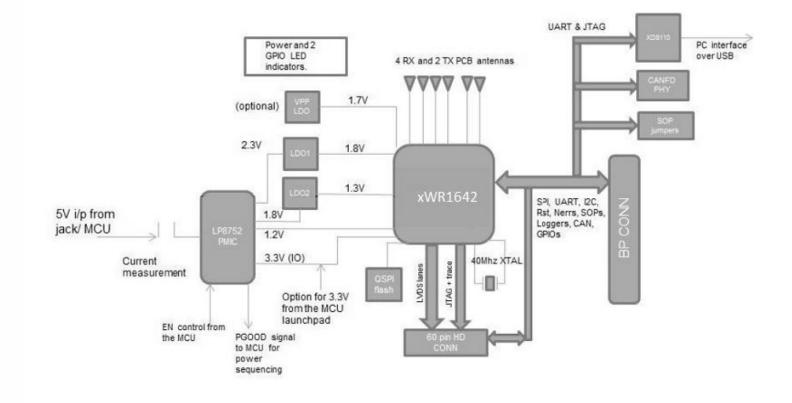
	Revision History				
Rev	ECN#	Approved Date	Approved by	Notes	]
В	1	22/01/2018	Vivek dham	ADDED SWITCH CONTROL TO MOVE between SPI and CAN interface	]
В	2	22/01/2018	Vivek dham	Enabled by default the 5V supply from the 60pin HD connector.	l
В	3	22/01/2018	Vivek dham	Enabled by default the SYNC_IN signal connection to J6 connector	Ī
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.	l
В	7	23/02/2018	J Quintal	added Variant 002, U2, PCB Label, revised AWR1642 to xWR1642	1
С	1	28/05/2020	Adrian Ozer	Updated C56 from 0.22uF to 22nF	Ī

### **BLOCK DIAGRAM**

#### xWR1642BOOST TABLE OF CONTENTS

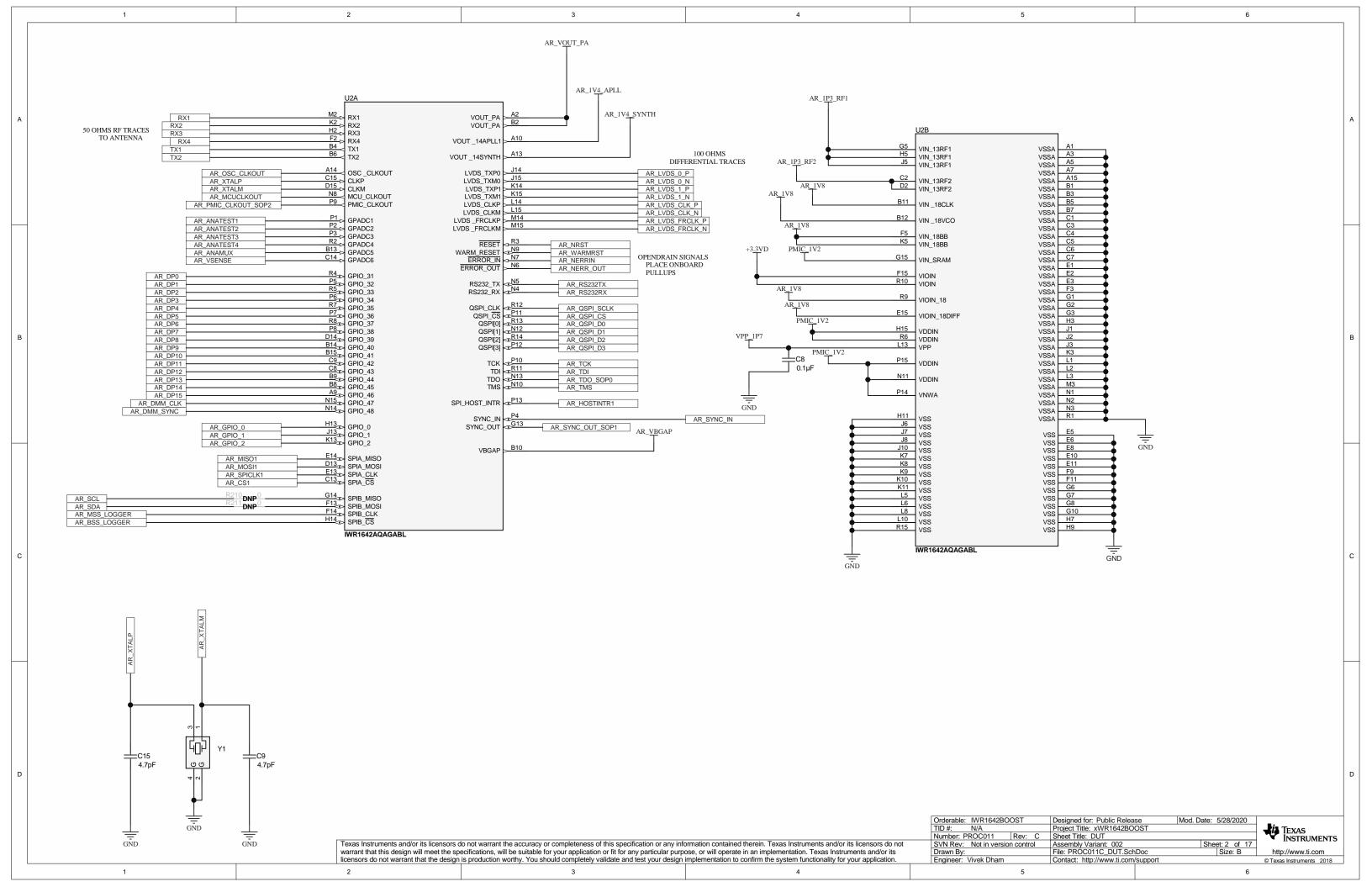
SHEET NO.	SHEET NAME
1	PROC011C_COVERSHEET
2	PROC011C_DUT
3	PROC011C_Decoupling caps
4	PROC011C_LDO_01 (1.8V Output)
5	PROC011C_LDO_02 (1.3V Output)
6	PROC011C_VPP_Supply
7	PROC011C_Pwr_RST_LEDs
8	PROC011C_PMIC
9	PROC011C_QSPI flash section
10	PROC011C_LP Connector
11	PROC011C_HD Connector
12	PROC011C_XDS110 Interface_1A
13	PROC011C_XDS110 Interface_1B
14	PROC011C_CAN Interface
15	PROC011C_SOP selection
16	PROC011C_Tempsensor
17	PROC011C_Hardware

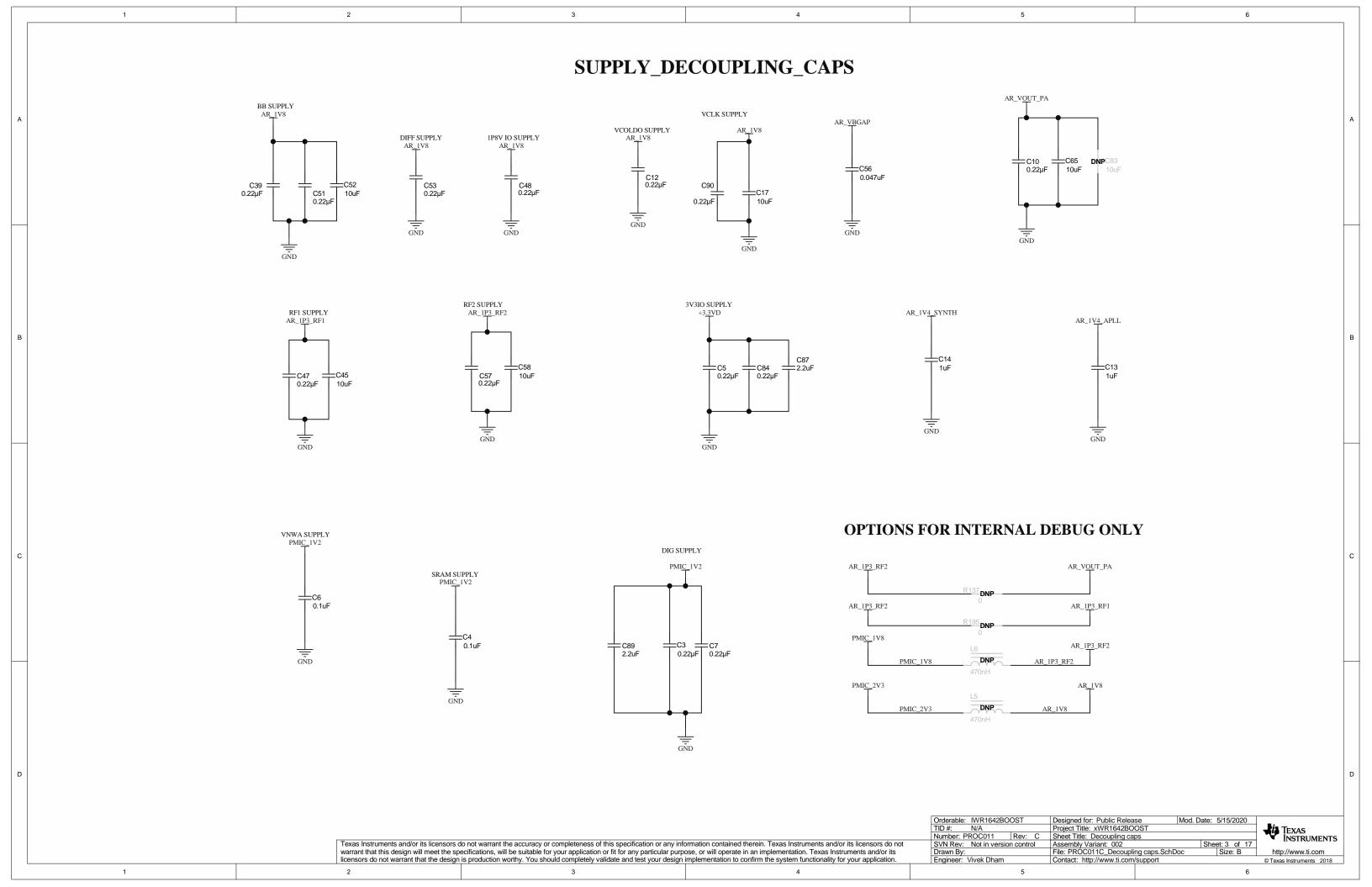


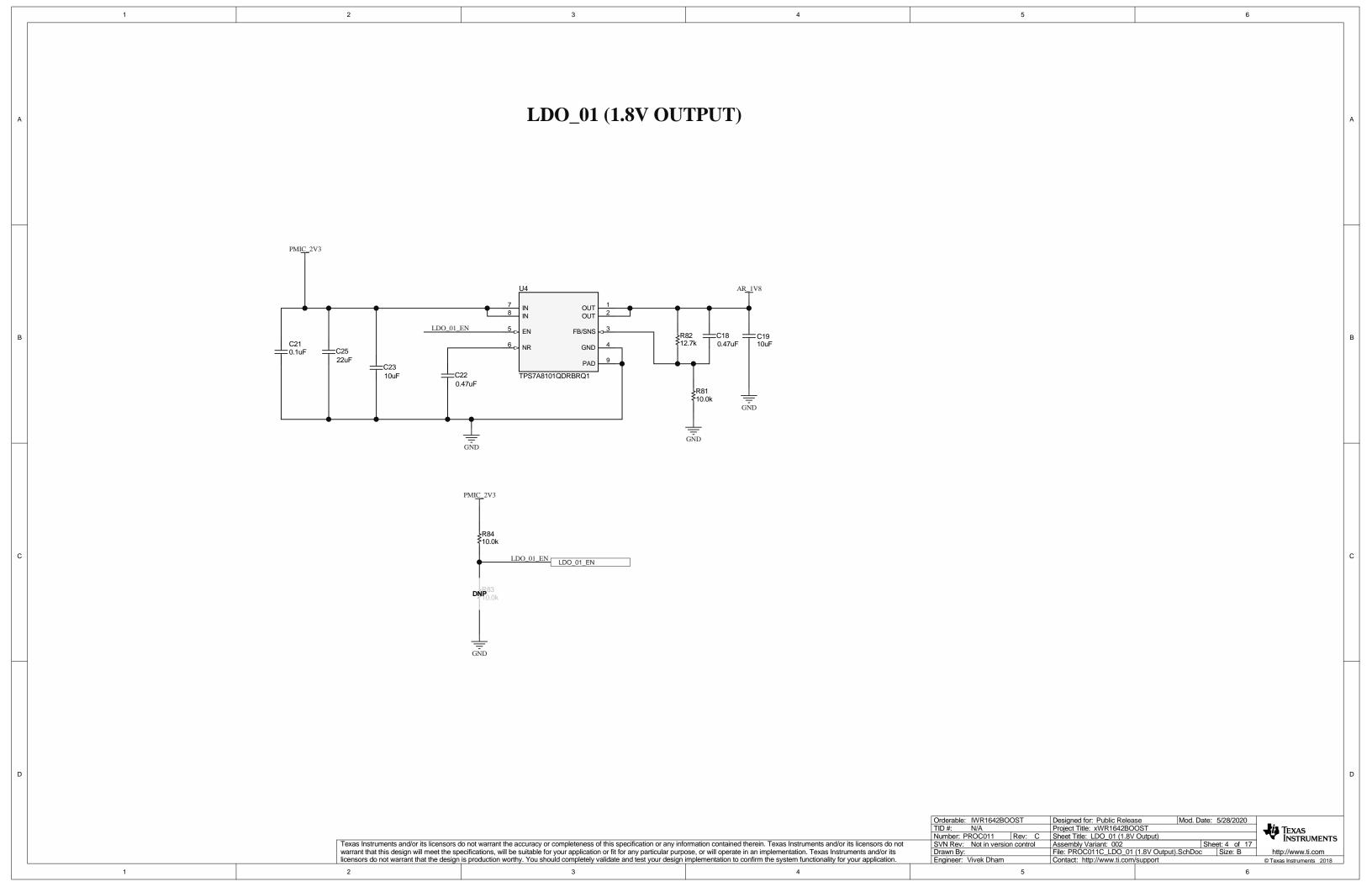
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File: PROC011C\_COVERSHEET.SchDoc

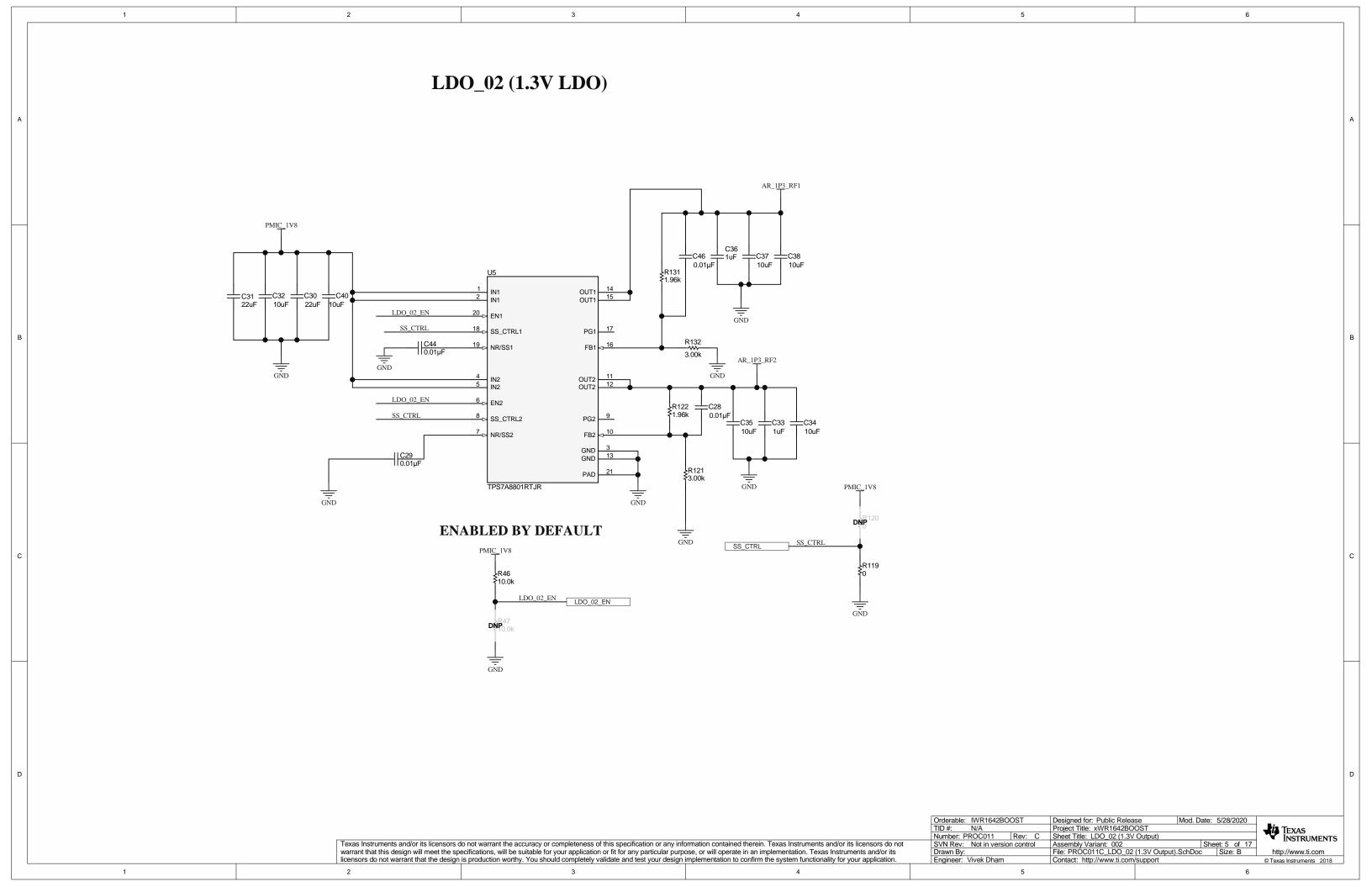
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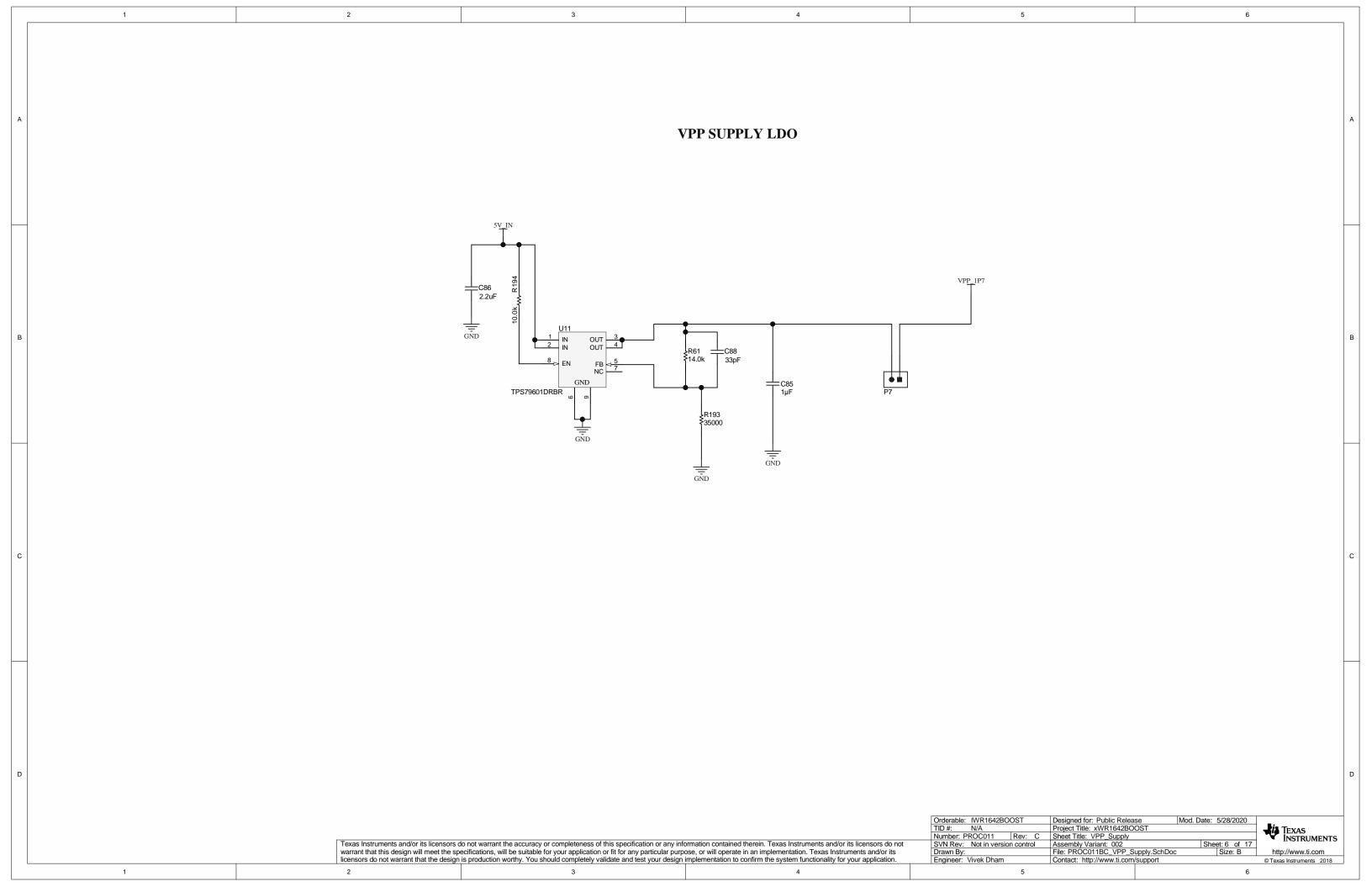
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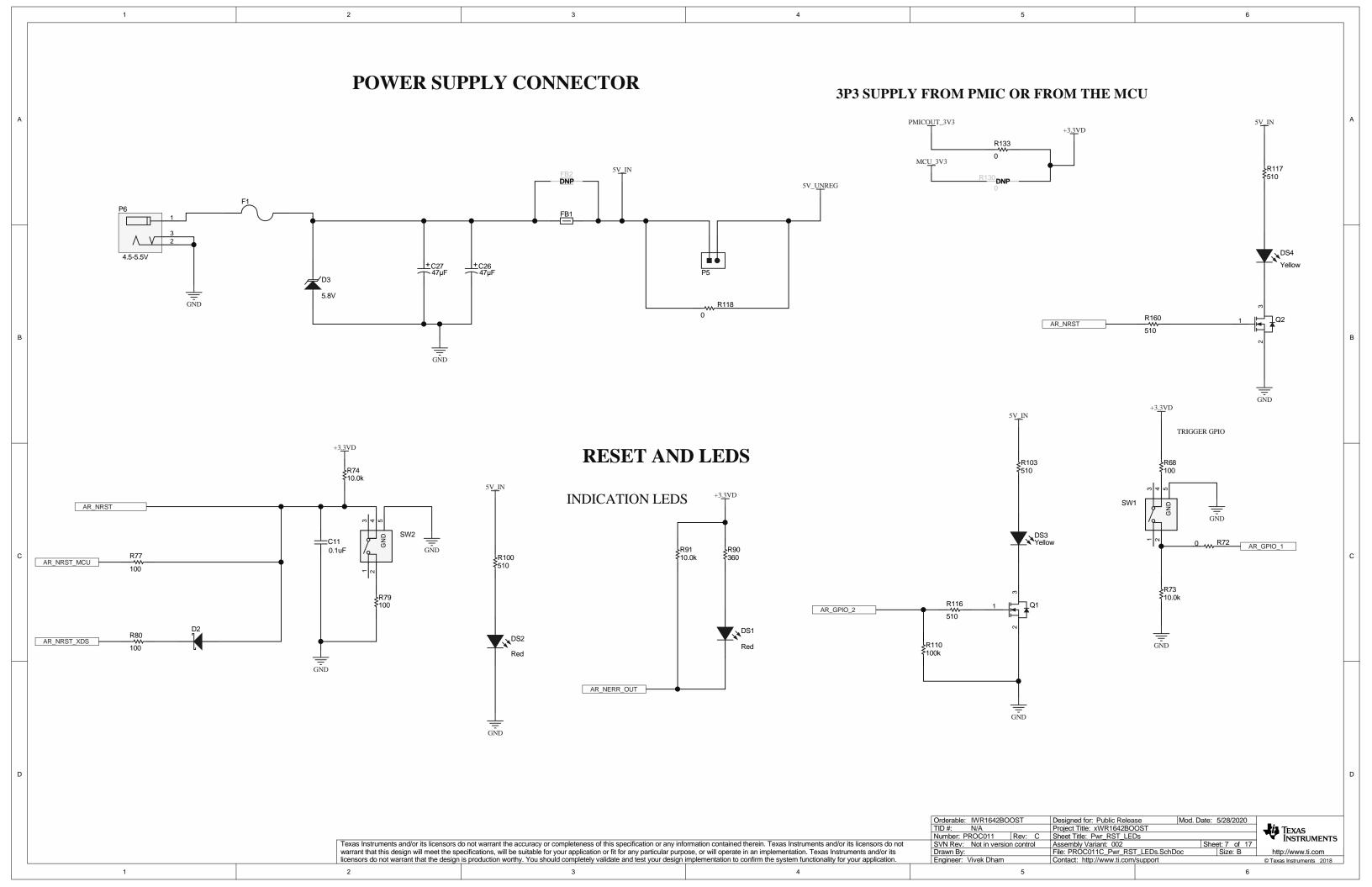


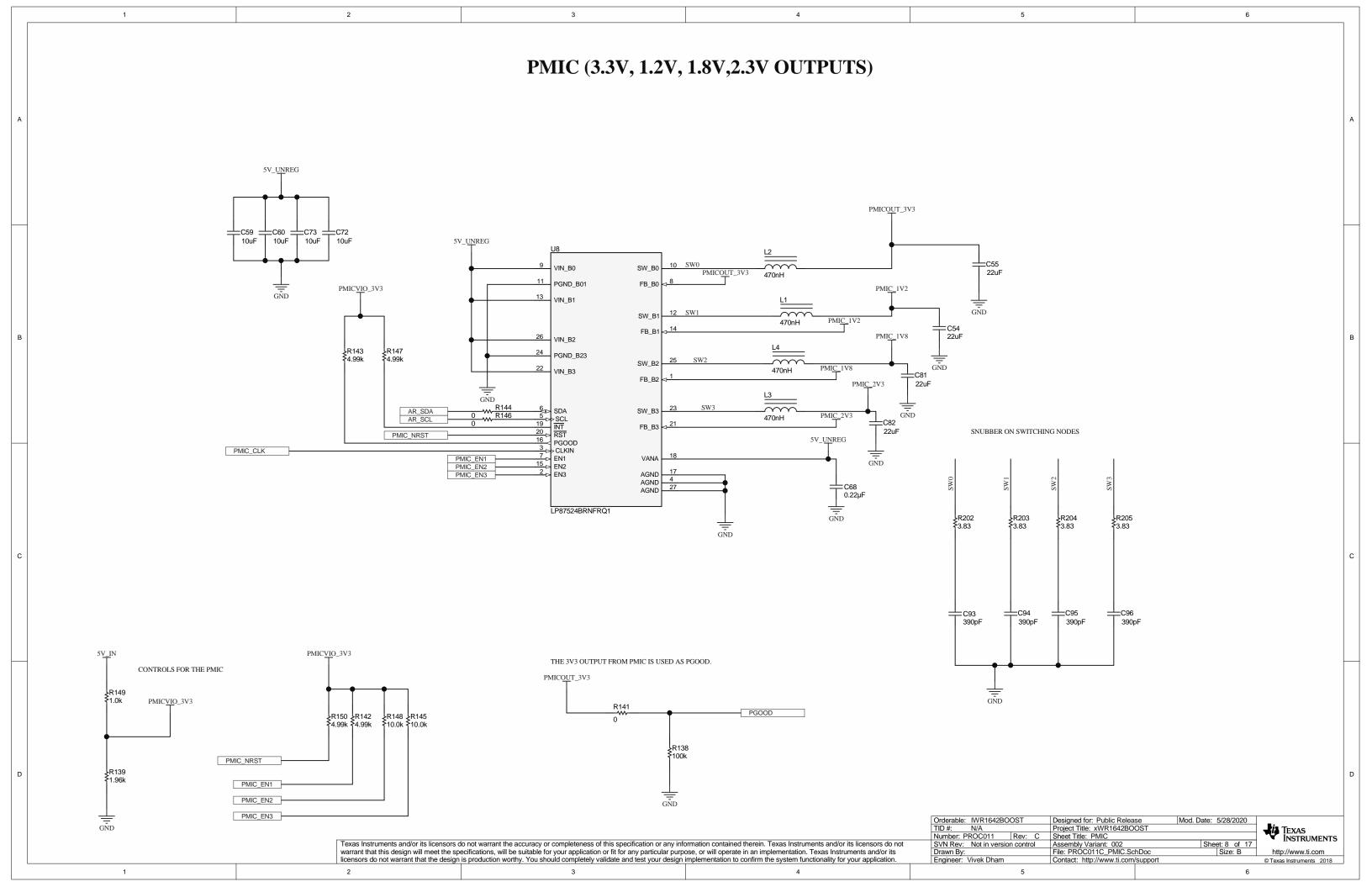


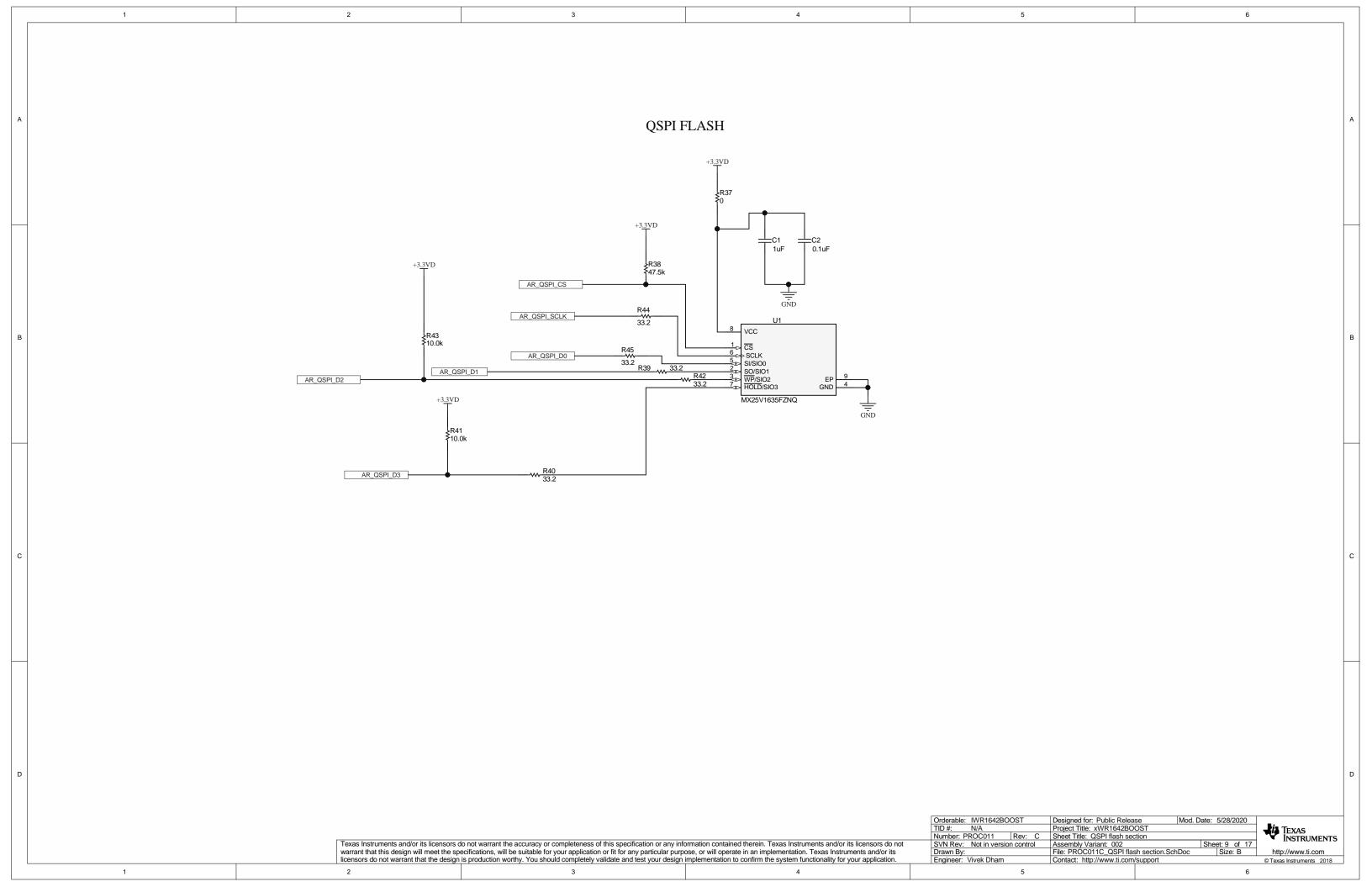


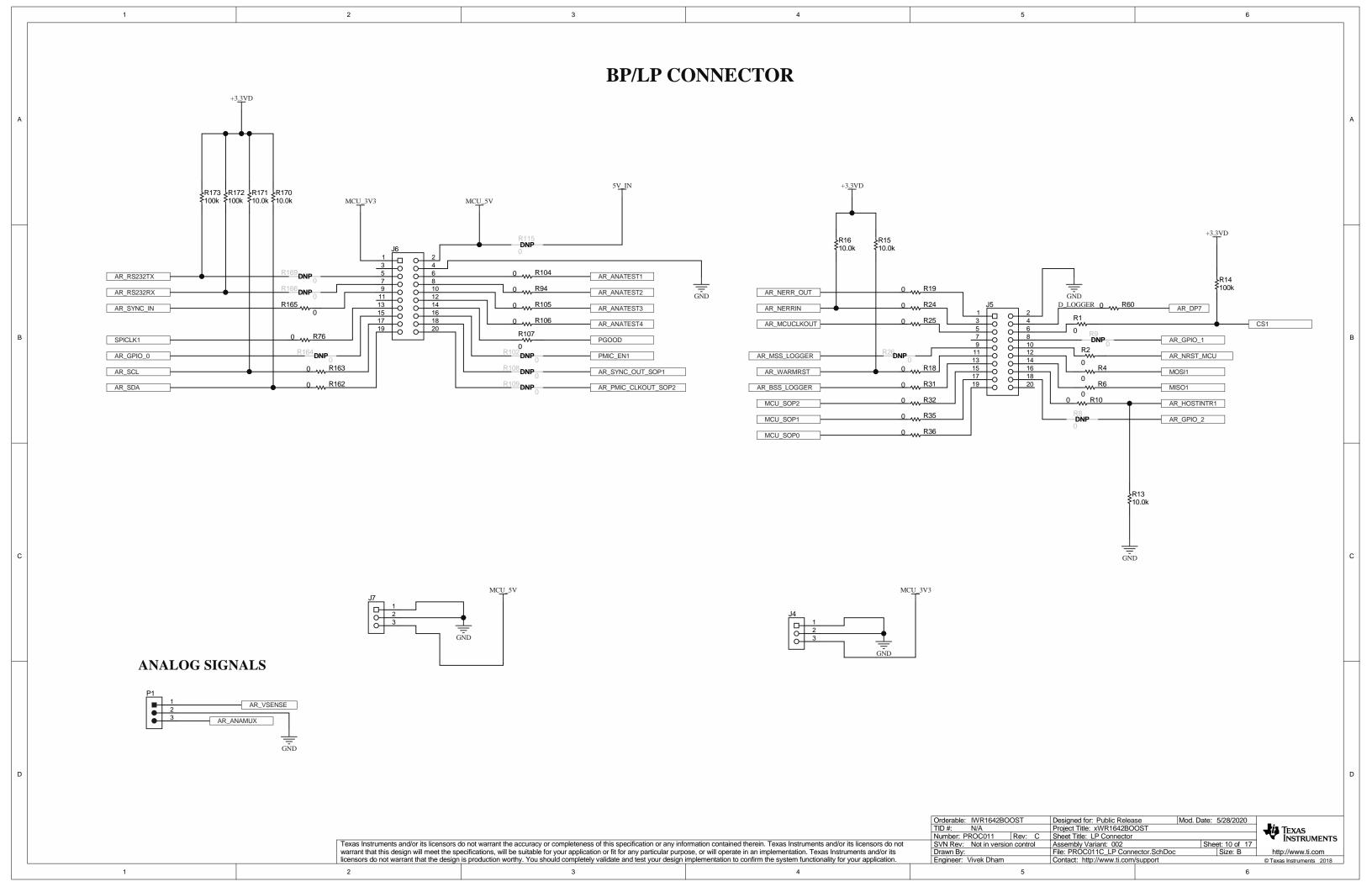


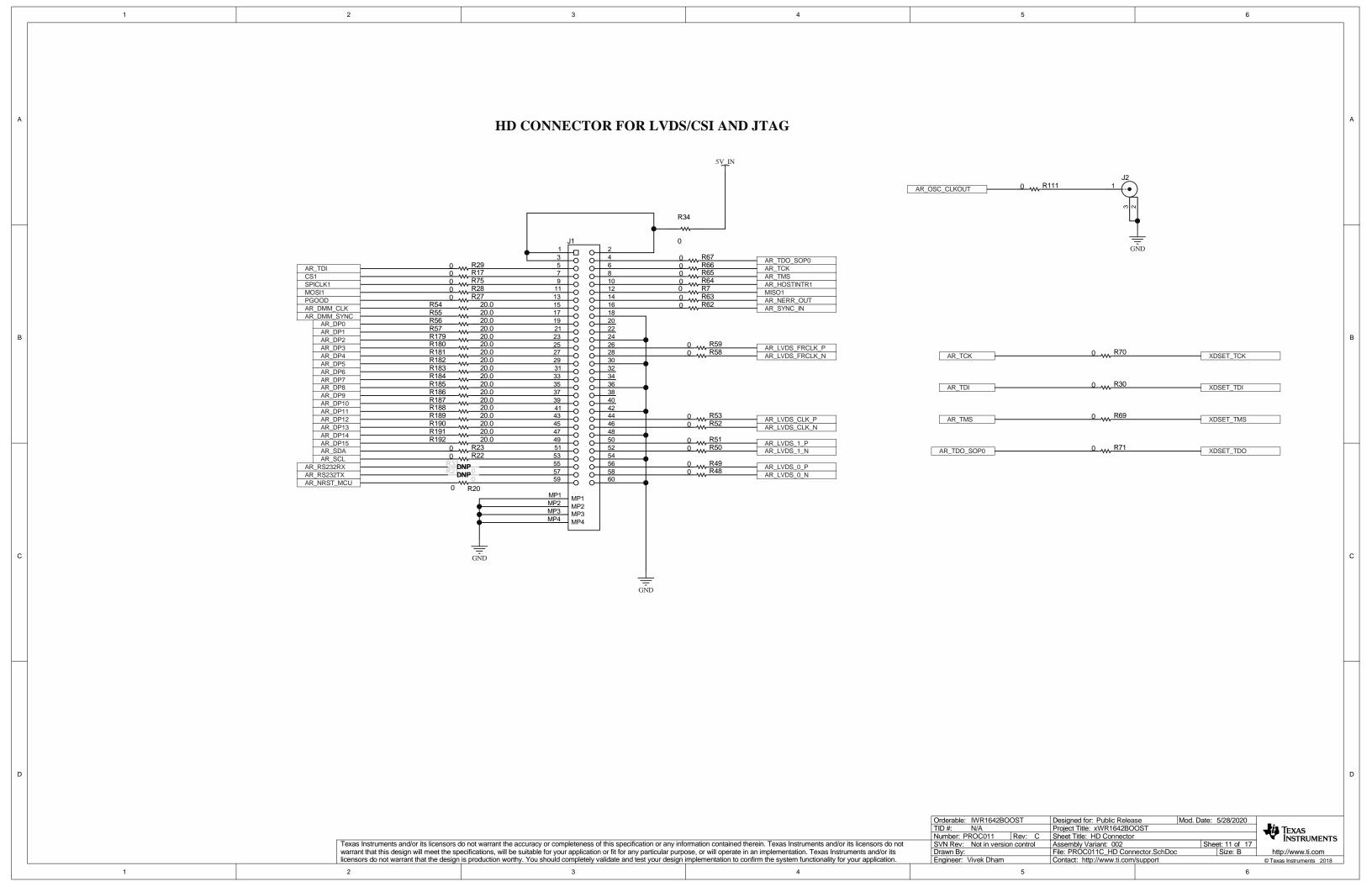


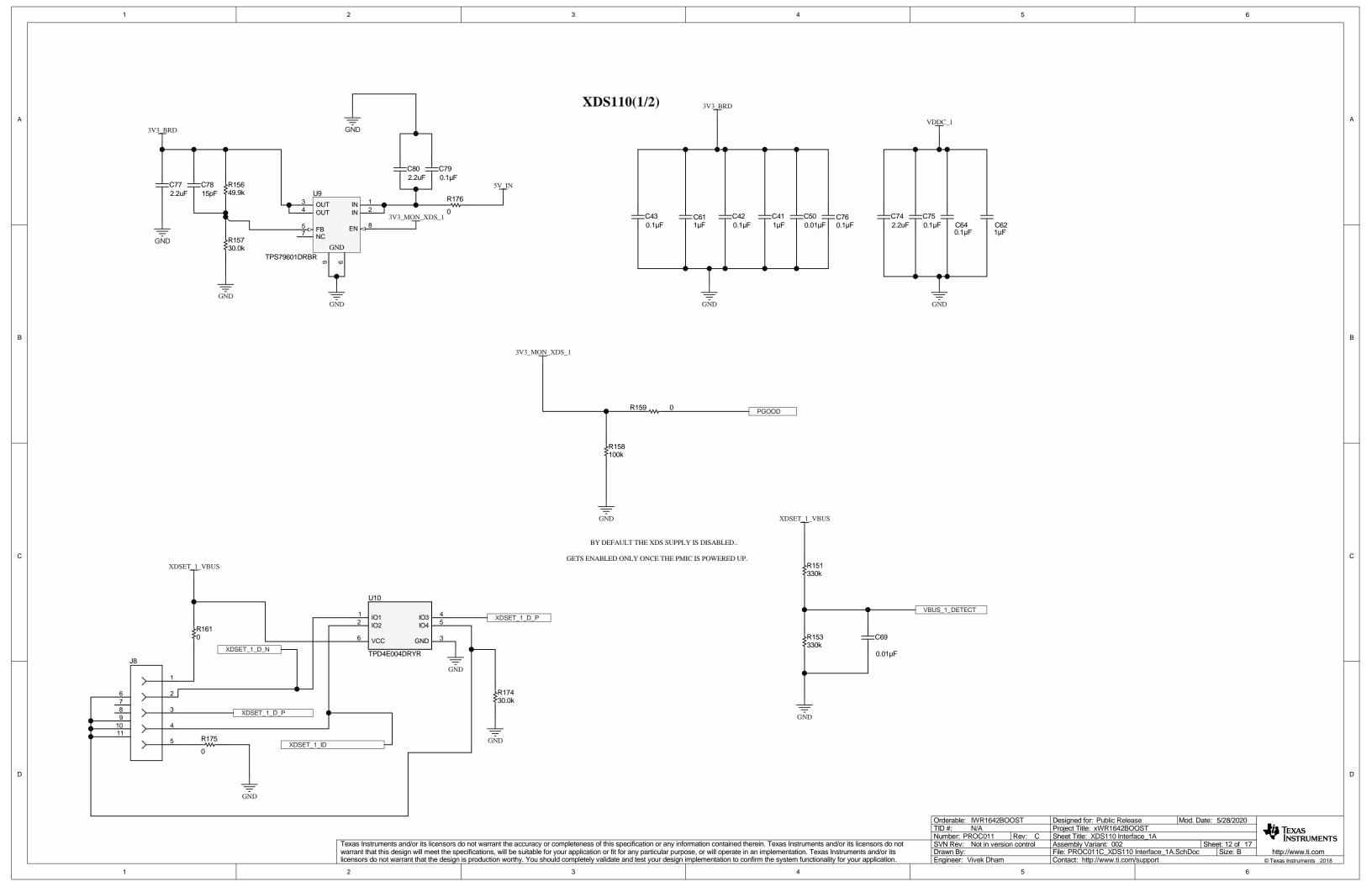


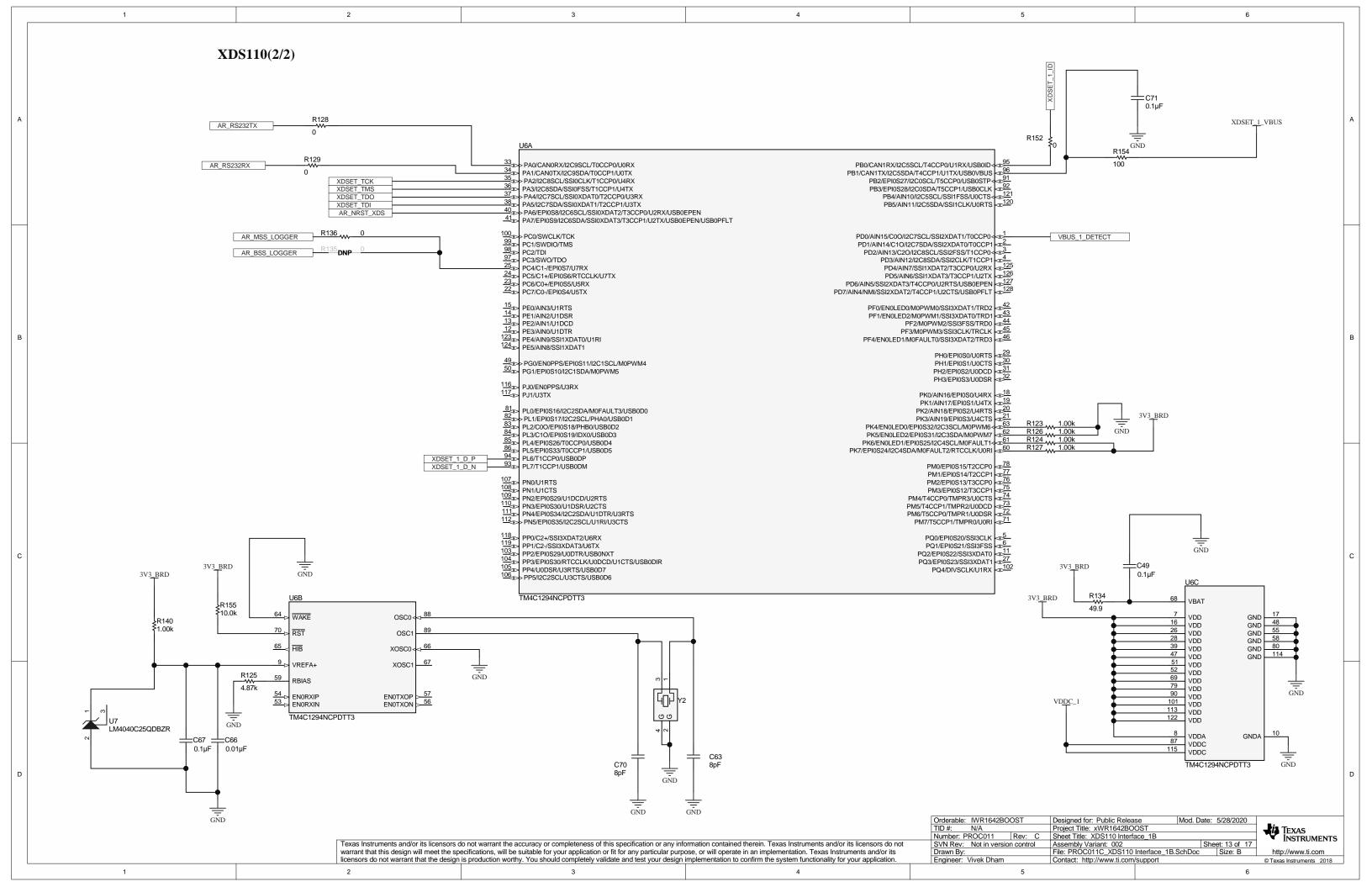


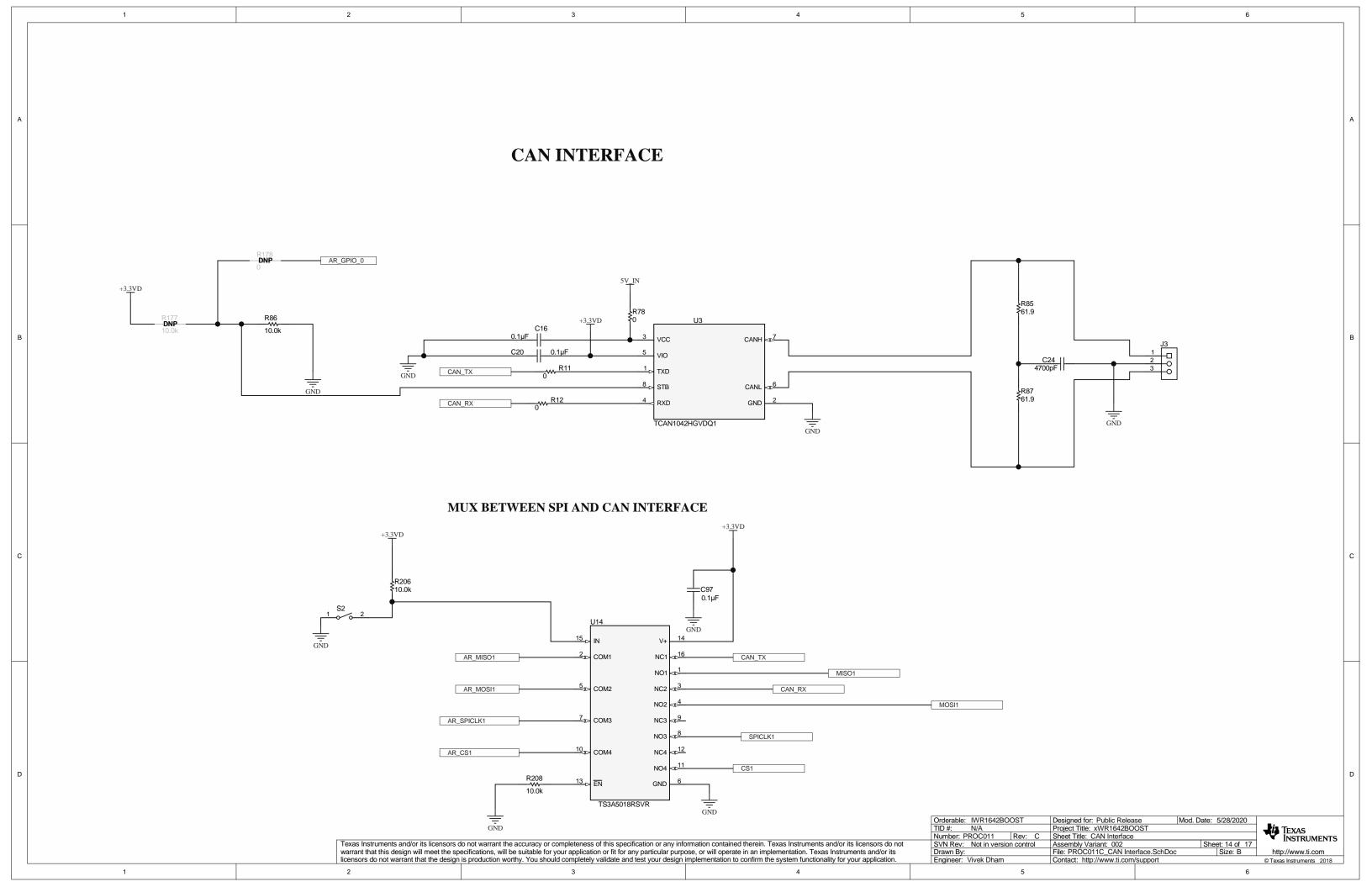


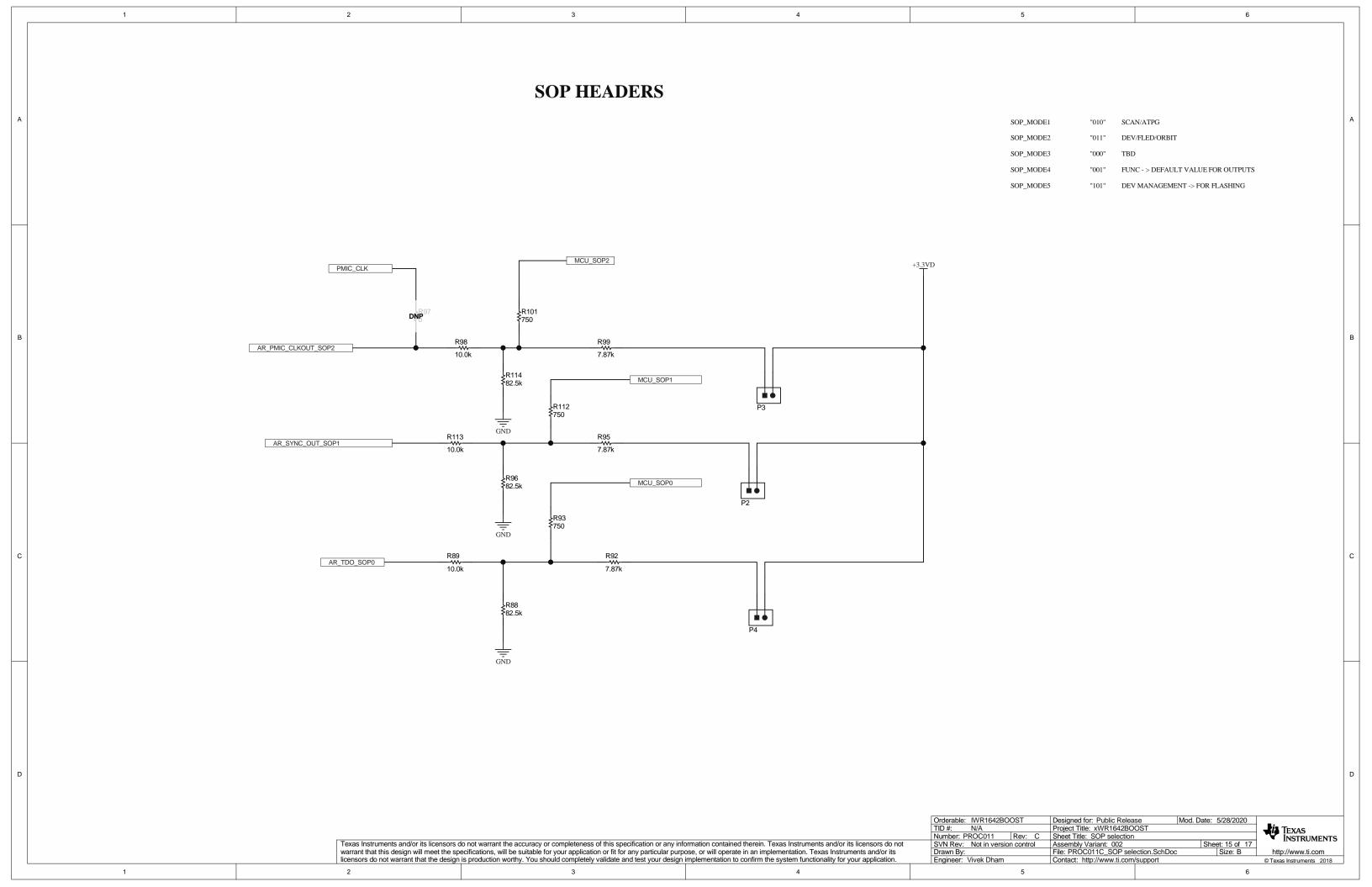










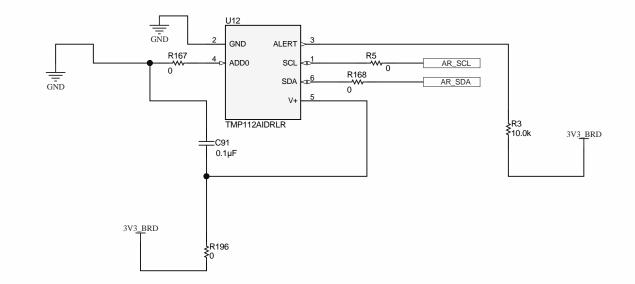


ONBOARD TEMP SENSORS

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

# 2 GND ALERT 3 ADDO SCL SDA 6 R199 AR\_SCL SDA 7 AR\_SDA V+ 5 GND R197 10.0k 3V3\_BRD R200 0 3V3\_BRD

## DEFAULT I2C ADDRESS 0X48 TEMP SENSOR CLOSE TO PMIC



 Orderable:
 IWR1642BOOST
 Designed for:
 Public Release

 TID #:
 N/A
 Project Title:
 xWR1642BOOST

 Number:
 PROC011
 Rev:
 C
 Sheet Title:
 Tempsensor

 SVN Rev:
 Not in version control
 Assembly Variant:
 002

 Drawn By:
 File:
 PROC011C\_Tempsensor.SchDoc

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4

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Mod. Date: 5/28/2020

