

Revision History:

Date:	Revision:	Comments:
		Initial Revision
		Additional Notes:



Important Notes about this Schematic:

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

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

NAME: Thomas Nguyen

NAME: Zander Keith

NAME: Omar Kurosu Jalil

NAME: Reese Kuper

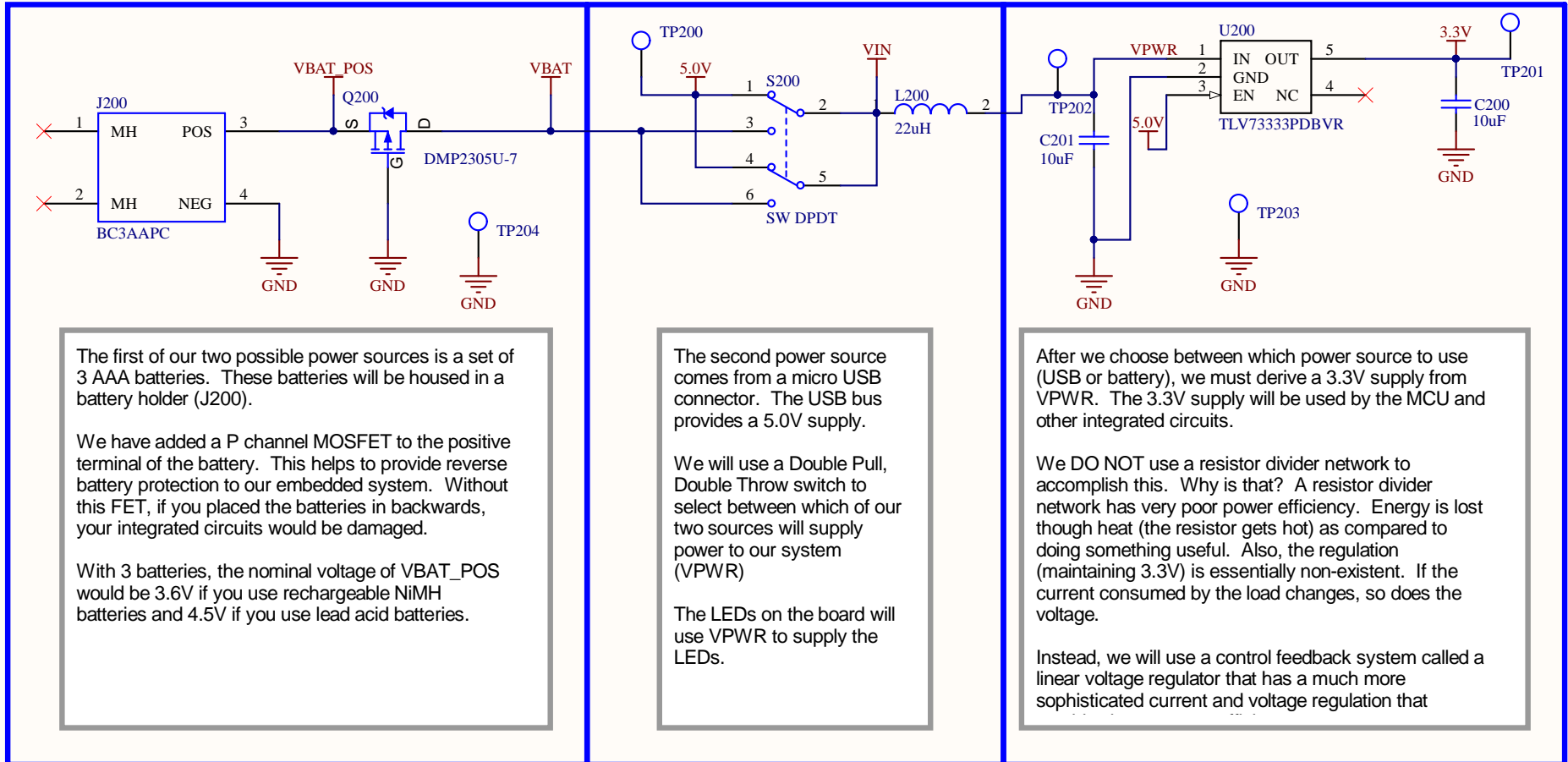
Revision History and Table of Contents

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Power

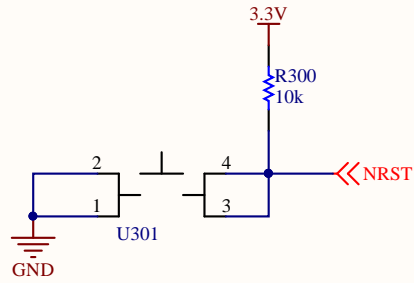


NAME: Reese Kuper NAME:Omar Kurosu Jalil

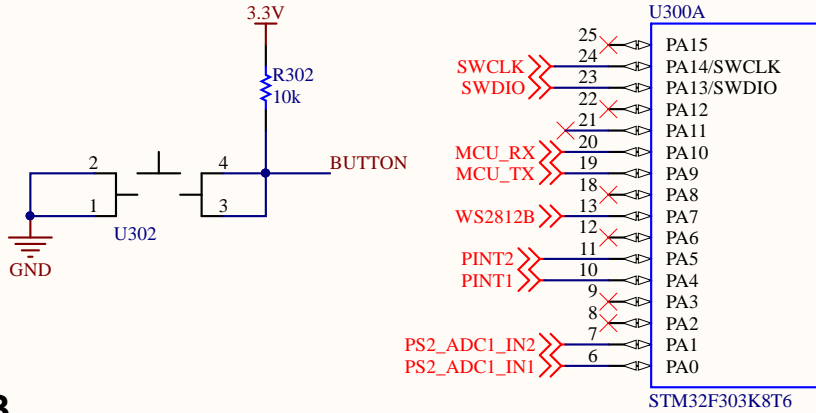
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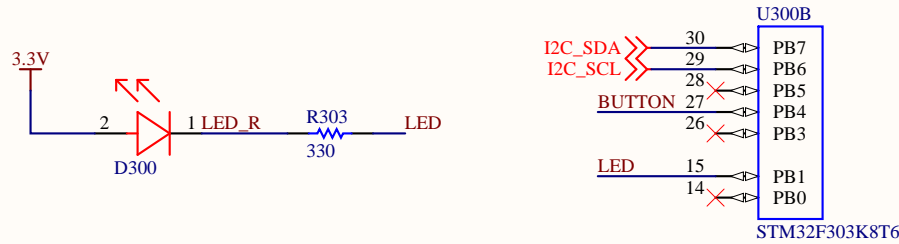
Reset Button



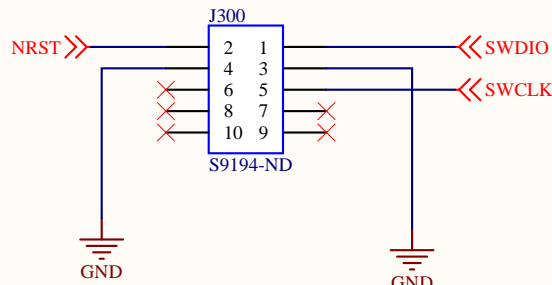
Port A



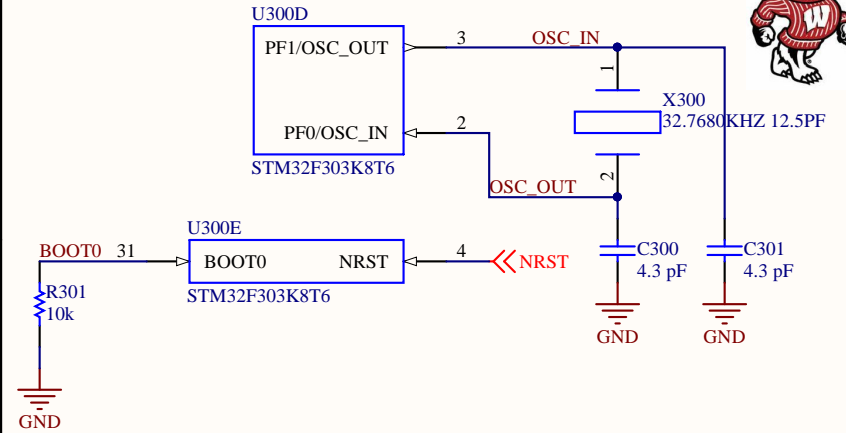
Port B



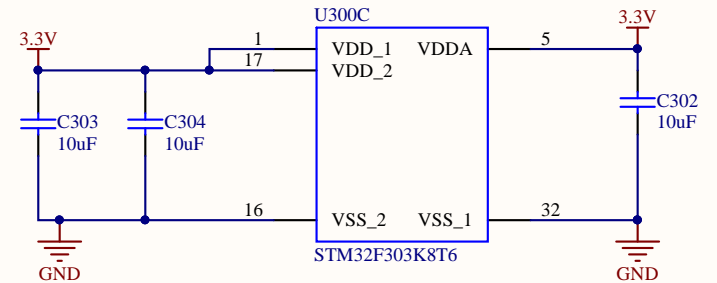
Programming Header



MCU Misc



MCU Power

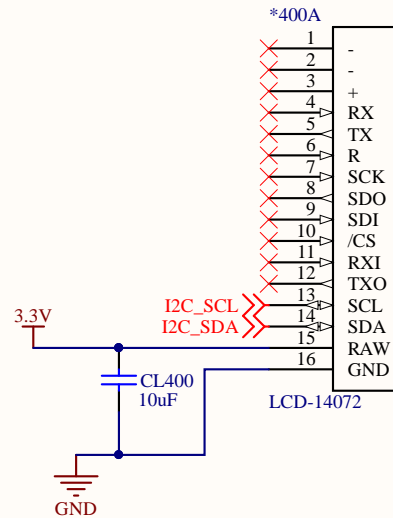
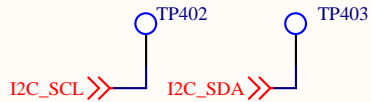


NAME: TEAM 05

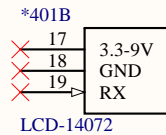
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I2C Devices

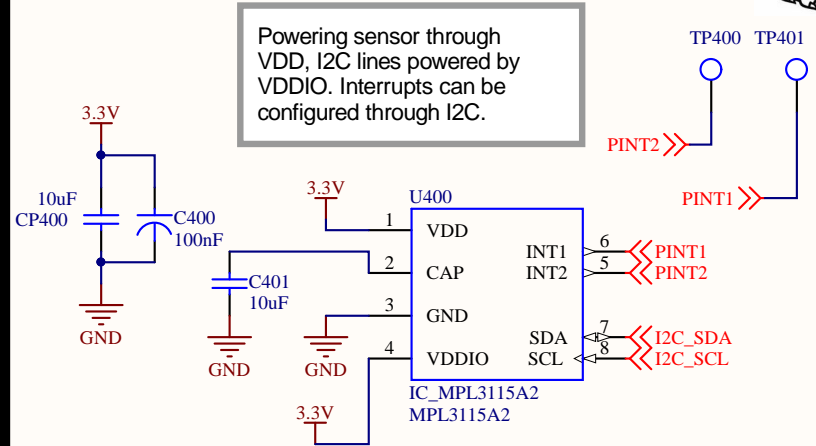


Only using I2C to communicate with LCD, no Serial required



LCD

Pressure Sensor



Powering sensor through VDD, I2C lines powered by VDDIO. Interrupts can be configured through I2C.

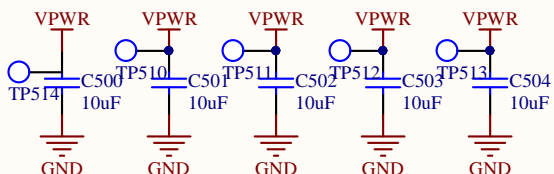
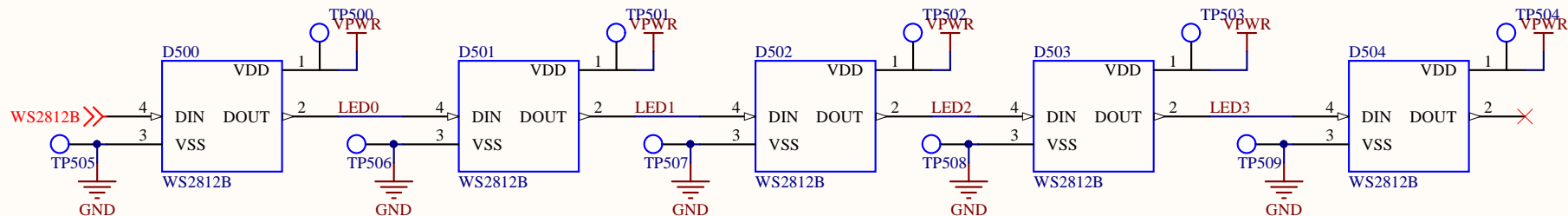
NAME: Thomas Nguyen

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NAME: Zander Keith

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GPIO Devices



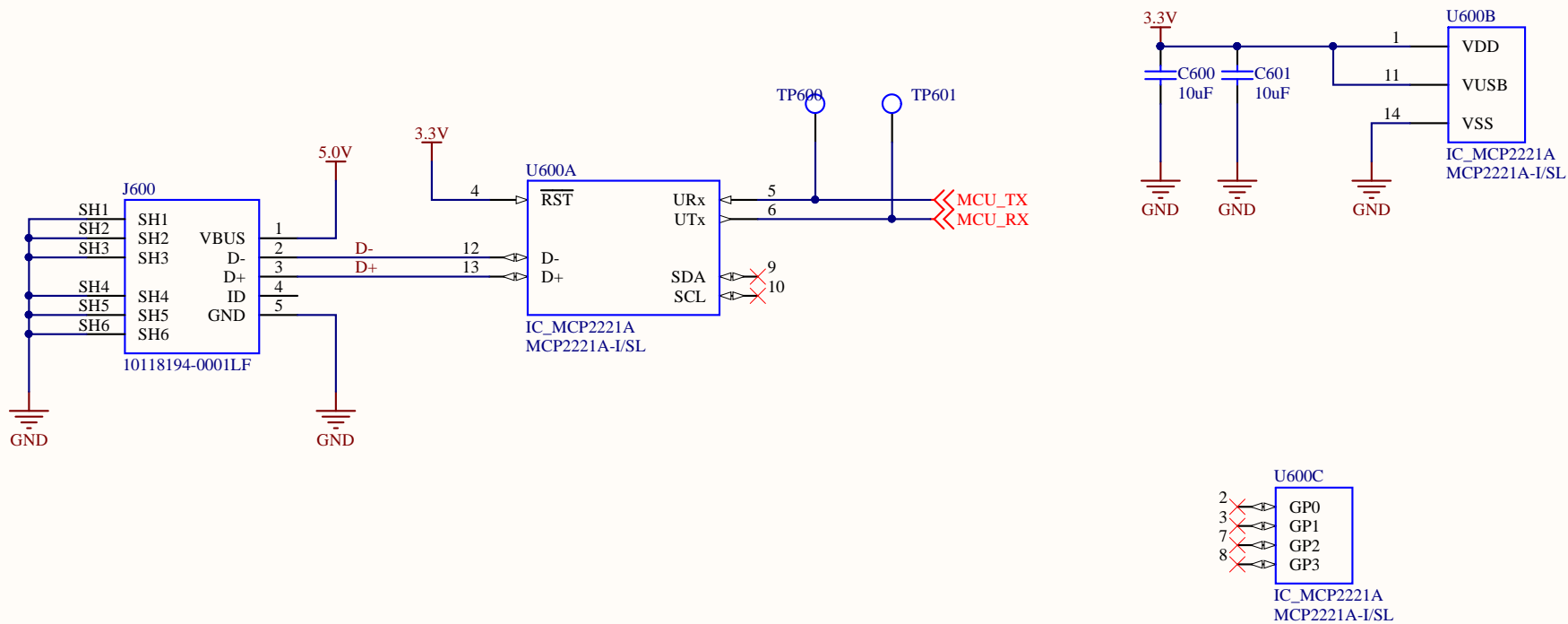
NAME: Reese Kuper

NAME: Omar Kurosu Jalil

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USB to UART



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TEAM 05

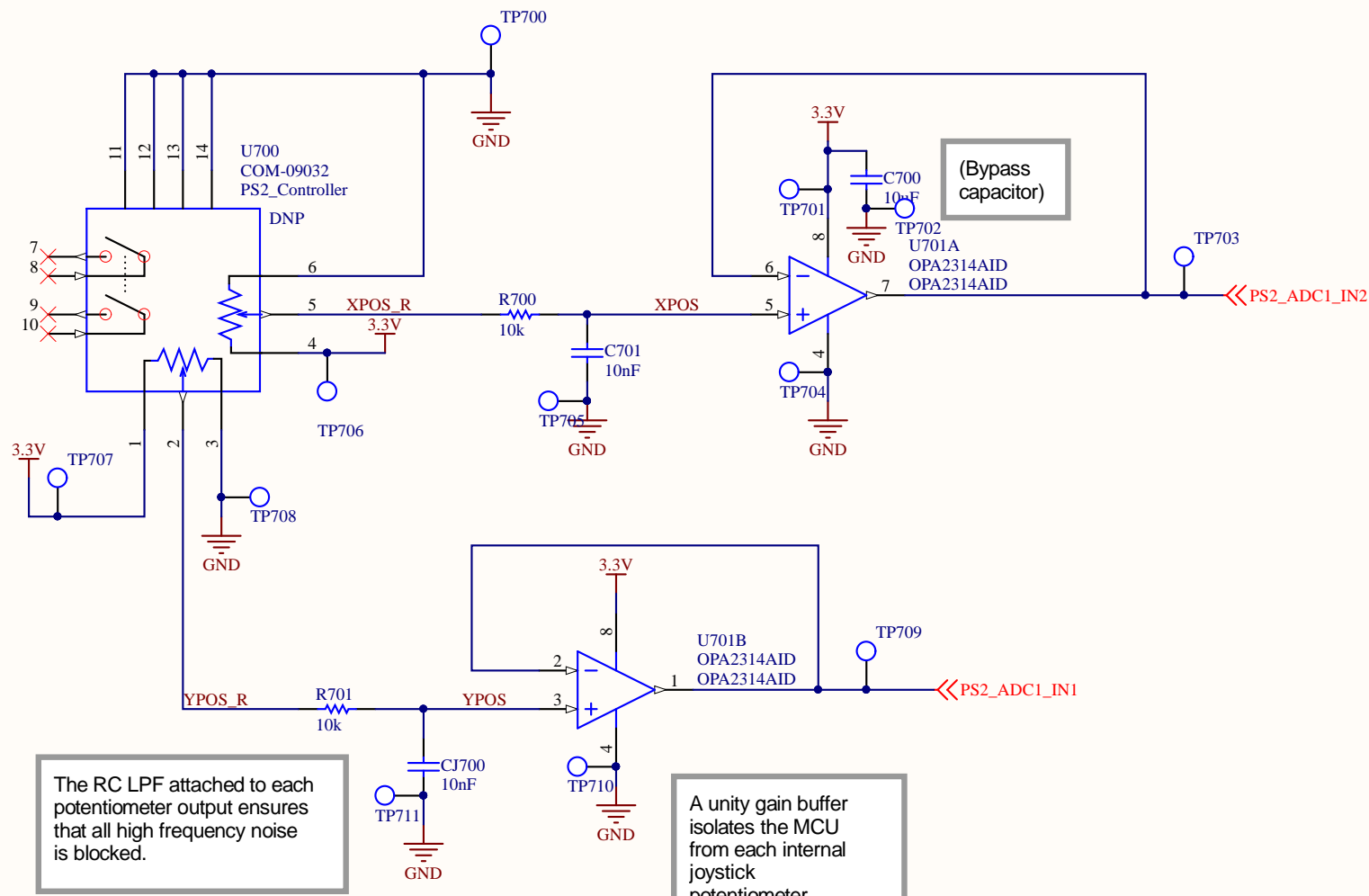
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PS2 Joystick



The pushbutton capability of the joystick will not be utilized.



The RC LPF attached to each potentiometer output ensures that all high frequency noise is blocked.

A unity gain buffer isolates the MCU from each internal joystick potentiometer

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NAME: Thomas Nguyen

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