

# Interface Converters

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## Overview

Interface converters provide a means of communication from the main computer to peripheral microcontrollers. Interface converters are responsible for translating USB communications into UART, SPI, and any other serial communication protocol required.

## Timeline

1. Creation of Schematic (October 9th)
2. Footprint Association and Part Selection (October 15th)
3. Routing the PCB (November 10th)
4. Revise (November 15th)
5. Order PCB (November 21st)

## Design

The interface converter will allow for two different means of connecting to it: either through a female mezzanine connector or alternatively through a female connector to a cable harness as specified by the harnessing project.

## Resources

Part	Description	Datasheet
<a href="#">FT232H</a>	IC for converting USB to multiple different interfaces.	<a href="#">Datasheet</a>

From:

<https://robosub.eecs.wsu.edu/wiki/> - **Palouse RoboSub Technical Documentation**

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<https://robosub.eecs.wsu.edu/wiki/ee/interface-converters/start?rev=1474959580>

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