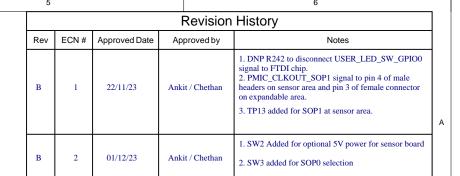
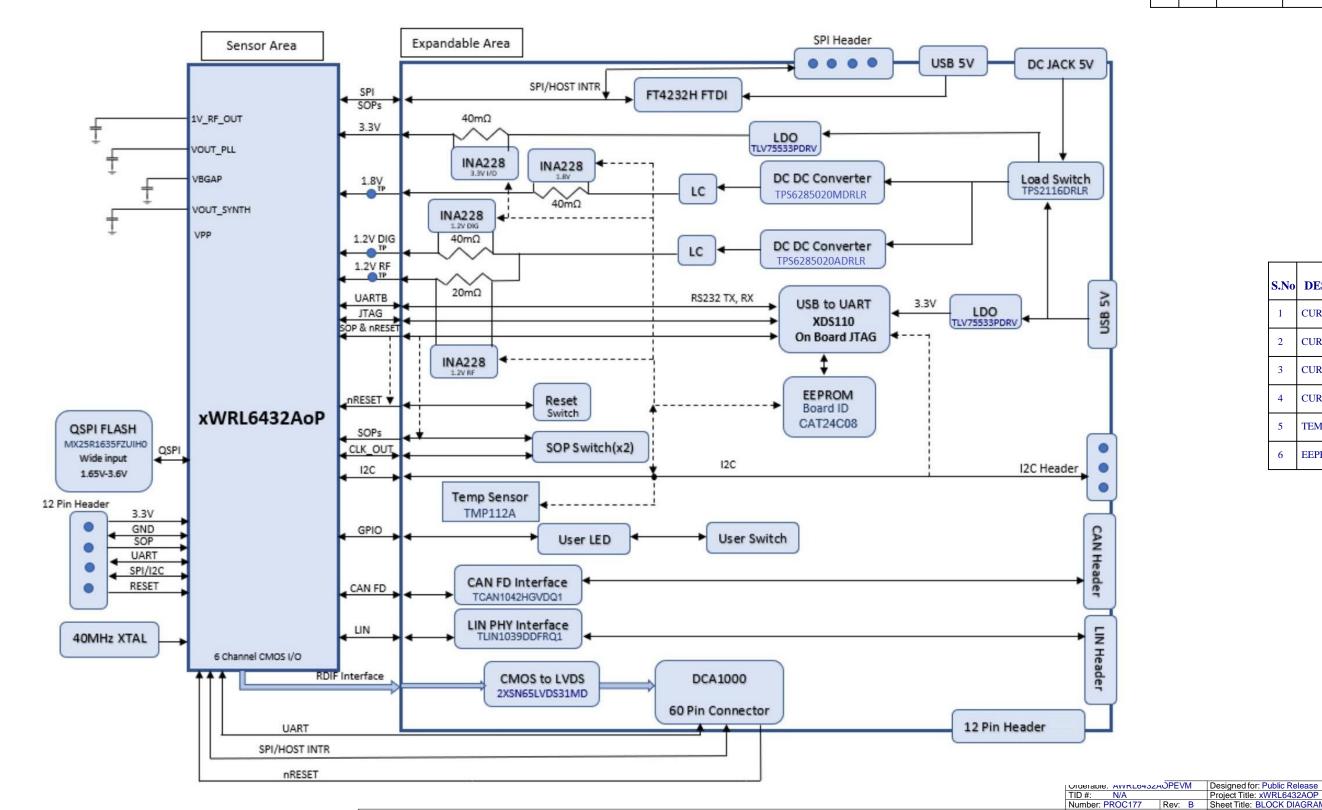
BLOCK DIAGRAM





2

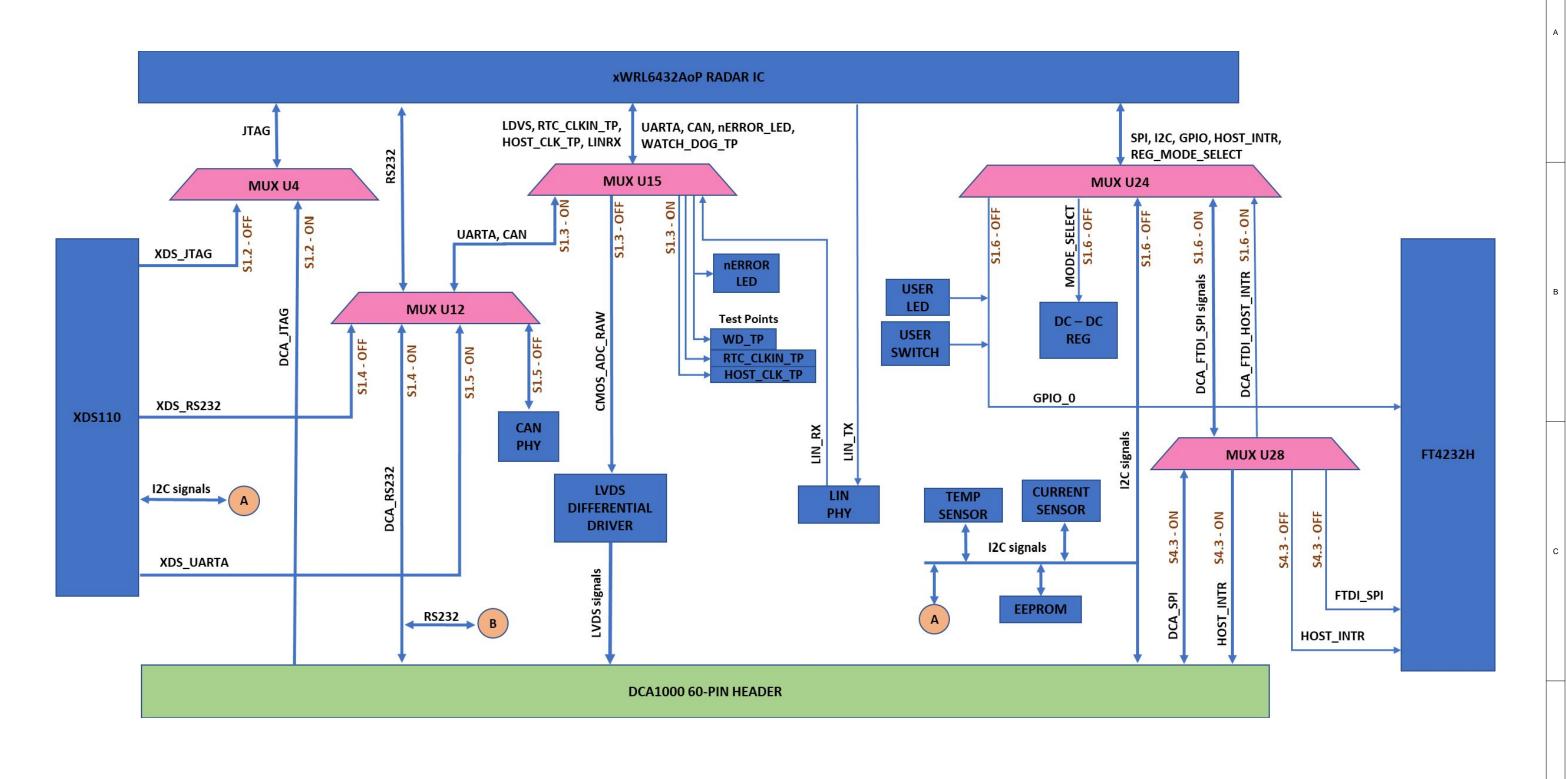
S.No	DESCRIPTION	12C ADDRESS
1	CURRENT SENSOR 3.3V	100 0101
2	CURRENT SENSOR 1.8V	100 0000
3	CURRENT SENSOR 1.2V	100 0001
4	CURRENT SENSOR RF_1.2V	100 0100
5	TEMPERATURE SENSOR	100 1011
6	EEPROM	1010 0XX

Project Title: xWRL6432AOP Sheet Title: BLOCK DIAGRAM Assembly Variant: 002_AWR
File: PROC177B_Block_Diagram.SchDoc TEXAS INSTRUMENTS http://www.ti.com © Texas Instruments 2023

Texas Instruments and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. Texas Instruments and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. Texas Instruments and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. Texas Instruments and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. Texas Instruments and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. Texas Instruments and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. Texas Instruments and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. Texas Instruments and/or its licensors do not warrant that this design will meet the specifications, will be suitable for your application or fit for any particular purpose, or will operate in an implementation. Texas Instruments and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. licensors do not warrant that the design is production worthy. You should completely validate and test your design implementation to confirm the system functionality for your application.

Contact: http://www.ti.com/support 5

MUX BLOCK DIAGRAM



Orderable: AWRL6432AOPEVM Designed for: Public Release Mod. Date: 1/3/2024
TID #: N/A Project Title: xWRL6432AOP
Number: PROC177 Rev: B Sheet Title: MUX BLOCK DIAGRAM

SVN Rev: Unknown revision Assembly Variant: 002_AWR Sheet: 2 of 17
Drawn By: Mistral File: PROC177B_MUX_Block_Diagram.SchDoc Size: B

Engineer: Mistral Contact: http://www.ti.com/support © Texas Instruments 2023

5

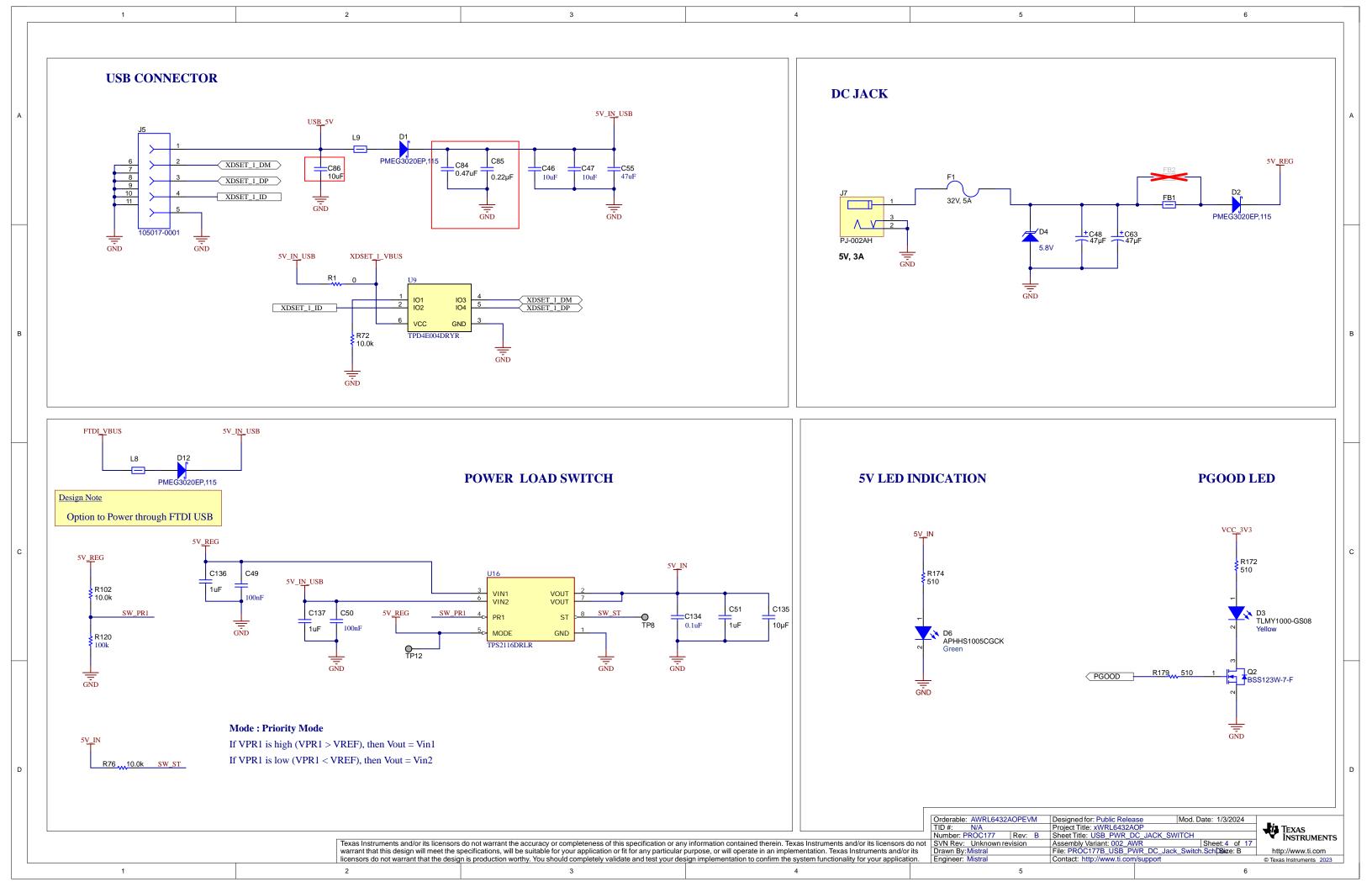
Texas Instruments and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. Texas Instruments and/or its licensors do not warrant that this design will meet the specifications, will be suitable for your application or fit for any particular purpose, or will operate in an implementation. Texas Instruments and/or its licensors do not warrant that the design is production worthy. You should completely validate and test your design implementation to confirm the system functionality for your application.

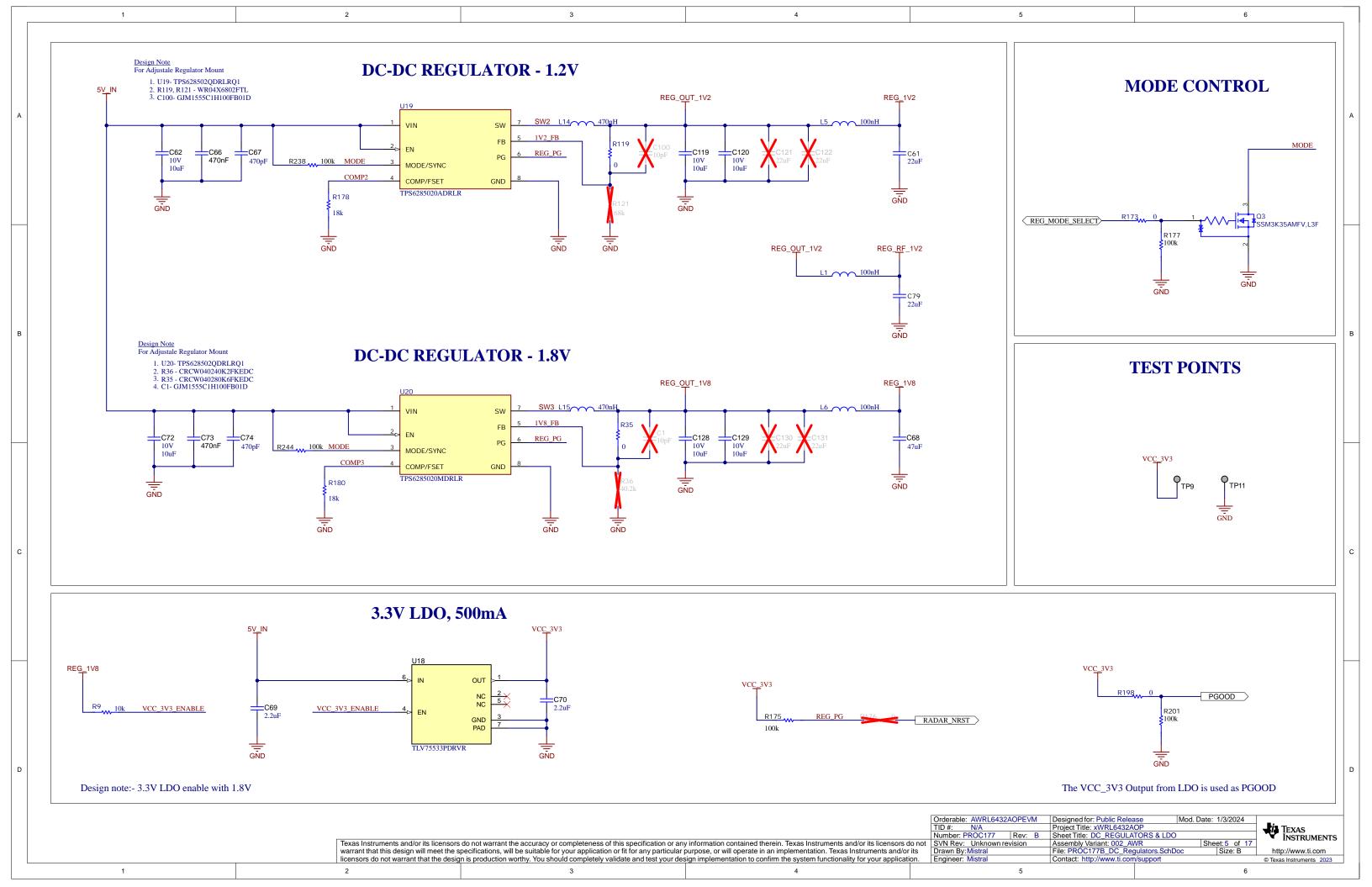
| Orderator: AVKLO4522AOFE VIII | TID #: N/A | Number: PROC177 | Rev. B | SVN Rev: Unknown revision | SVN Rev: Unknown revision | Drawn By: Mistral | Unknown revision | Drawn By: Mistral

2

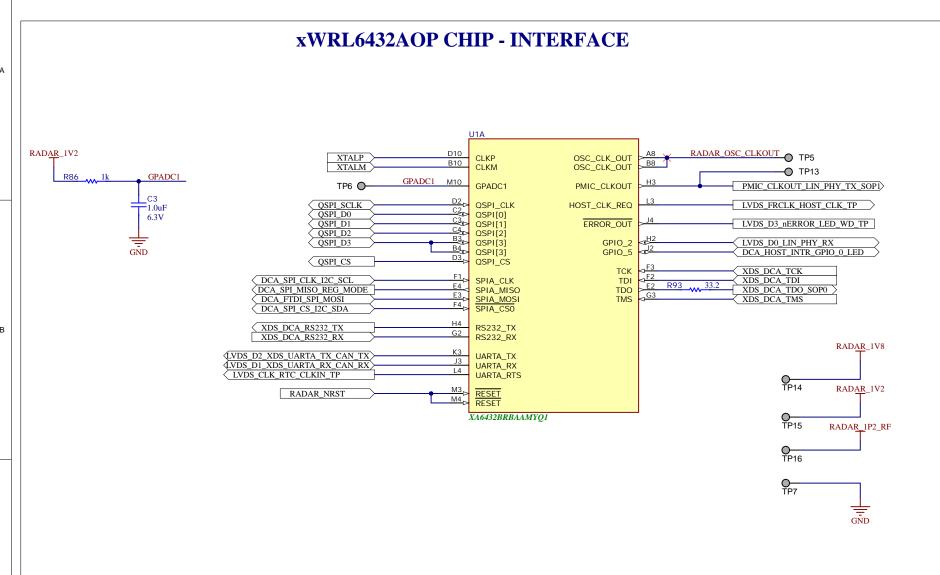
TABLE OF CONTENTS SHEET NO. SHEET NAME BLOCK DIAGRAM MUX BLOCK DIAGRAM TABLE OF CONTENTS USB_PWR_DC_JACK_SWITCH DC-DC REGULATORS & LDO xWRL6432AoP_CHIP DECOUPLING_CAPS-QSPI_FLASH_ TEMP_CURRENT_SENSORS_EEPROM LVDS_DRIVER ANALOG_MUX_SOP_CTRL 10 ANALOG_MUX_SPI_DCA/FTDI 12 XDS110_INTERFACE 13 CAN_LIN_PHY_INTERFACE FTDI- USB to SPI CONVERTER 15 DCA1000_CONN_RESET 16 I2C_SPI_CONN_HEADER EVM_HARDWARE Orderable: AWRL6432AOPEVM Designed for: Public Release Texas Instruments and/or its licensors do not warrant the accuracy or completeness of this specification or any information contained therein. Texas Instruments and/or its licensors do not warrant that this design will meet the specifications, will be suitable for your application or fit for any particular purpose, or will operate in an implementation. Texas Instruments and/or its licensors do not warrant that the design is production worthy. You should completely validate and test your design implementation to confirm the system functionality for your application.

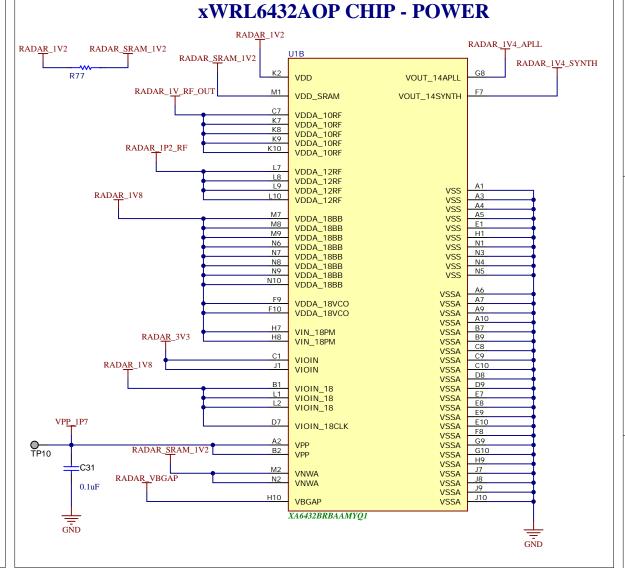
Total and RAVRICASZAOPEVM	Designed there is NIOL Date: IN32024	
Number: PROC177	Rev: B	Sheet Title: TABLE OF CONTENTS
SVN Rev: Unknown revision	Assembly Variant: 002_AWR	Sheet: 3 of 17
Drawn By: Mistral	File: PROC177B_Table_Of_Contents.SchDoc	Size: B
Inspired Title: TABLE OF CONTENTS		
SVN Rev: Unknown revision	Drawn By: Mistral	File: PROC177B_Table_Of_Contents.SchDoc
Inspired Title: TABLE OF CONTENTS		
SVN Rev: Unknown revision	Drawn By: Mistral	File: PROC177B_Table_Of_Contents.SchDoc
Inspired Title: TABLE OF CONTENTS		
SVN Rev: Unknown revision	Drawn By: Mistral	File: PROC177B_Table_Of_Contents.SchDoc
Inspired Title: TABLE OF CONTENTS		
SVN Rev: Unknown revision	Drawn By: Mistral	File: PROC177B_Table_Of_Contents.SchDoc
Inspired Title: TABLE OF CONTENTS		
SVN Rev: Unknown revision	Drawn By: Mistral	File: PROC177B_Table_Of_Contents.SchDoc
Inspired Title: TABLE OF CONTENTS		
SVN Rev: Unknown revision	Drawn By: Mistral	File: PROC177B_Table_Of_Contents.SchDoc
Inspired Title: TABLE OF CONTENTS		
SVN Rev: Unknown revision	Drawn By: Mistral	File: PROC177B_Table_Of_Contents.SchDoc
Inspired Title: TABLE OF CONTENTS		
SVN Rev: Unknown revision	Drawn By: Mistral	File: PROC177B_Table_Of_Contents.SchDoc
Inspired Title: TABLE OF CONTENTS		
SVN Rev: Unknown revision	Drawn TEXAS INSTRUMENTS http://www.ti.com 5	

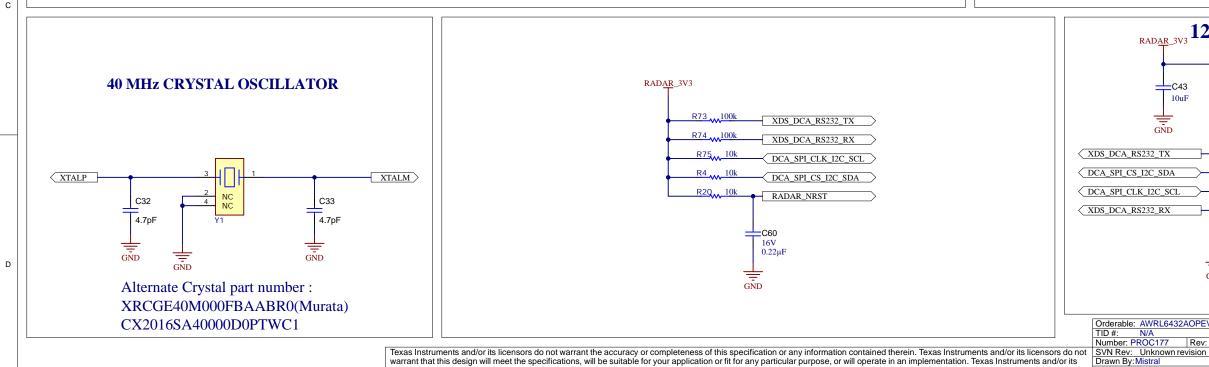


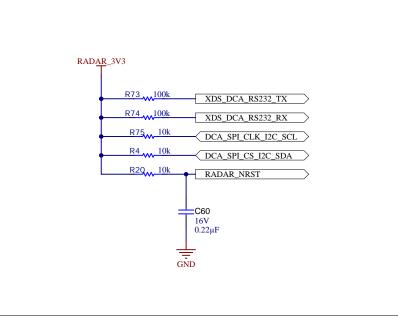


xWRL6432AOP CHIP (SENSOR BOARD)

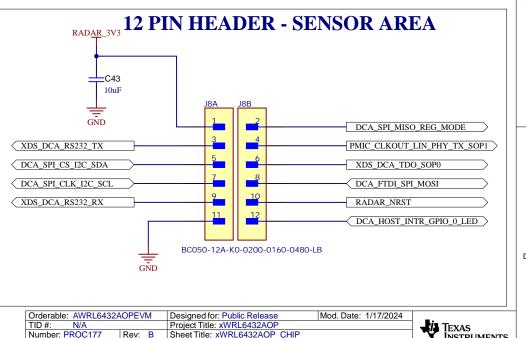








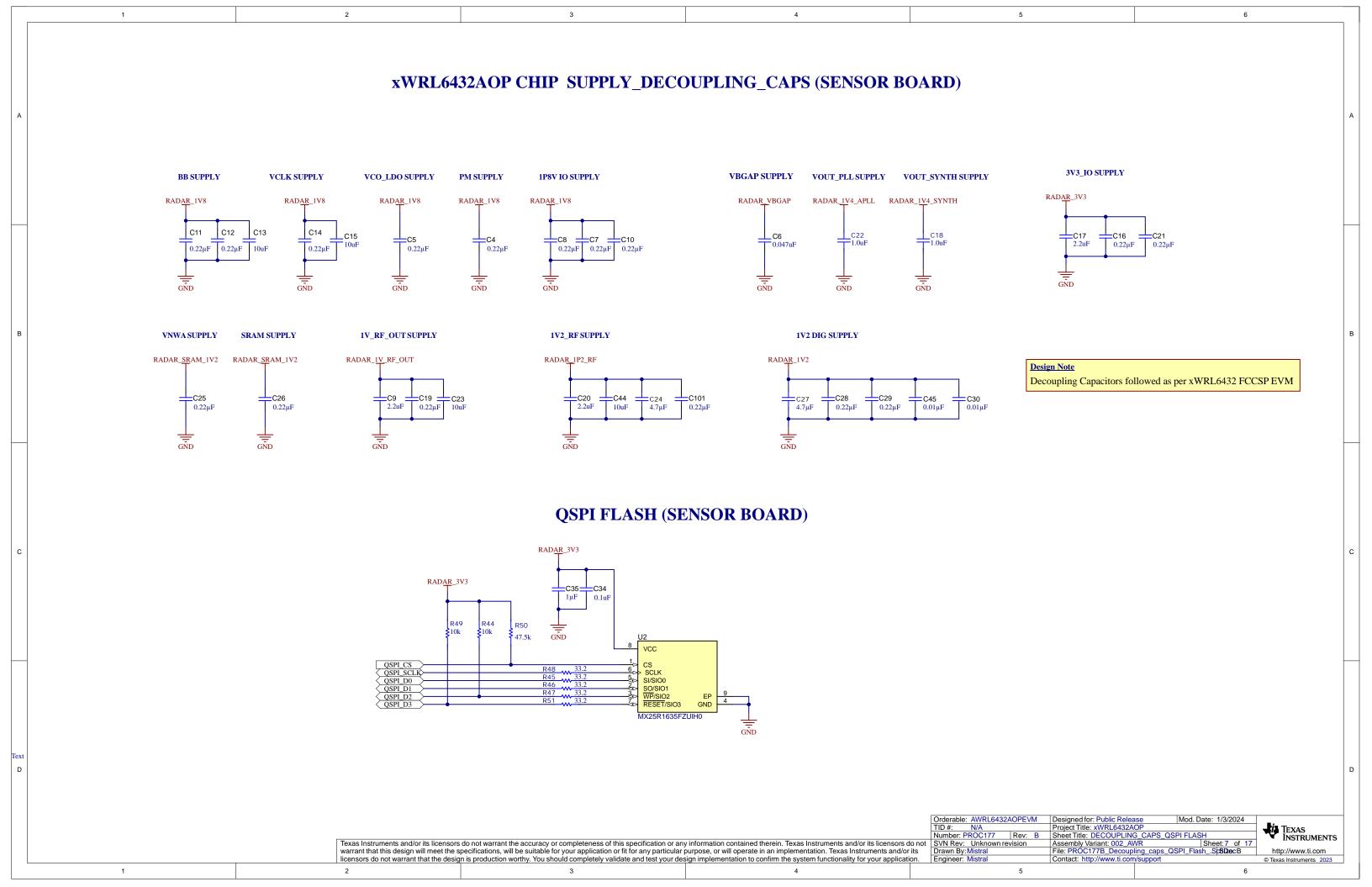
licensors do not warrant that the design is production worthy. You should completely validate and test your design implementation to confirm the system functionality for your application.

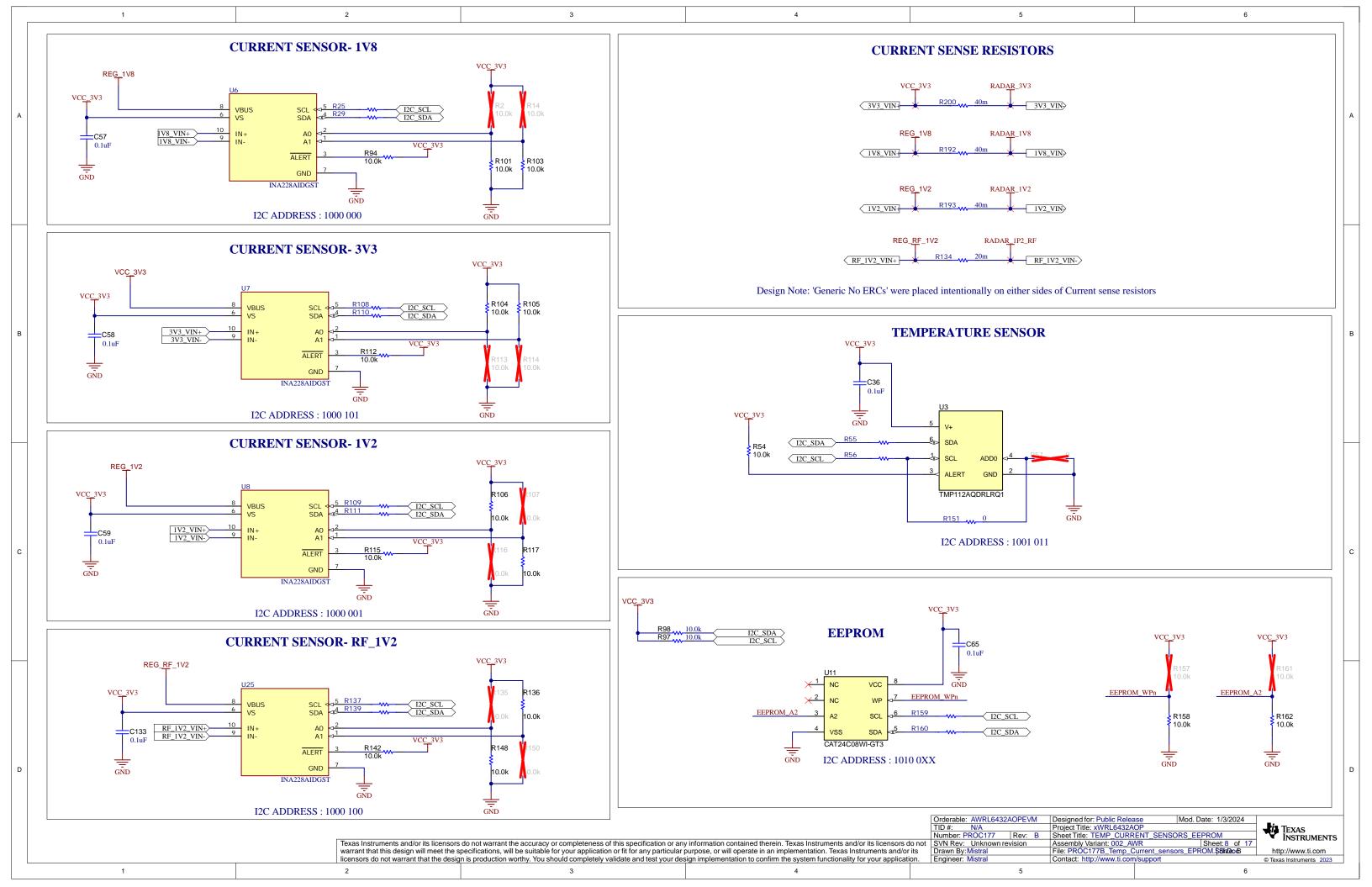


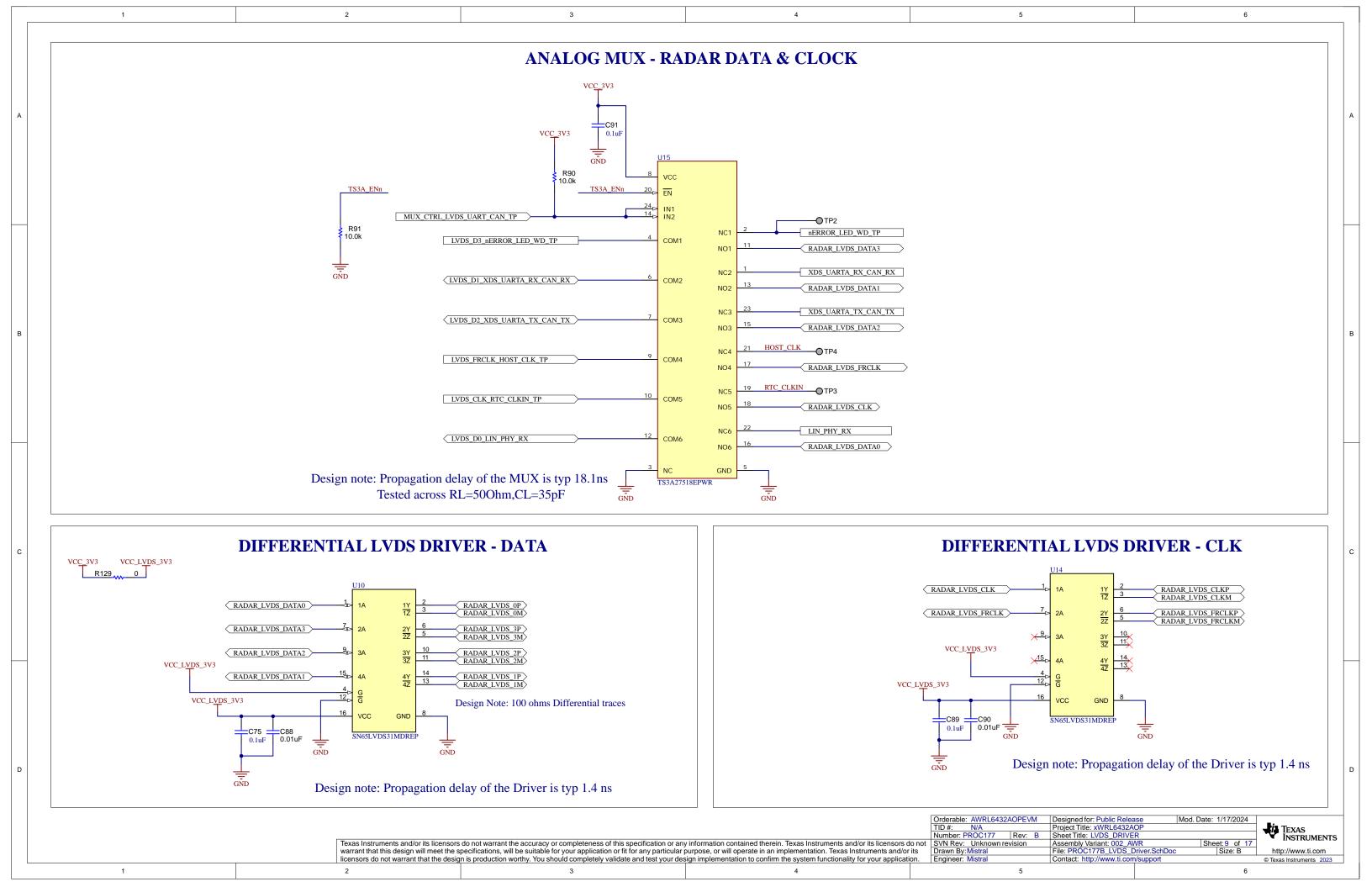
Assembly Variant: 002_AWR Sheet: 6 of 17
File: PROC177B_xWRL6432AoP_Chip.SchDoc Size: B

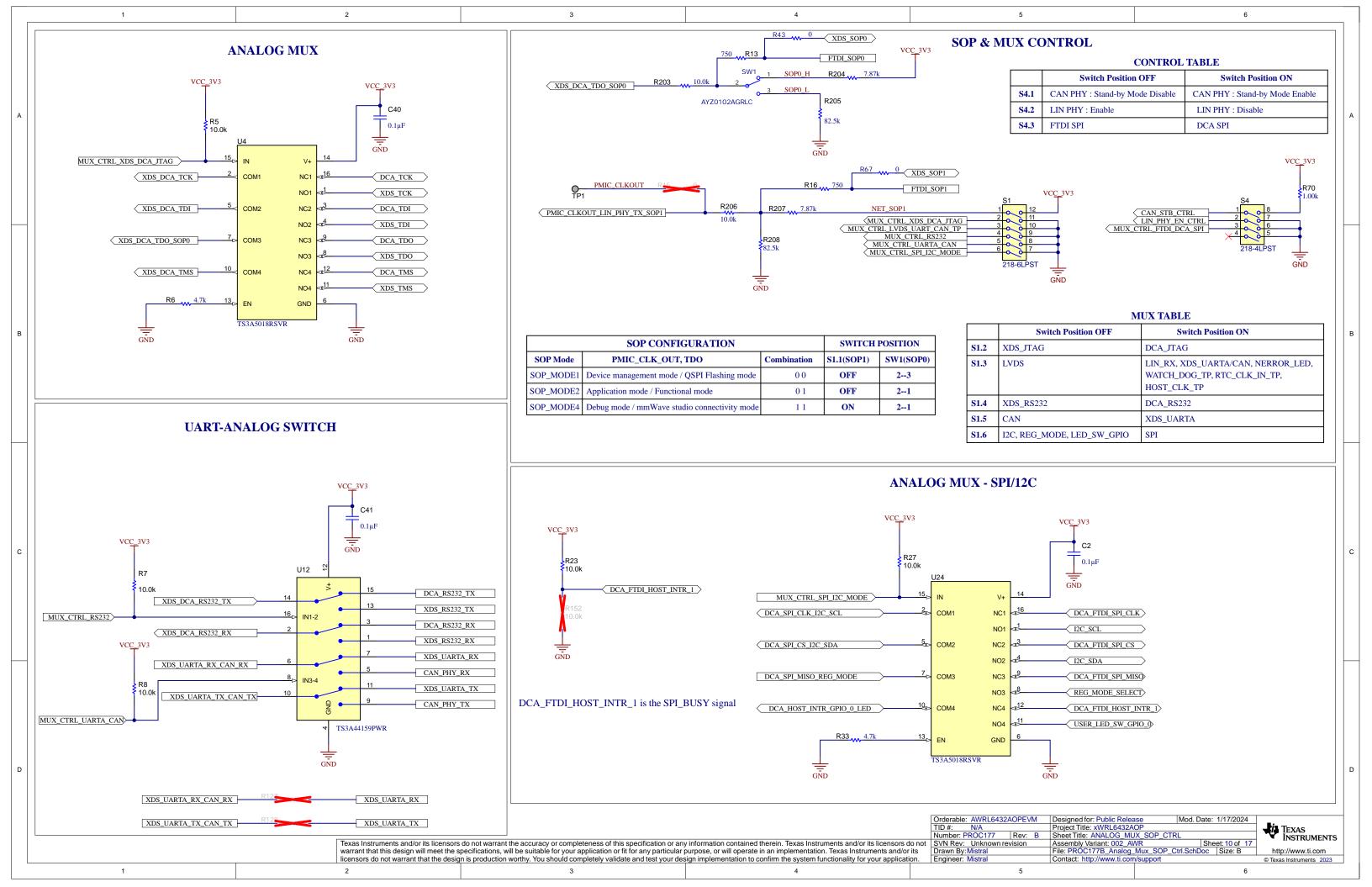
5

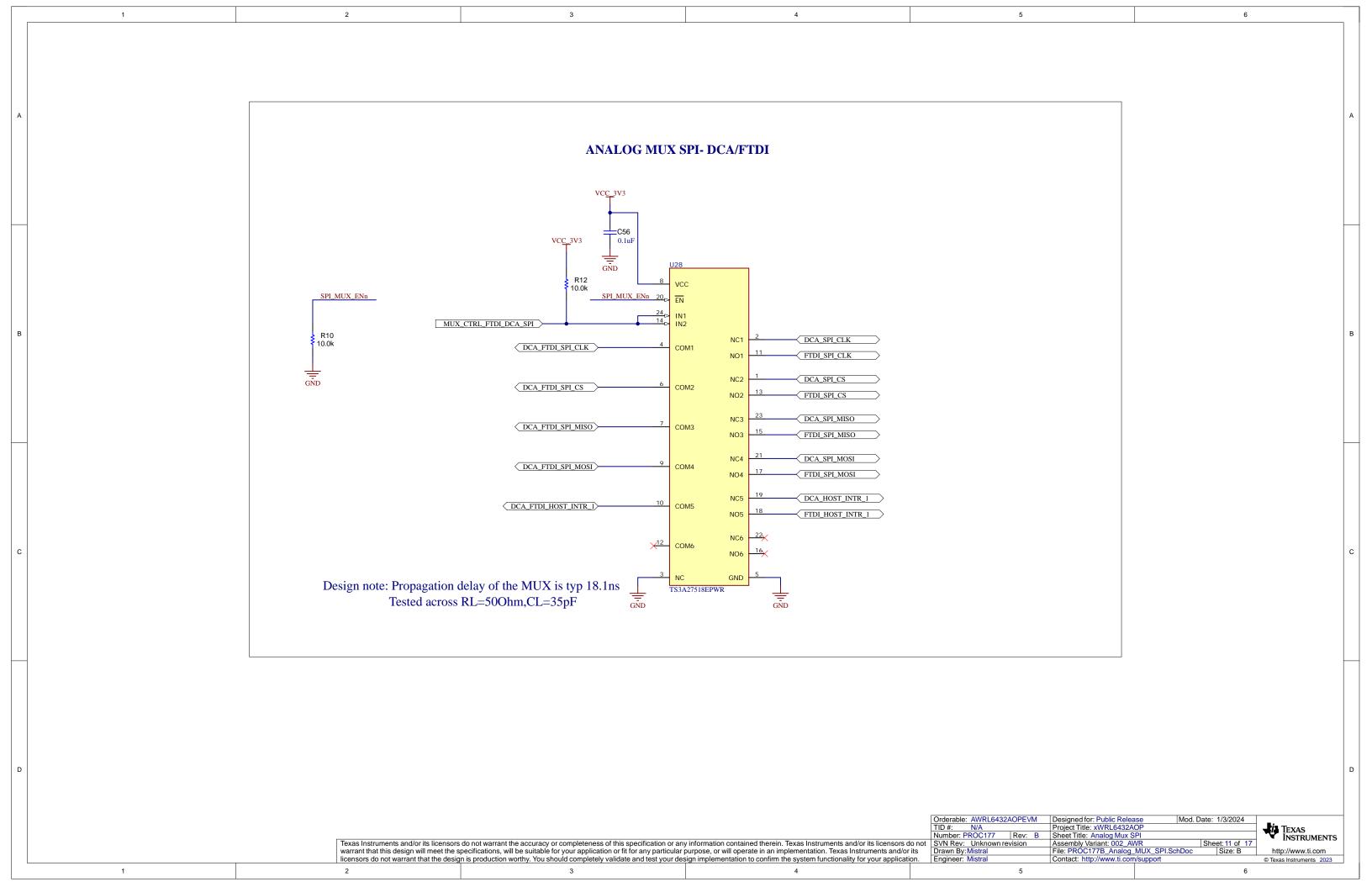
http://www.ti.com

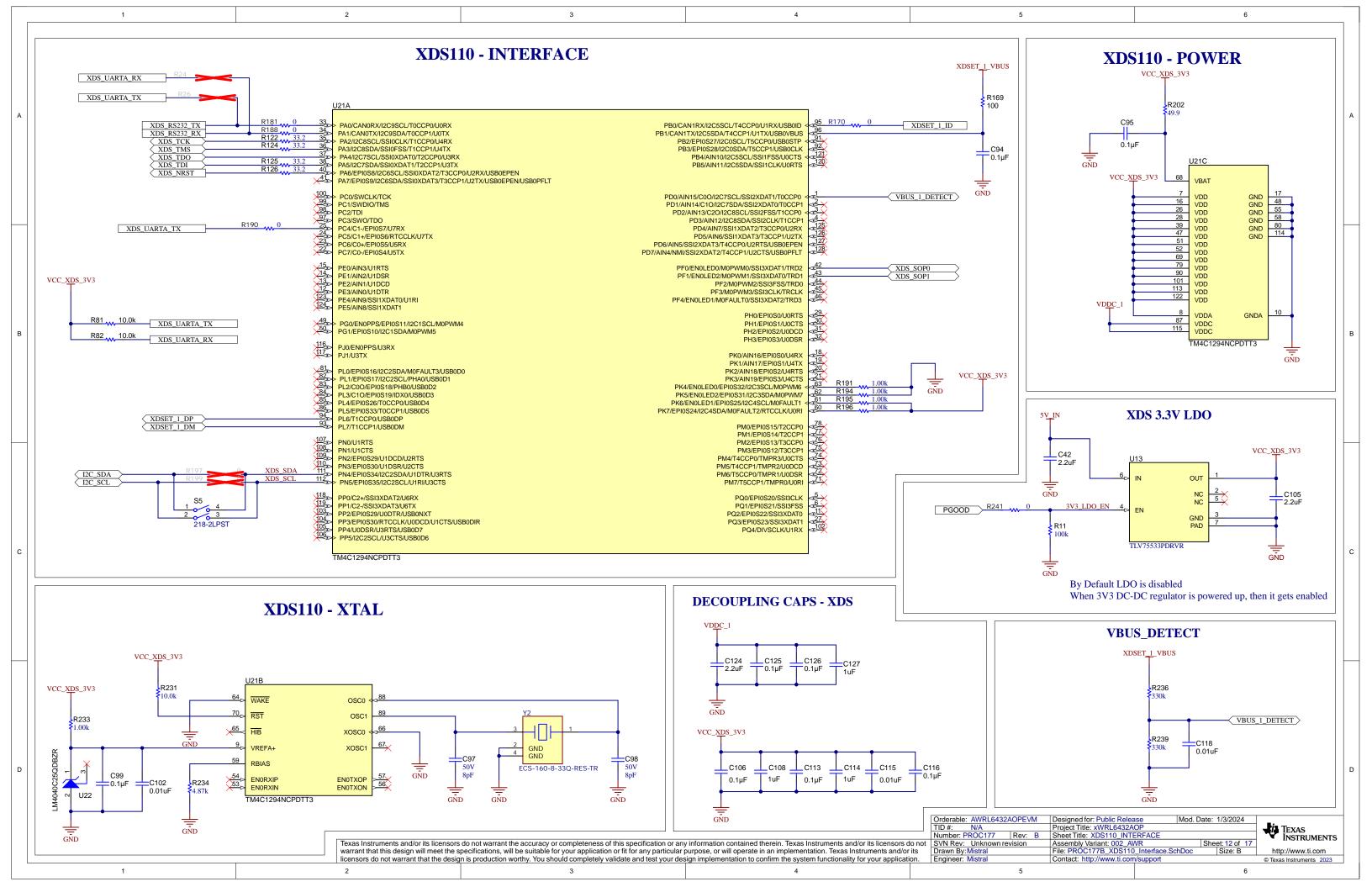


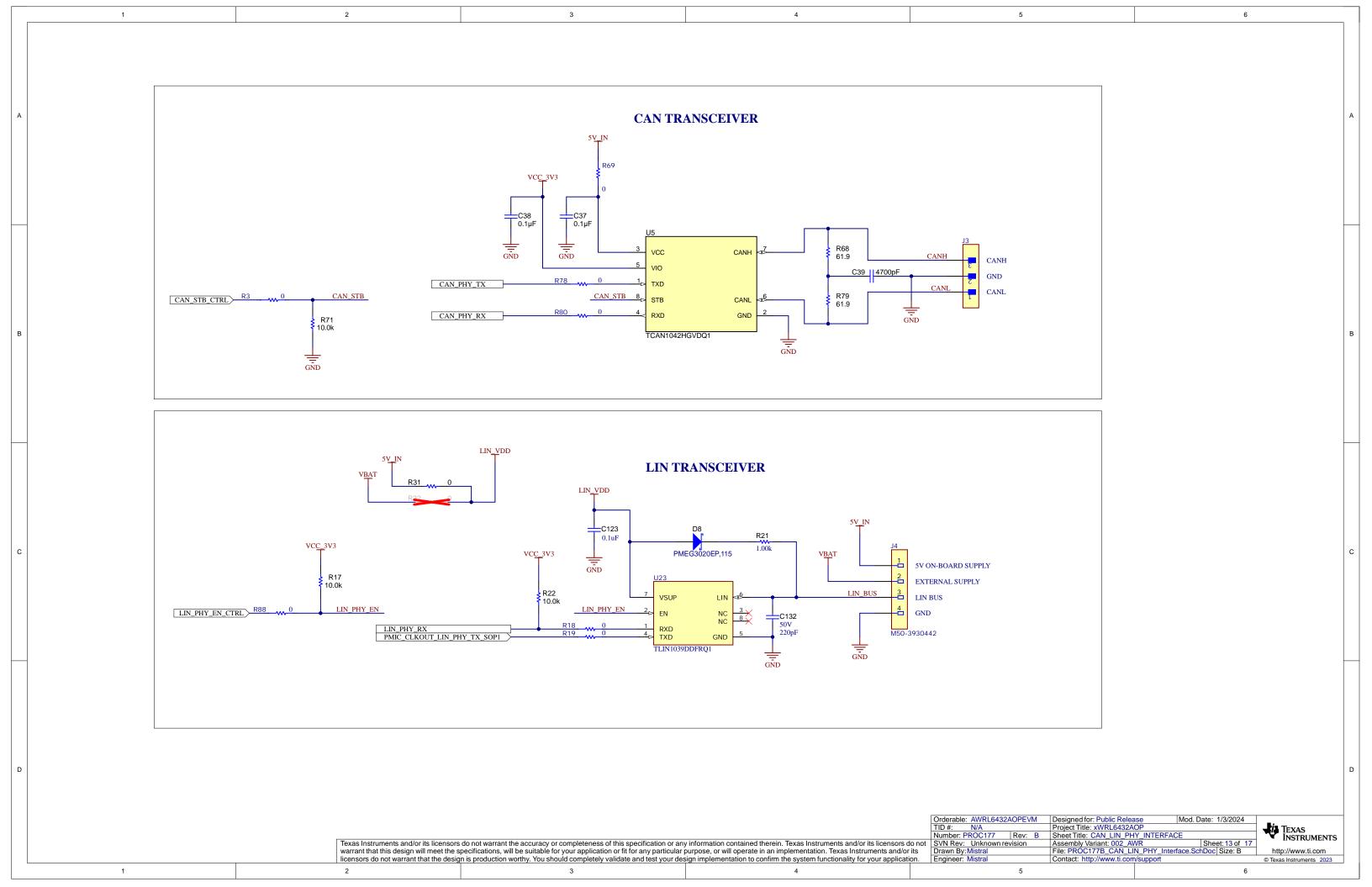


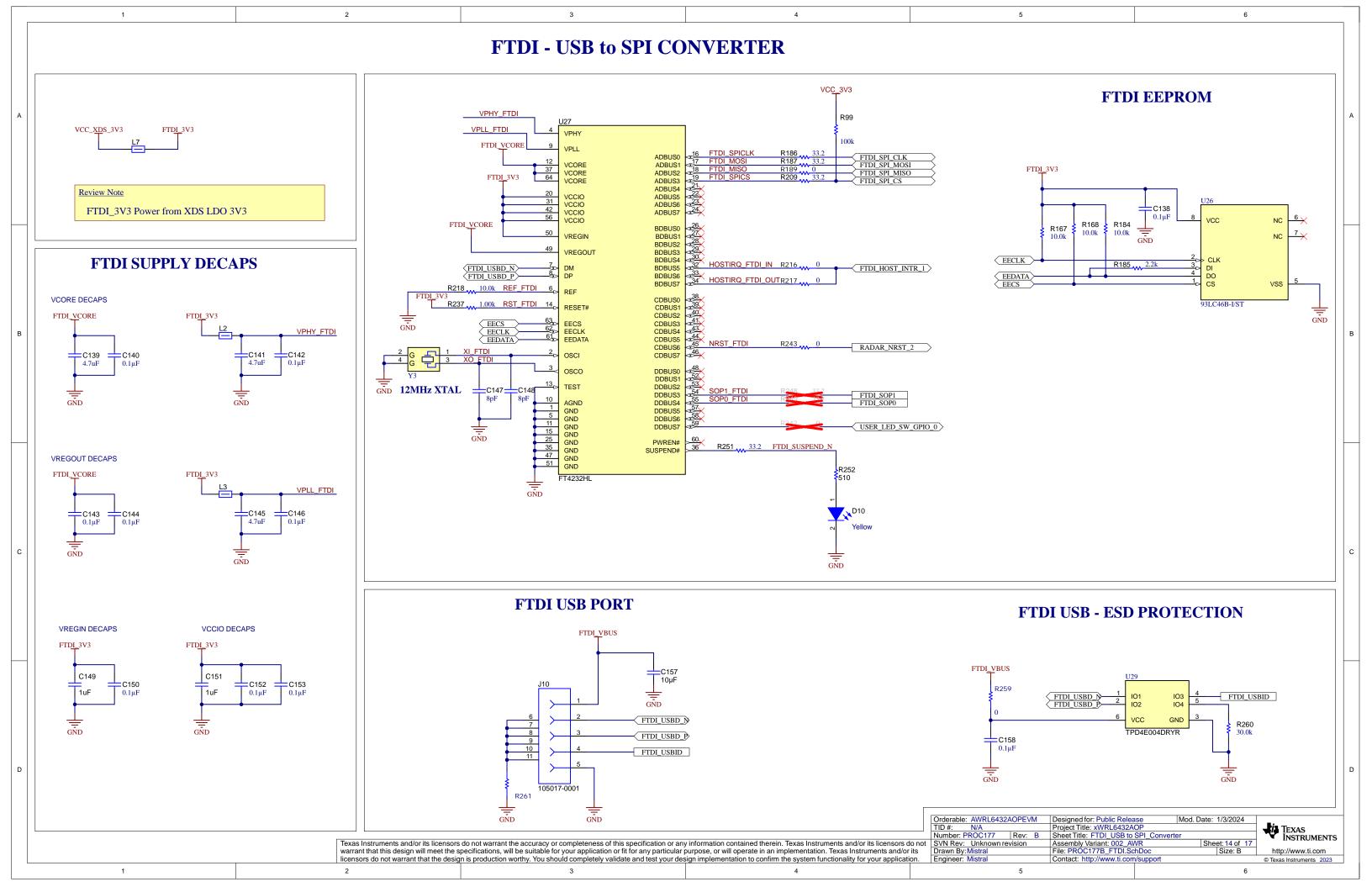


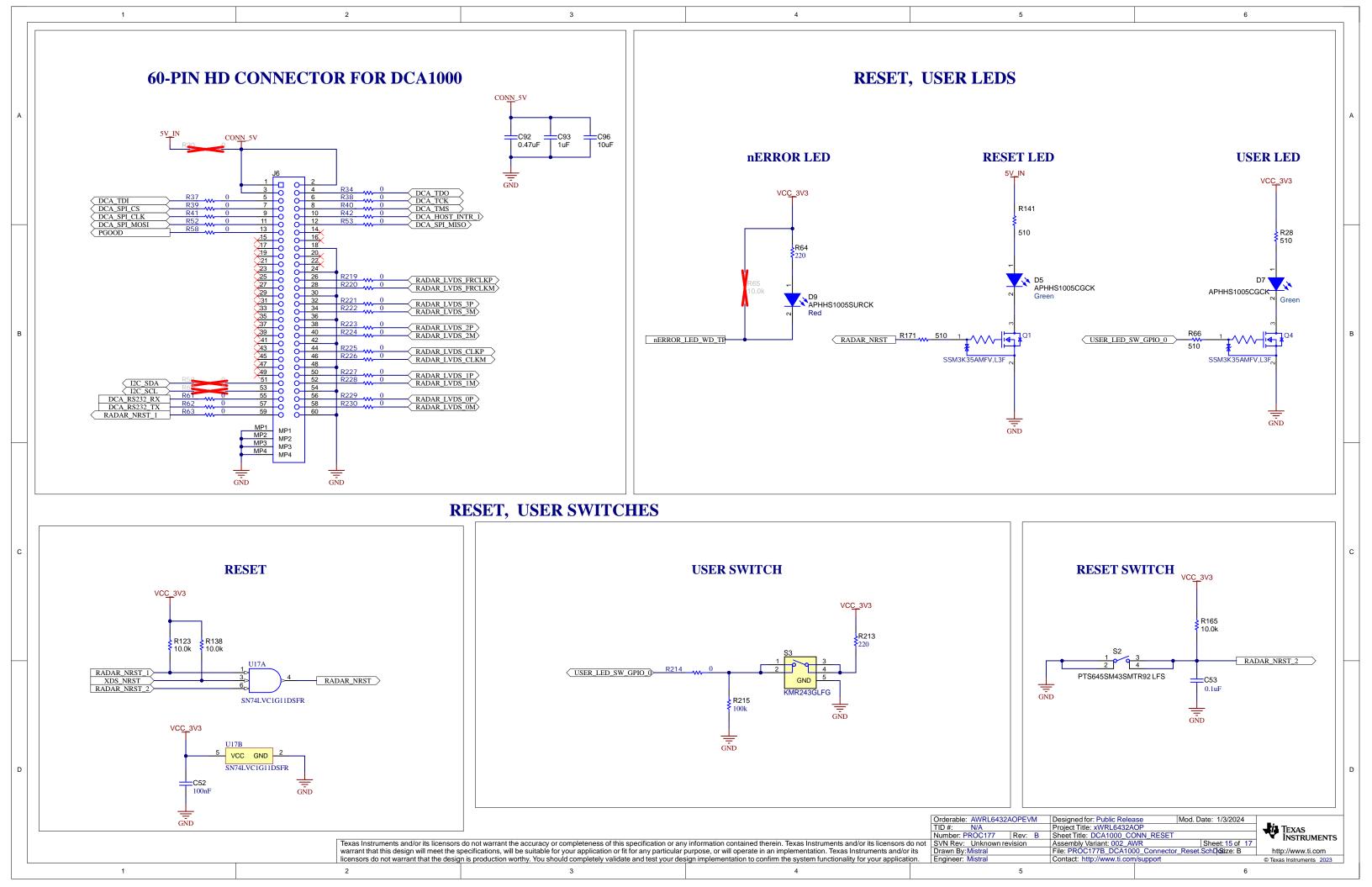


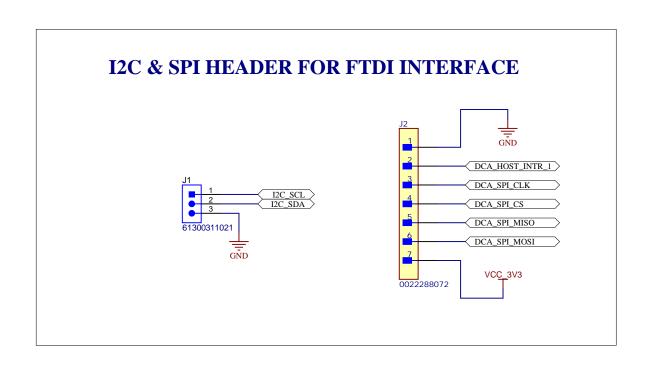


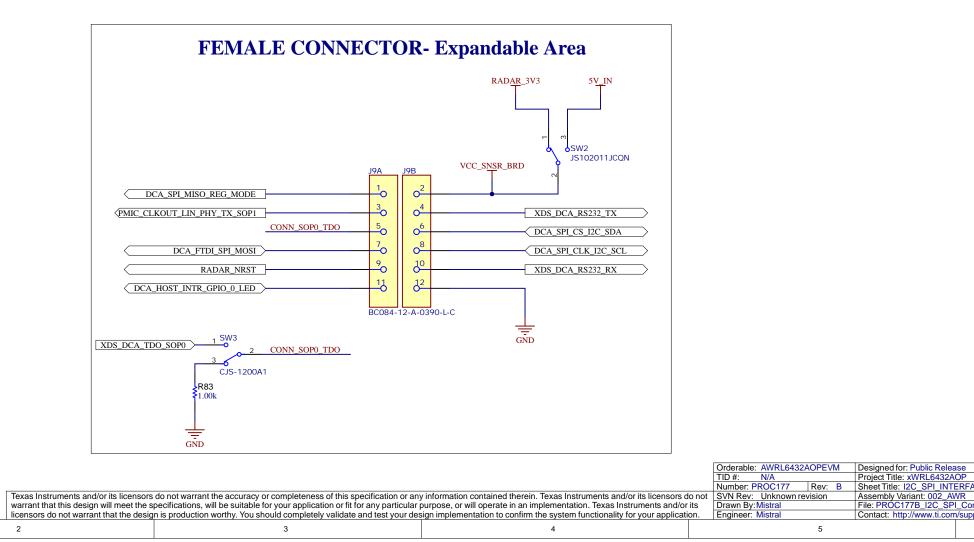












Designed 101: Public Release | Midd. Date. | 1717/2024 |
Project Title: xWRL6432AOP |
Sheet Title: I2C_SPI_INTERFACE_CONN_HEADER |
Assembly Variant: 002_AWR | Sheet: 16 of 17 |
File: PROC177B_I2C_SPI_Connector.SchDoc | Size: B

TEXAS INSTRUMENTS

