

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

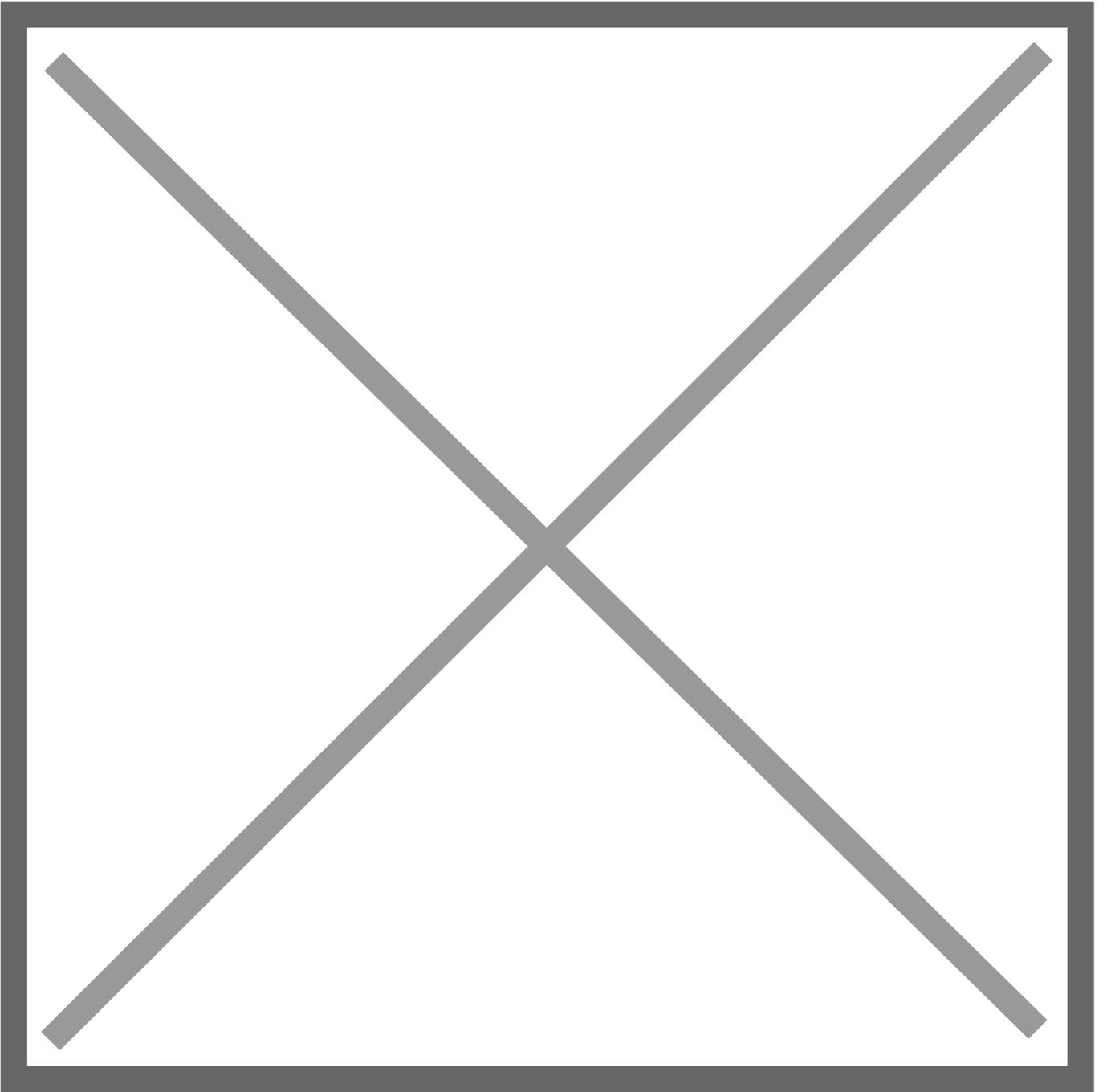
- Input: acc_miso (receives data from the accelerometer)
- Outputs: Processed data for conversion

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)



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