Revision History:

Date:	Revision:	Comments:
		Initial Revision
		Additional Notes:

Important Notes about this Schematic:

DESIGN NOTE:
Design notes in gray text boxes give infomation about design requirements and descisions.

LAYOUT NOTE:
Layout notes in red text boxes give infomation regarding layout requirements.

Revision History and Table of Contents

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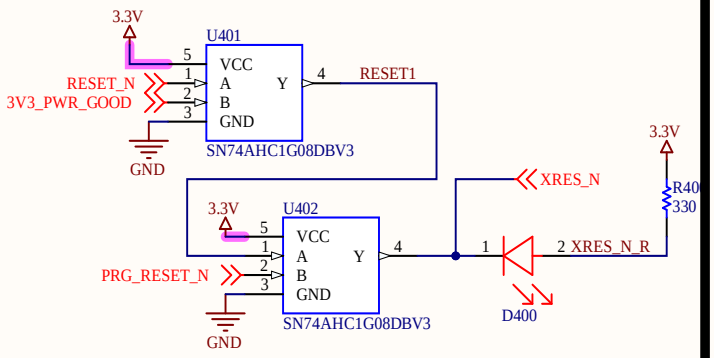
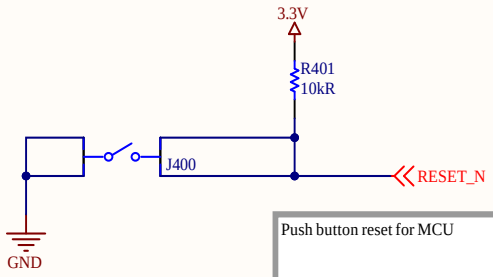
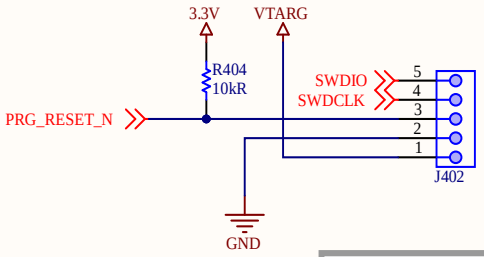
The MCU can be reset by 1 of 3 sources
1. Programmer
2. Push Button Reset
3. 3.3V Voltage Monitor

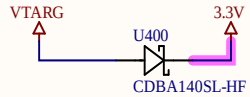




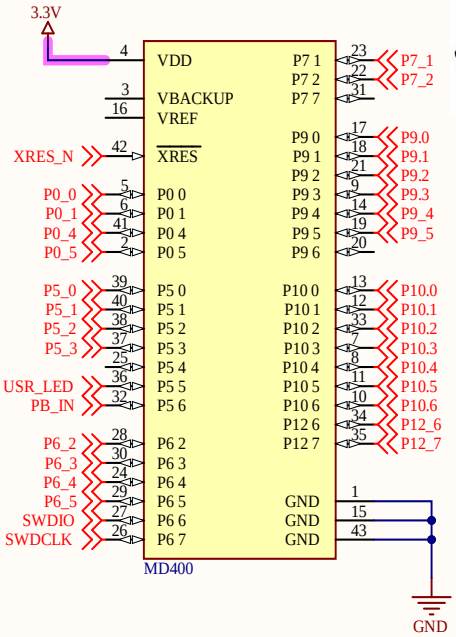
Push button reset for MCU

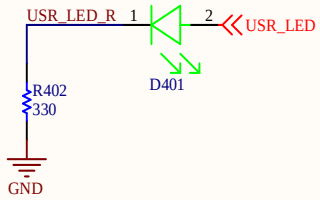


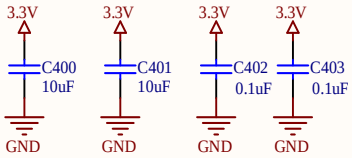
Header for the MiniProg4 Programmer.
The programmer can be used to supply
3.3V to the MCU.

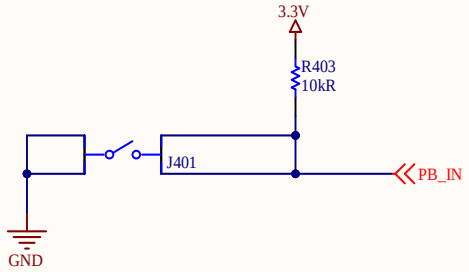


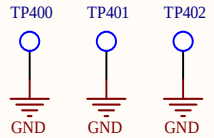
Diode ensures the the programmer target voltage is not connected directly to the 3.3V supply

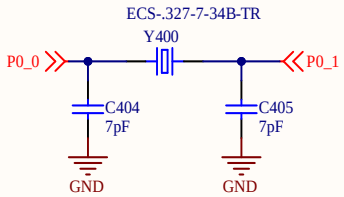












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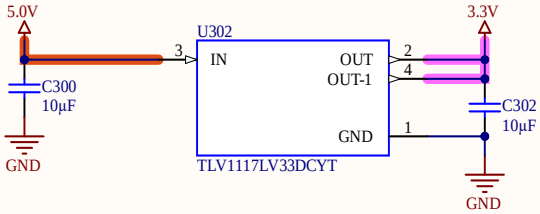

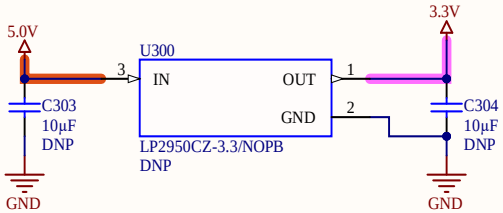

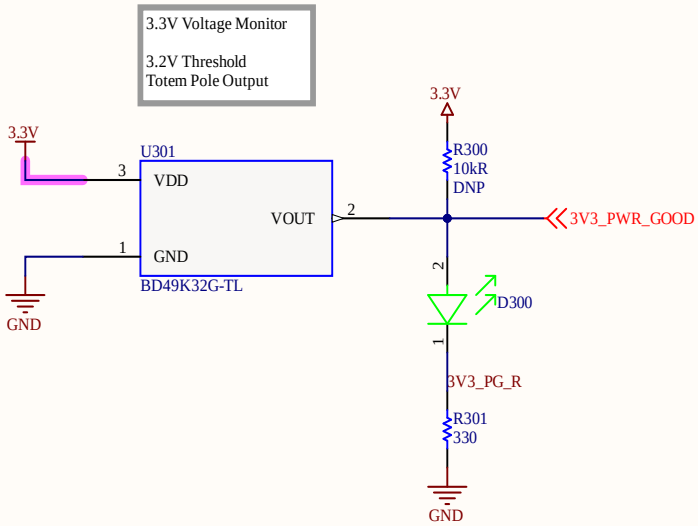

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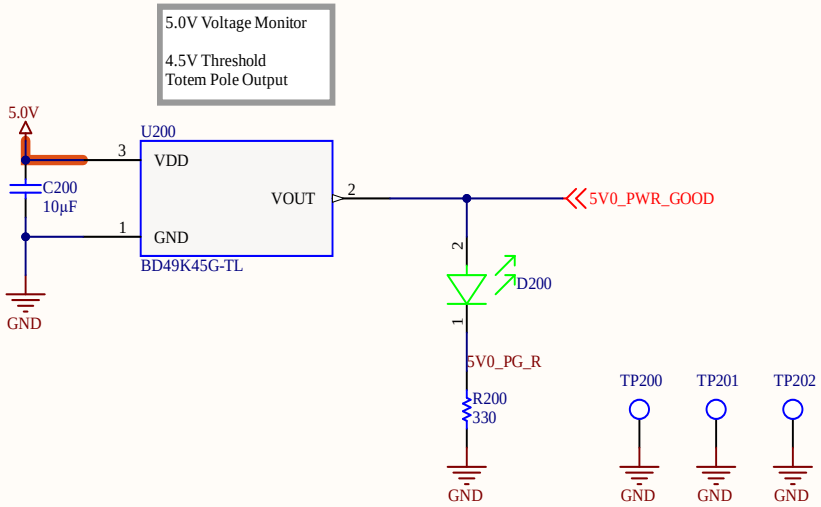

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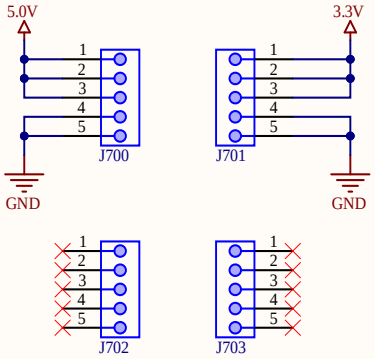

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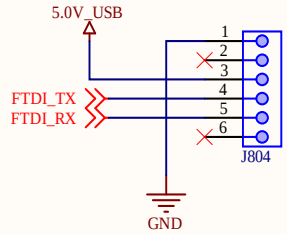
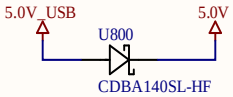
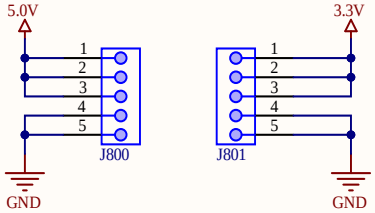
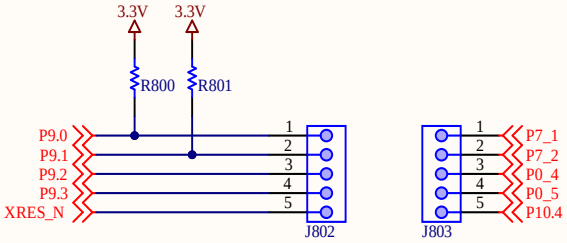






Pin	UART	SPI	I2C	PWM
P9.0	SCB2_RX	SCB2_MOSI	SCB2_SCL	tcpwm_0[4]
P9.1	SCB2_TX	SCB2_MISO	SCB2_SDA	!tcpwm_0[4]
P9.2		SCB2_SCLK		tcpwm_0[5]
P9.3		SCB2_SS0		!tcpwm_0[5]



Pin	PWM	Analog
P7.1	!tcpwm_0[4]	
P7.2	tcpwm_0[5]	
P0.4	tcpwm_0[2]	
P0.5	!tcpwm_0[2]	
P10.4	tcpwm_0[0]	SAMUX[4]

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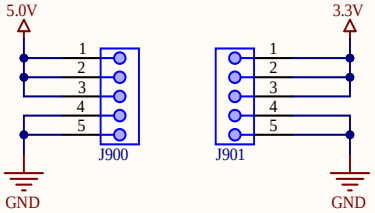

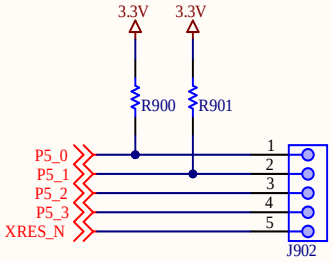

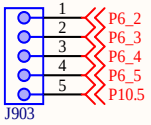

Pin	UART	SPI	I2C	PWM
P5.0	SCB5_RX	SCB5_MOSI	SCB5_SCL	tcpwm_1[4]
P5.1	SCB5_TX	SCB5_MISO	SCB5_SDA	!tcpwm_1[4]
P5.2		SCB5_SCLK		tcpwm_1[5]
P5.3		SCB5_SS0		!tcpwm_1[5]

Pin	PWM	Analog
P6.2	tcpwm_1[9]	
P6.3	!tcpwm_1[9]	
P6.4	tcpwm_1[10]	
P6.5	!tcpwm_1[10]	
P10.5	tcpwm_0[0]	SAMUX[5]

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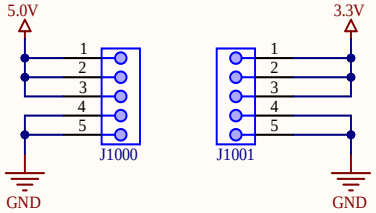

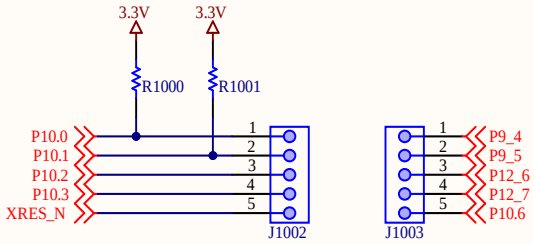

Pin	UART	SPI	I2C	PWM
P10.0	SCB6_RX	SCB6_MOSI	SCB6_SCL	tcpwm_0[6]
P10.1	SCB6_TX	SCB6_MISO	SCB6_SDA	!tcpwm_0[6]
P10.2		SCB6_SCLK		tcpwm_0[7]
P10.3		SCB6_SS0		!tcpwm_0[7]

Pin	PWM	Analog
P9.4	tcpwm_1[0]	
P9.5	!tcpwm_1[0]	
P12.6	tcpwm_1[7]	
P12.7	!tcpwm_1[7]	
P10.6	tcpwm_1[2]	SAMUX[6]

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