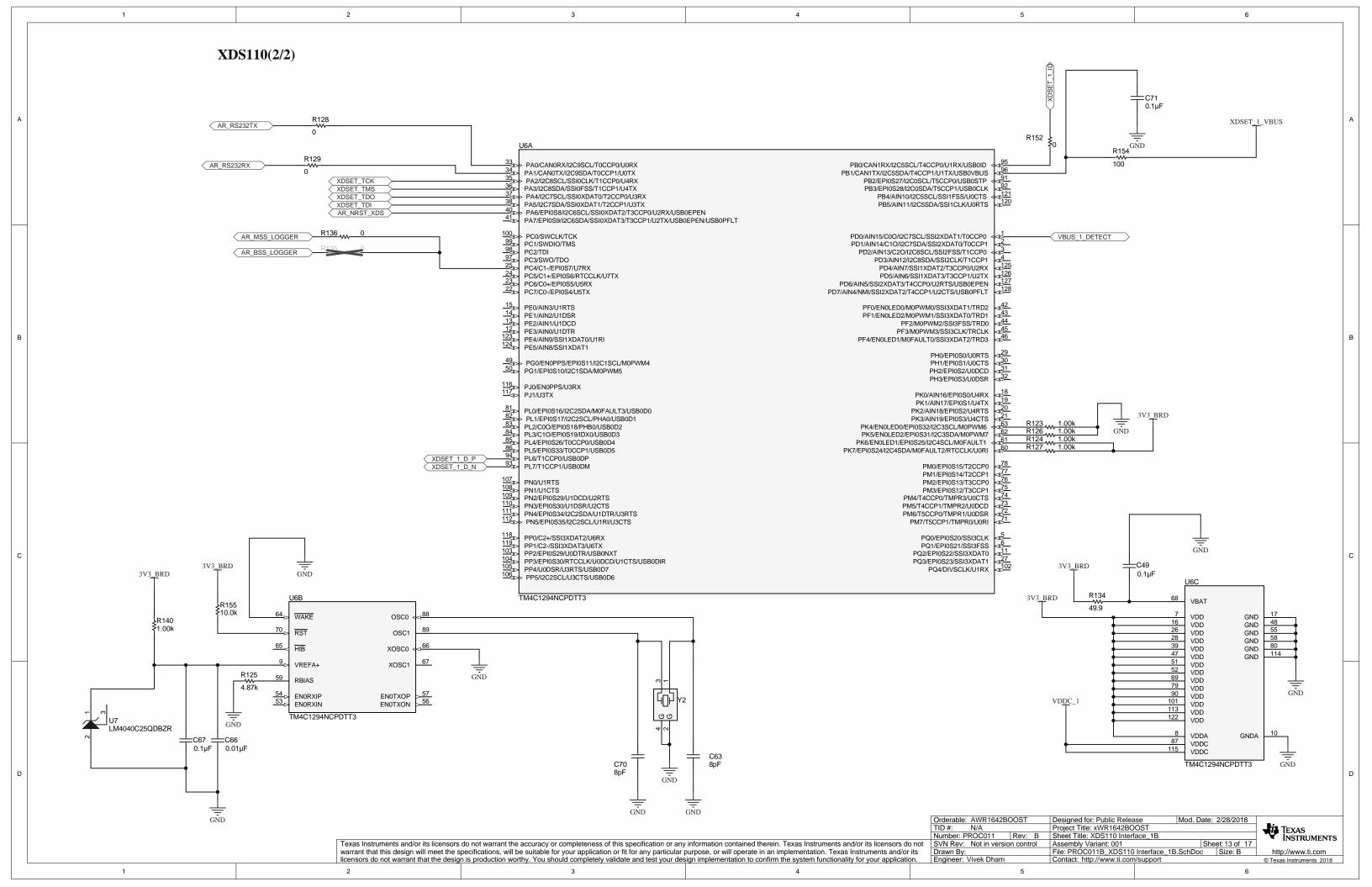


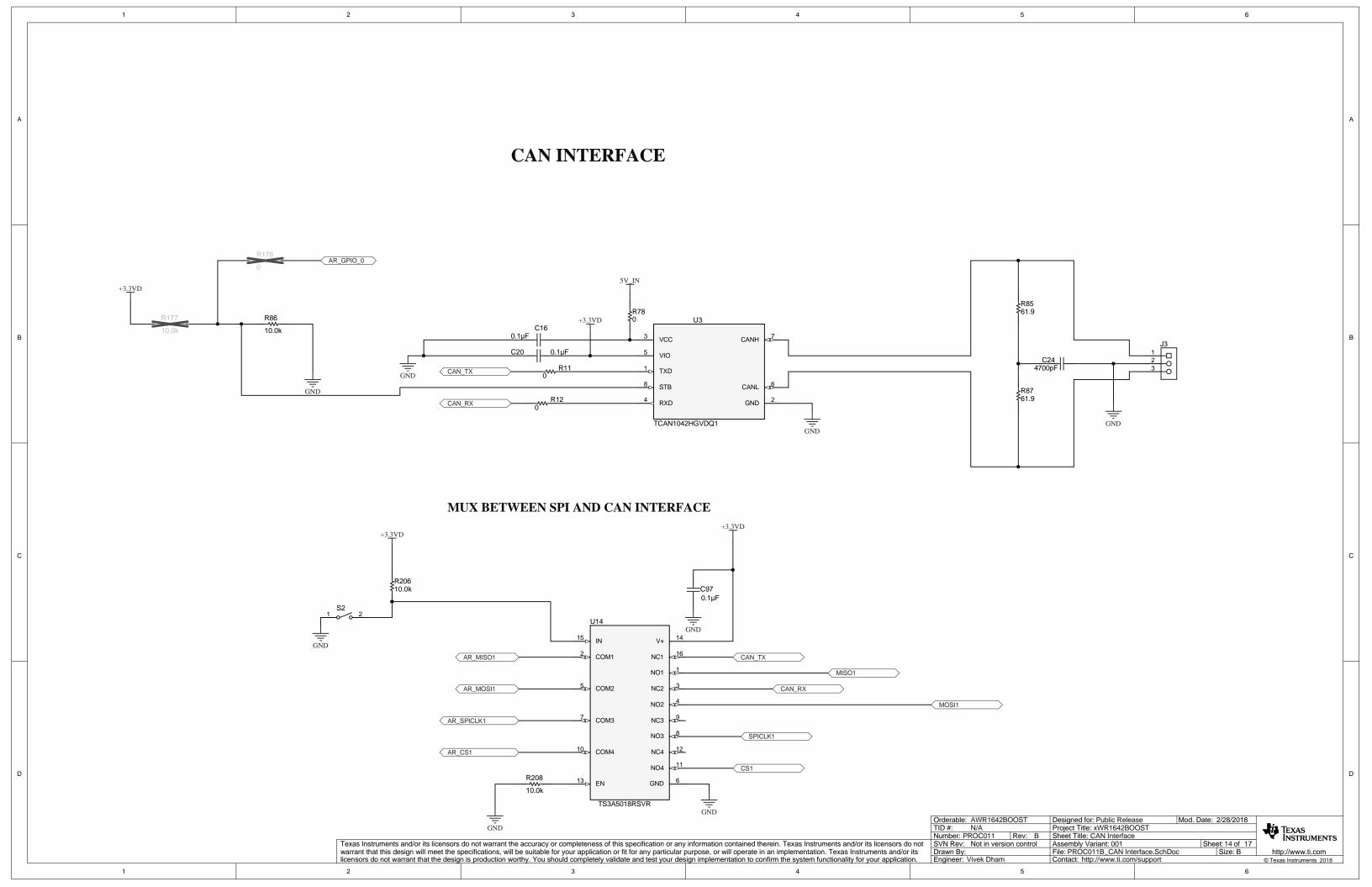


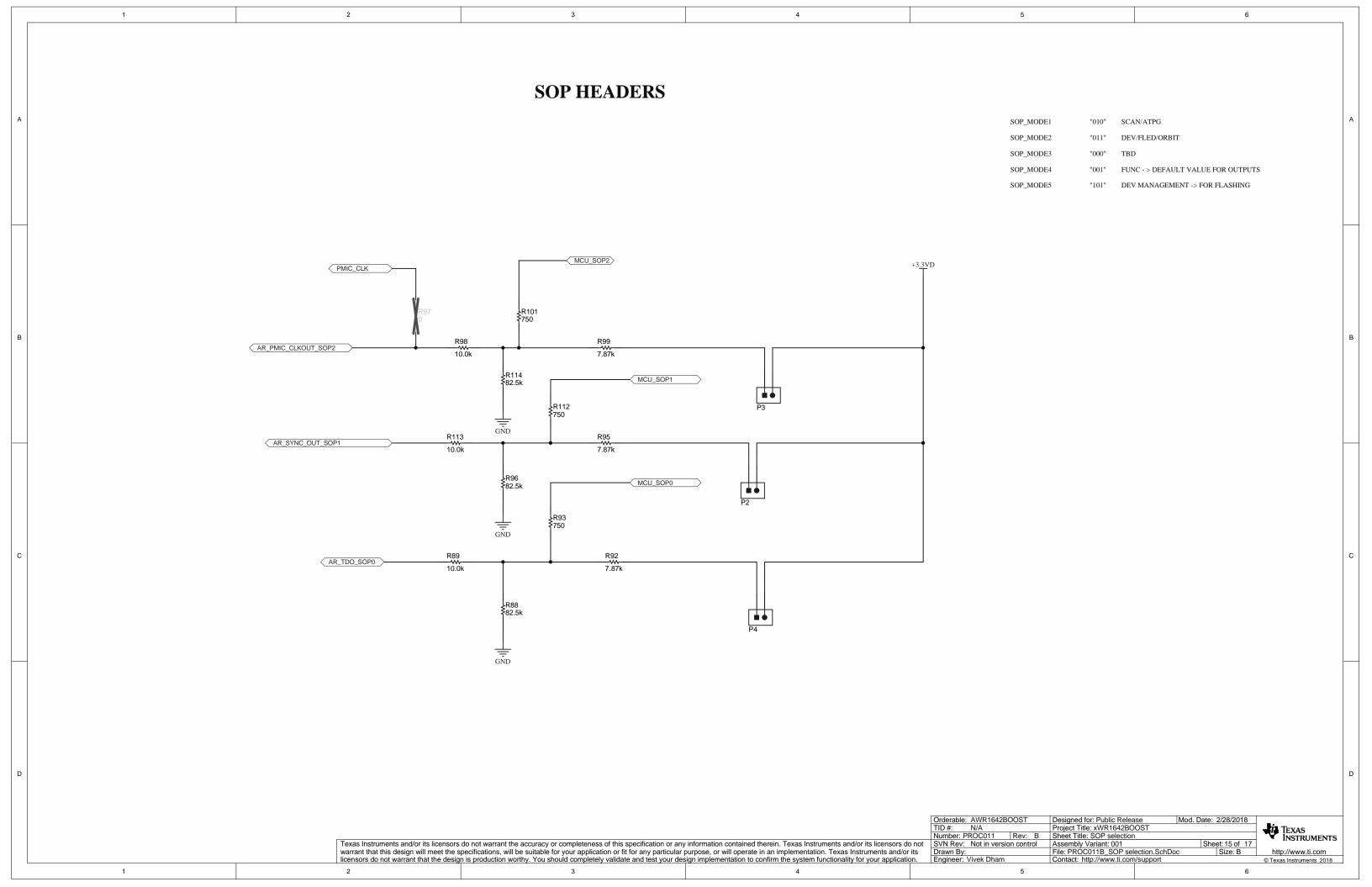










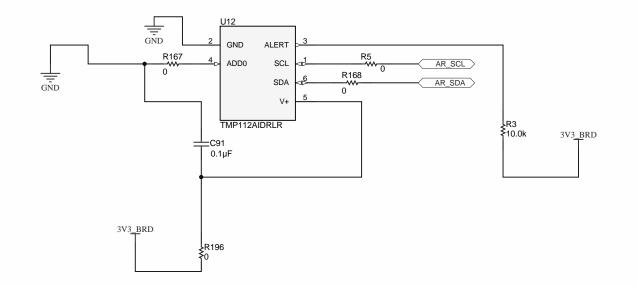


ONBOARD TEMP SENSORS

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

GND ALERT ADD0 SCL R199 R197 GND 0.1µF R200 ₹0 R201

DEFAULT I2C ADDRESS 0X48 TEMP SENSOR CLOSE TO PMIC



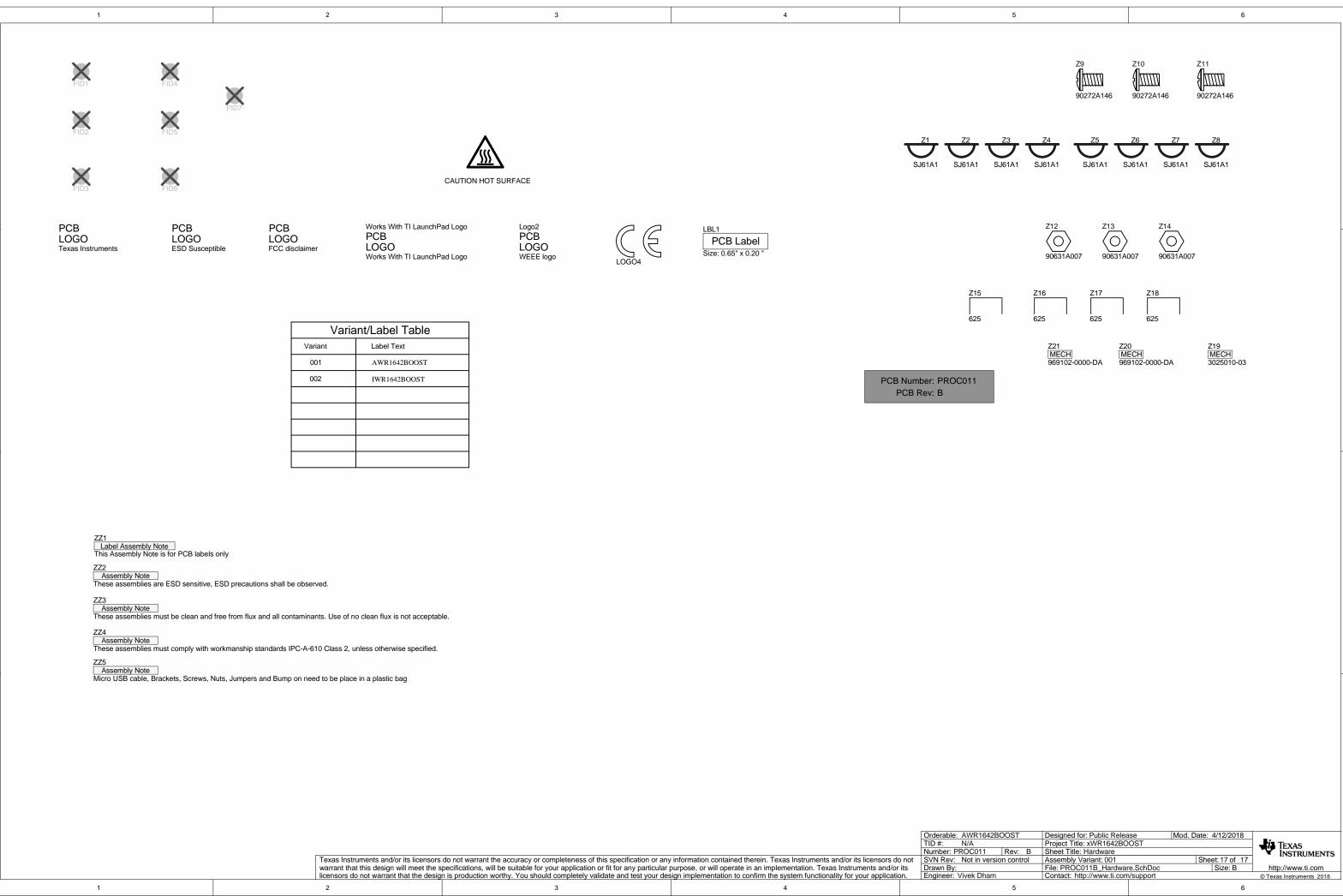
Orderable: AWR1642BOOS TID #: N/A Mod. Date: 2/28/2018 Sheet Title: Tempsensor Assembly Variant: 001
File: PROC011B_Tempsensor.SchDoc http://www.ti.com

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2 Indicators: AWR1642BOOST TID #: N/A Number: PROC011 Rev: B SVN Rev: Not in version control Drawn By:

| Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: | Drawn By: |

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