

Connecting the Blocks

spi_ctrl Block

- Input: clk (System clock)
- Outputs:
 - acc_mosi (sends commands to the accelerometer)
 - acc_sclk (SPI clock)
 - acc_cs (selects the accelerometer chip)

acc_controller Block

- Input: acc_miso (receives data from the accelerometer)
- Outputs: Processed data for conversion

twos_complement_to_ascii Block

- Input: Processed data from the accelerometer
- Output: Data converted to ASCII

uart_tx Block

- Input: ASCII data
- Output: uart_tx (transmits data via UART to a PC or other device)



Revision #1

Created 3 April 2025 17:32:48 by Caroline

Updated 3 April 2025 19:16:54 by Caroline