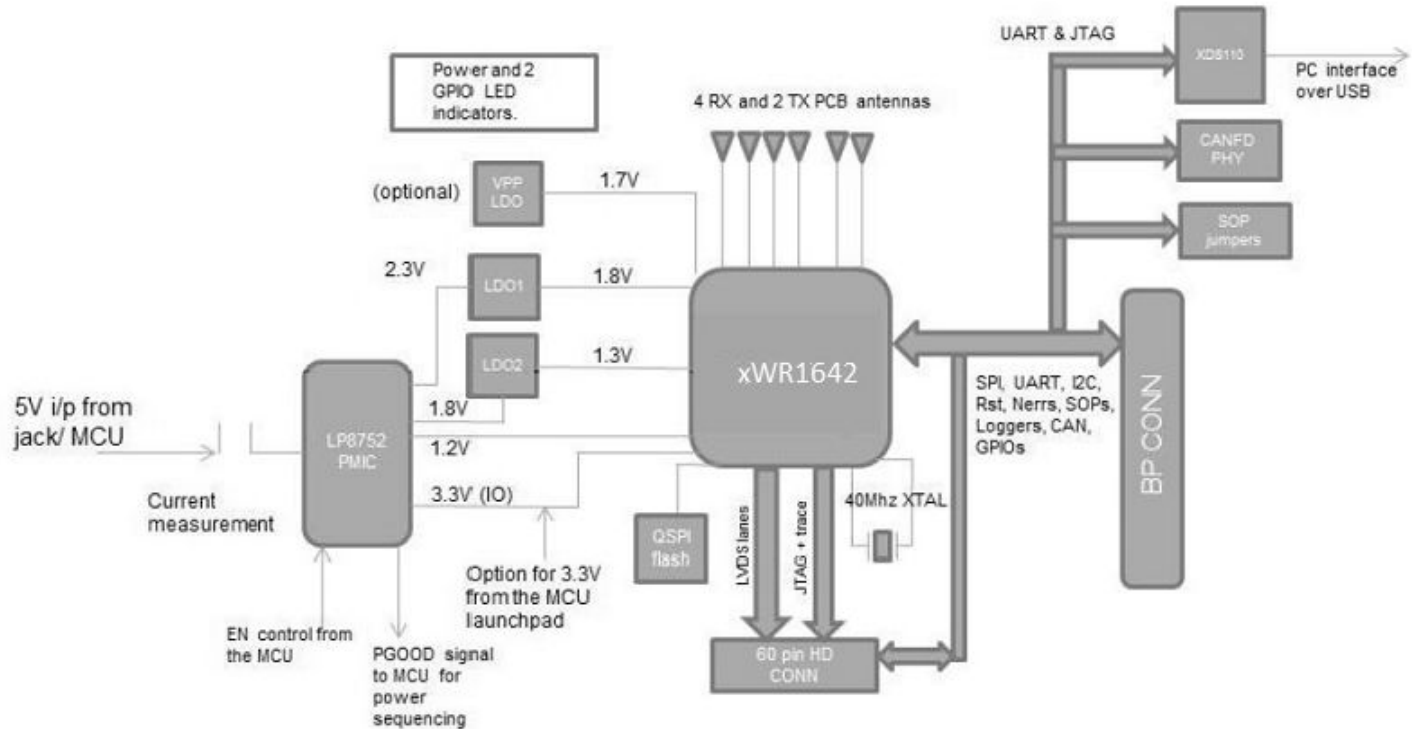


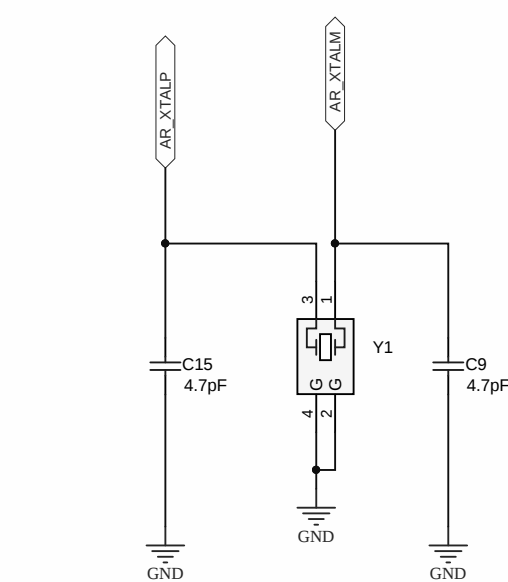
Revision History				
Rev	ECN #	Approved Date	Approved by	Notes
B	1	22/01/2018	Vivek dham	ADDED SWITCH CONTROL TO MOVE between SPI and CAN interface
B	2	22/01/2018	Vivek dham	Enabled by default the 5V supply from the 60pin HD connector.
B	3	22/01/2018	Vivek dham	Enabled by default the SYNC_IN signal connection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

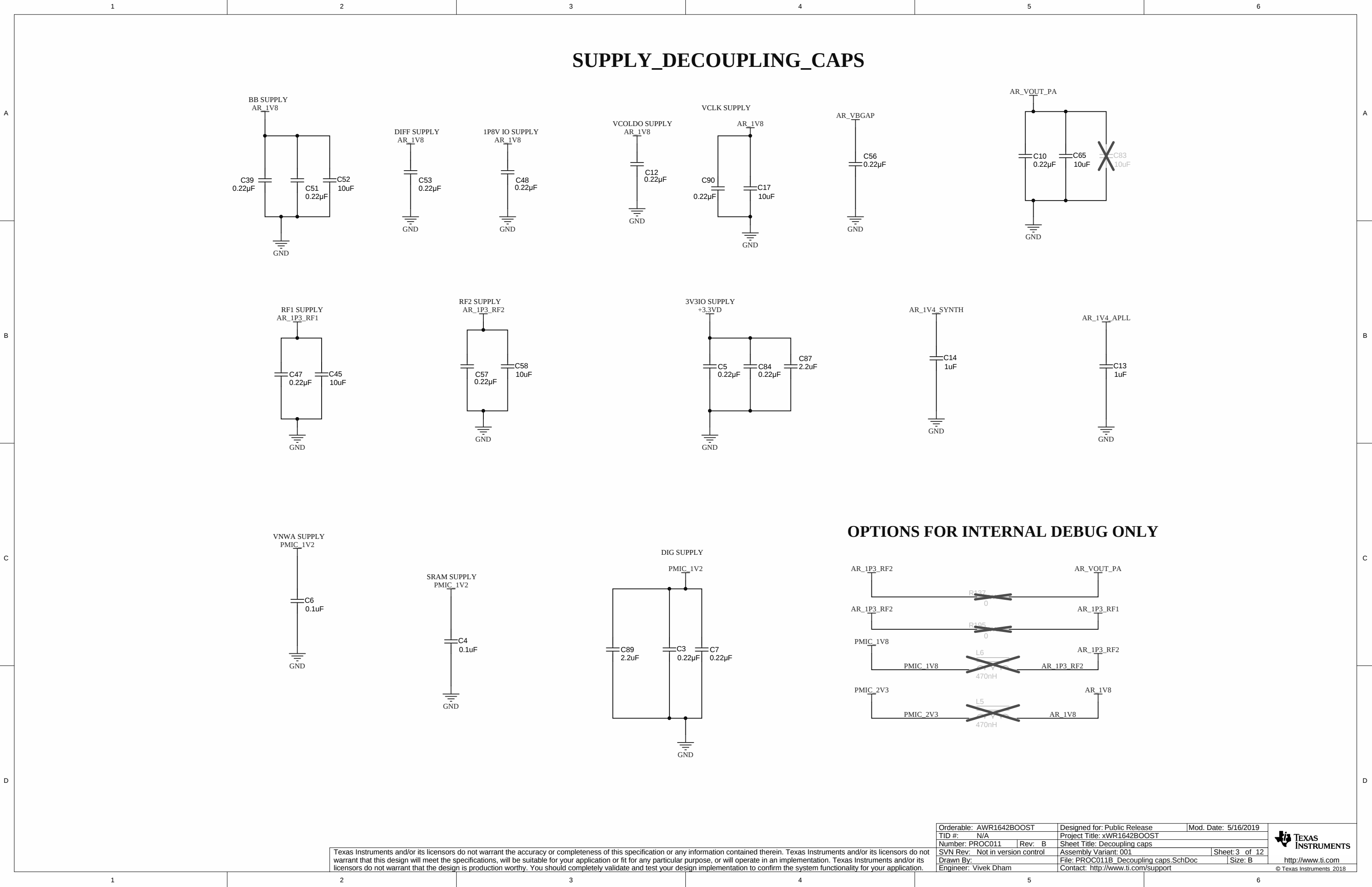
xWR1642BOOST

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_SOP selection
12	PROC011B_Hardware



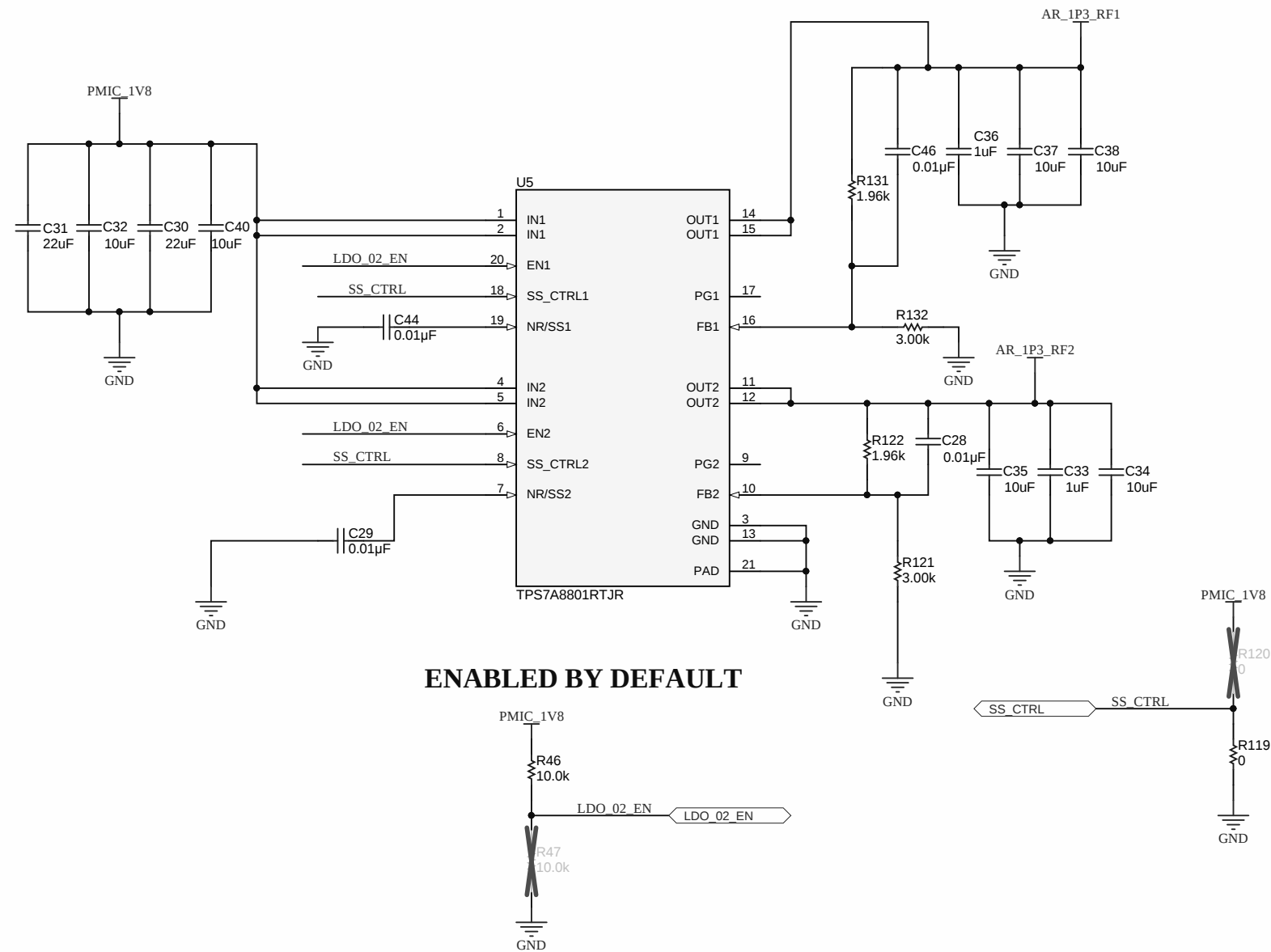


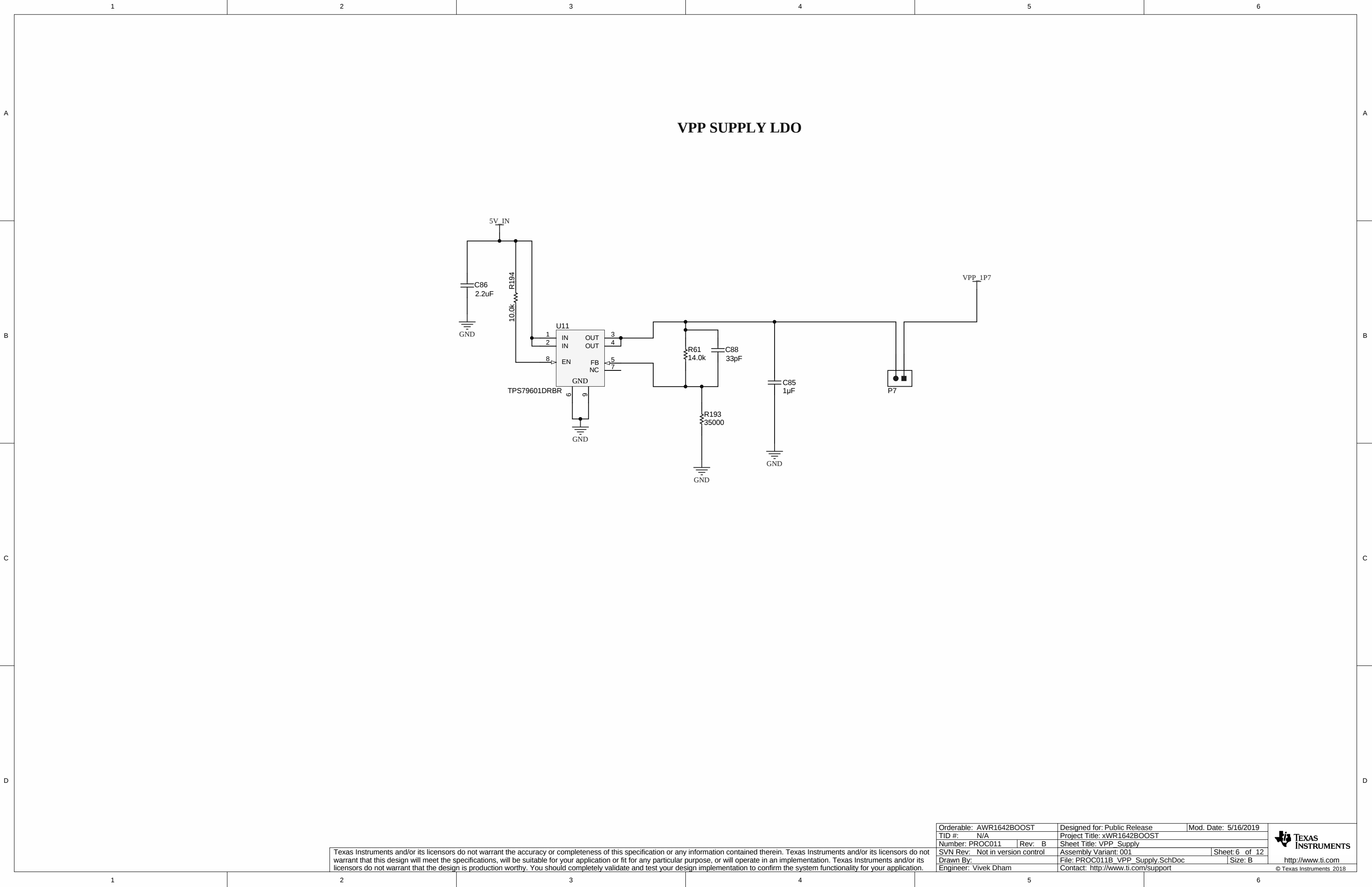


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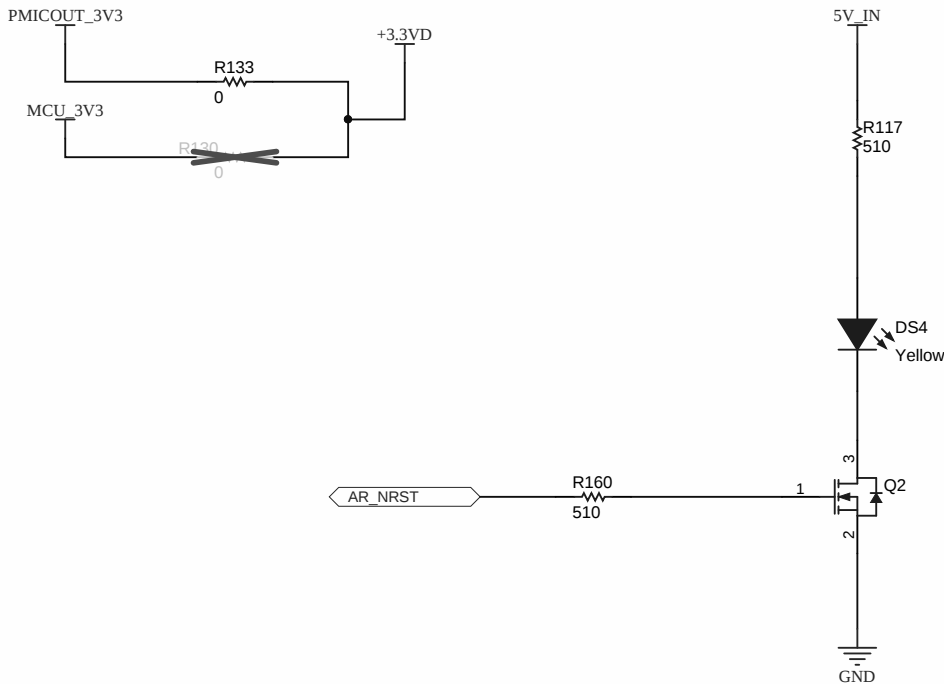
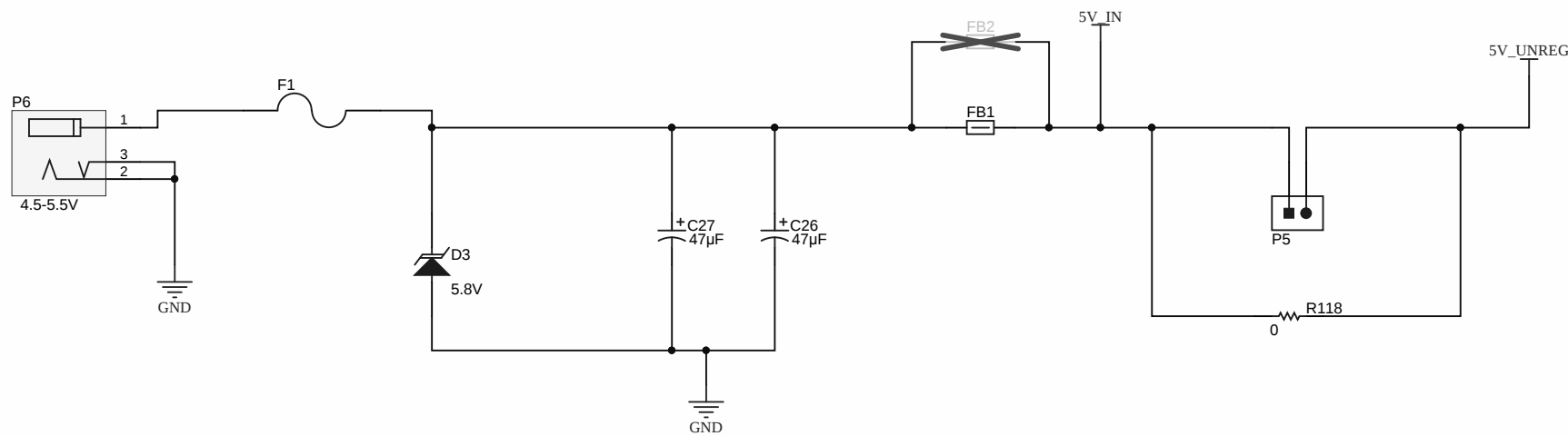
LDO_02 (1.3V LDO)





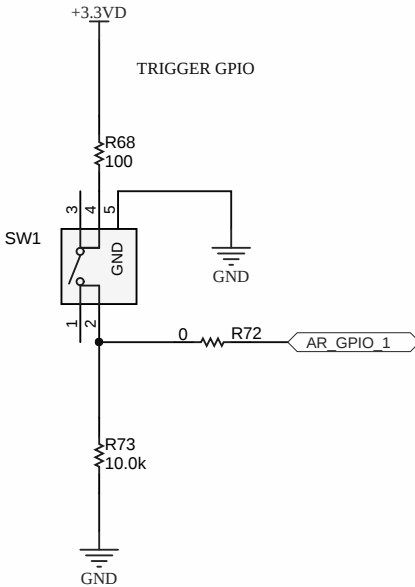
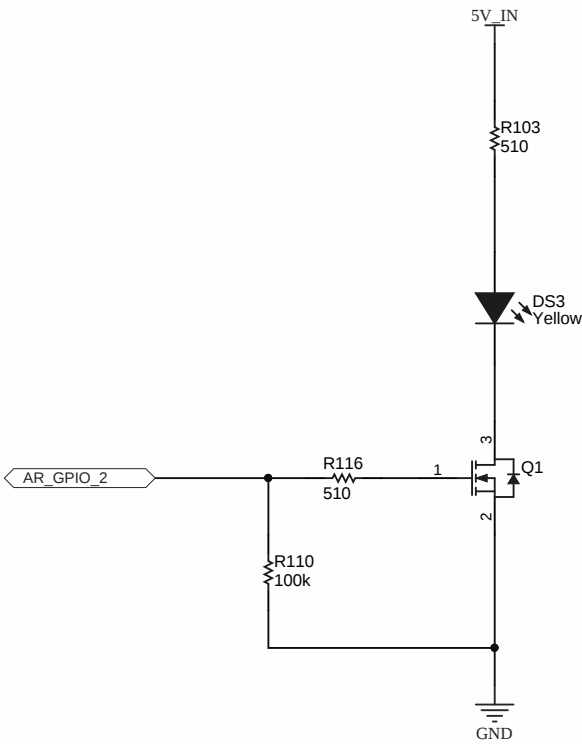
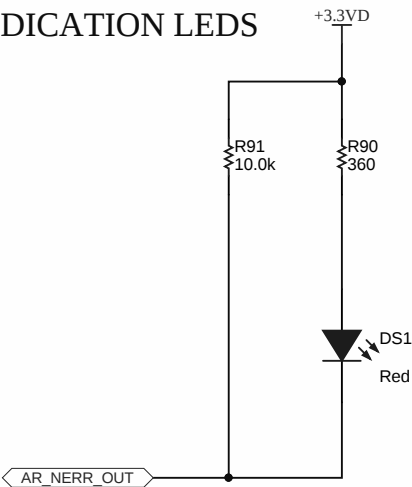
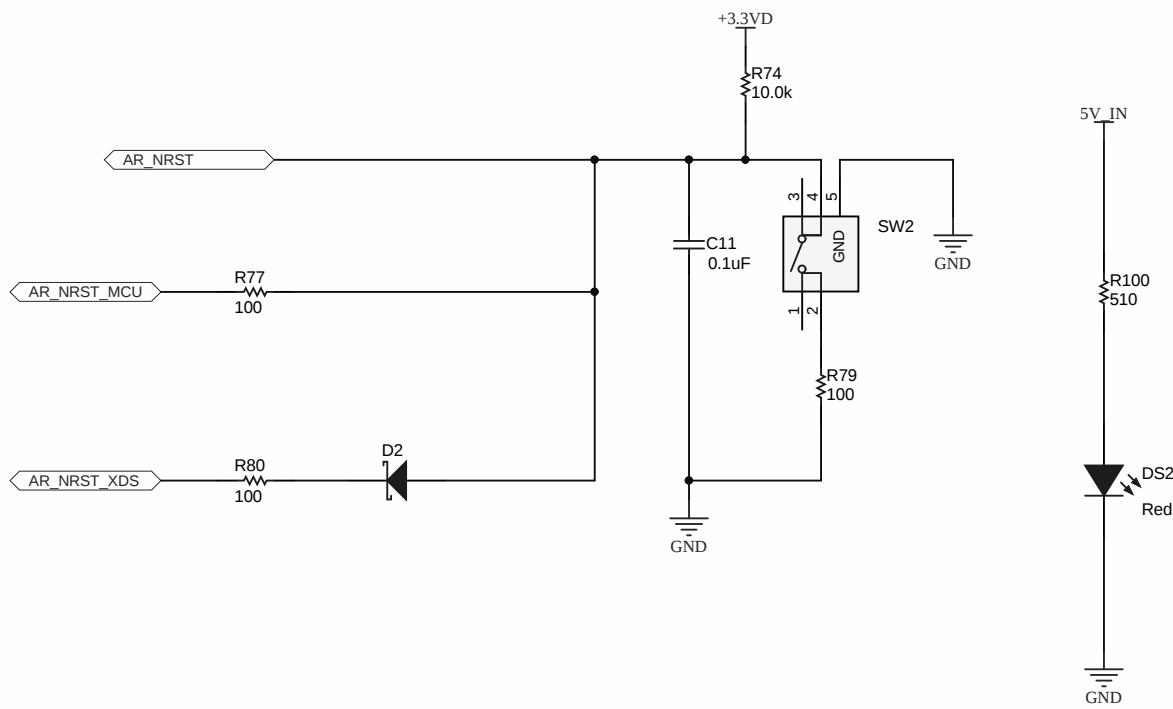
POWER SUPPLY CONNECTOR

3P3 SUPPLY FROM PMIC OR FROM THE MCU



RESET AND LEDS

INDICATION LEDS



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Orderable: AWR1642BOOST	Designed for: Public Release	Mod. Date: 5/16/2019
TID #: N/A	Project Title: xWR1642BOOST	
Number: PROC011	Rev: B	Sheet Title: Pwr_RST_LEDs
SVN Rev: Not in version control	Assembly Variant: 001	Sheet: 7 of 12
Drawn By:	File: PROC011B_Pwr_RST_LEDs.SchDoc	Size: B
Engineer: Vivek Dham	Contact: http://www.ti.com/support	© Texas Instruments 2018

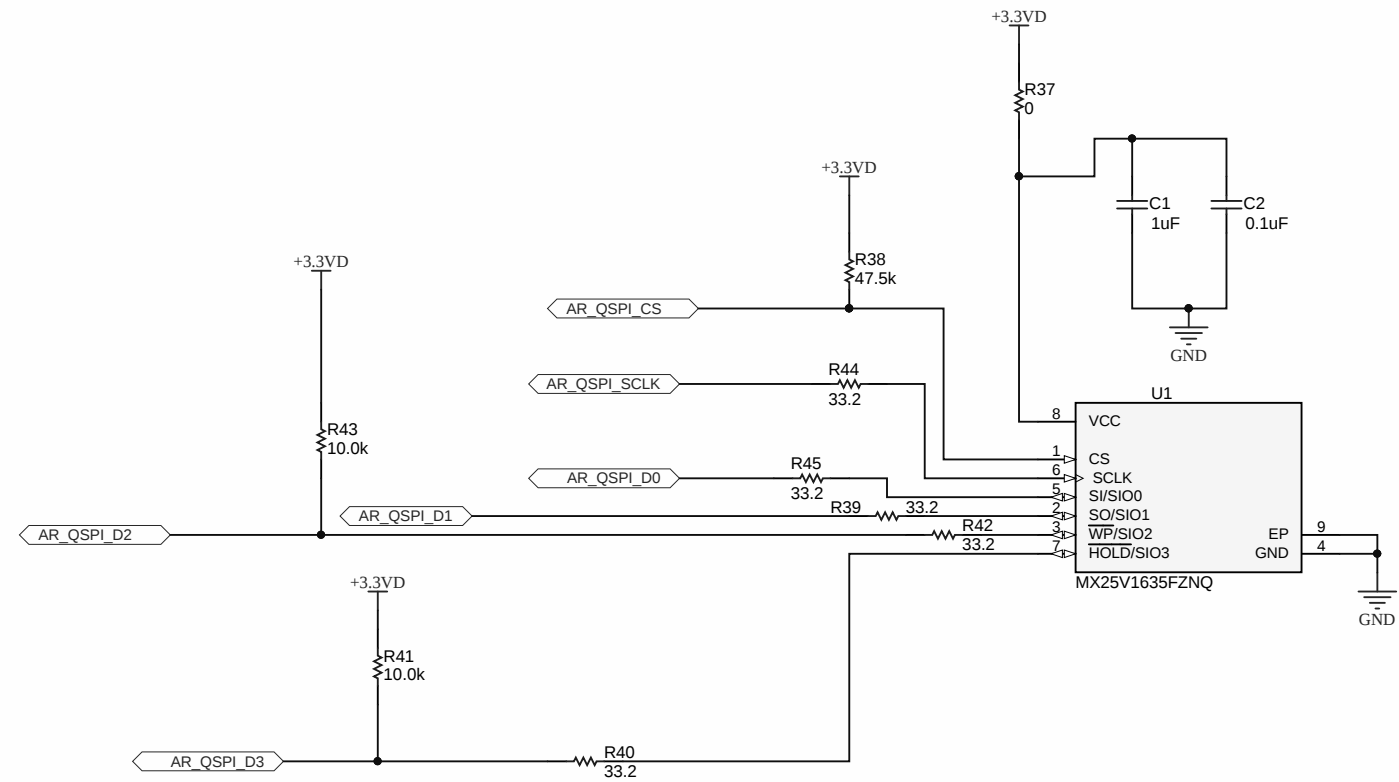


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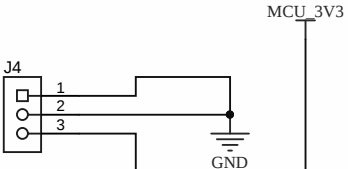
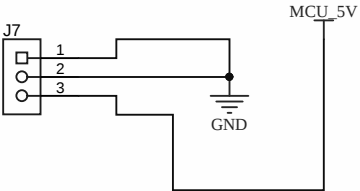
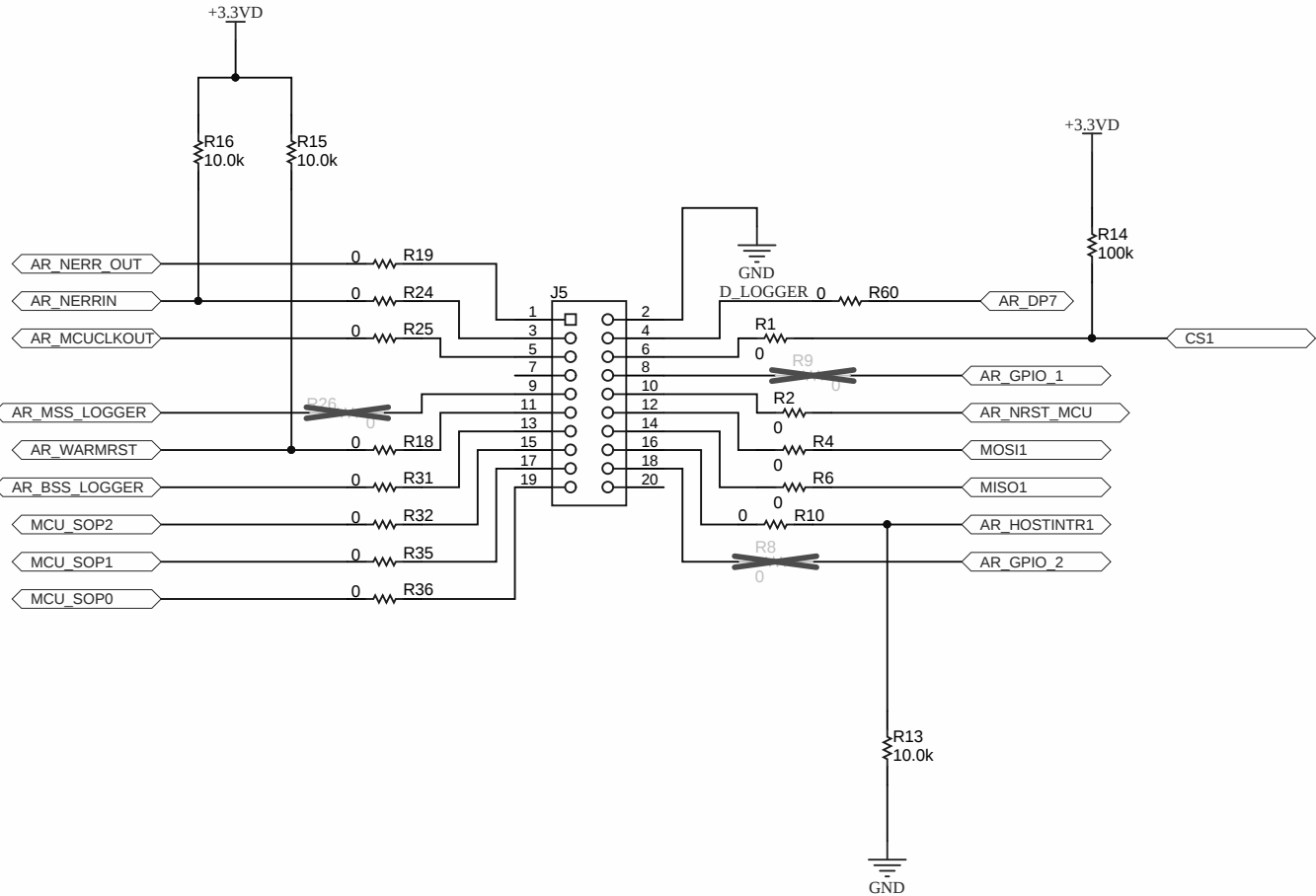
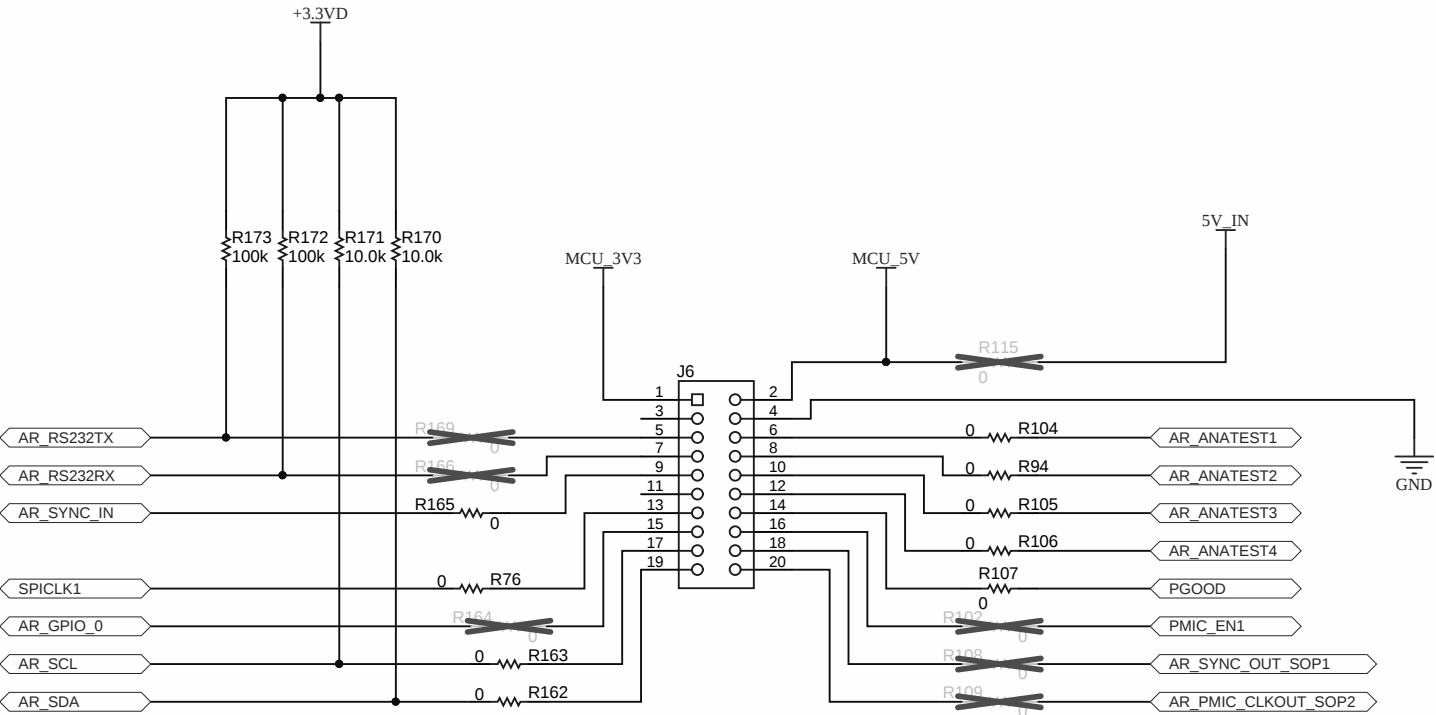
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QSPI FLASH

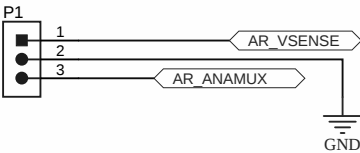


Orderable: AWR1642BOOST	Designed for: Public Release	Mod. Date: 5/16/2019	 TEXAS INSTRUMENTS http://www.ti.com © Texas Instruments 2018
TID #: N/A	Project Title: xWR1642BOOST		
Number: PROC011	Rev: B	Sheet Title: QSPI flash section	
SVN Rev: Not in version control	Assembly Variant: 001	Sheet: 9 of 12	
Drawn By:	File: PROC011B_QSPI flash section.SchDoc	Size: B	
Engineer: Vivek Dham	Contact: http://www.ti.com/support		

BP/LP CONNECTOR



ANALOG SIGNALS



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Orderable: AWR1642BOOST	Designed for: Public Release	Mod. Date: 5/16/2019
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Number: PROC011	Rev: B	Sheet Title: LP Connector
SVN Rev: Not in version control	Assembly Variant: 001	Sheet: 10 of 12
Drawn By:	File: PROC011B_LP Connector.SchDoc	Size: B
Engineer: Vivek Dham	Contact: http://www.ti.com/support	

A

A

B

B

C

C

D

D

SOP HEADERS

SOP_MODE1	"010"	SCAN/ATPG
SOP_MODE2	"011"	DEV/FLED/ORBIT
SOP_MODE3	"000"	TBD
SOP_MODE4	"001"	FUNC - > DEFAULT VALUE FOR OUTPUTS
SOP_MODE5	"101"	DEV MANAGEMENT -> FOR FLASHING

