

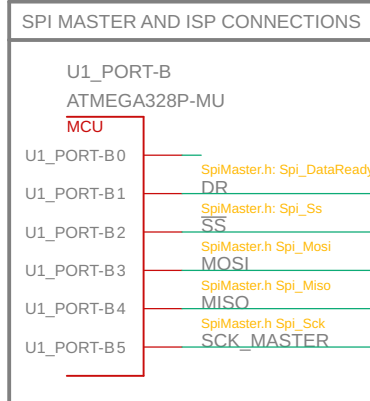
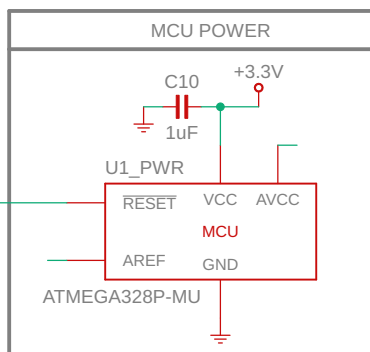
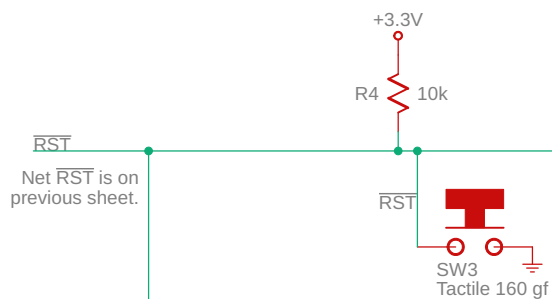
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DEV-KIT USB-OUT INTERFACE
POWER, USB, AND FT1248 TO MCU

TITLE: usb-bridge

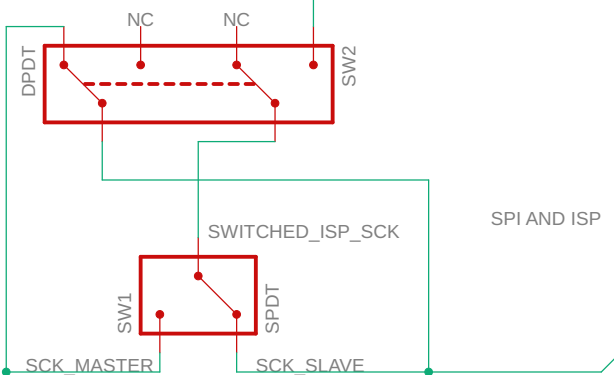
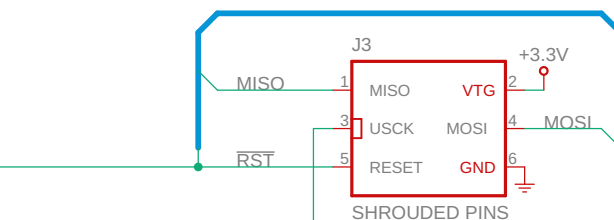
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--- THIS BOARD IS THE SPI MASTER ---

ISP HAS A SWITCHED-CLOCK TO PROGRAM TWO MCUs



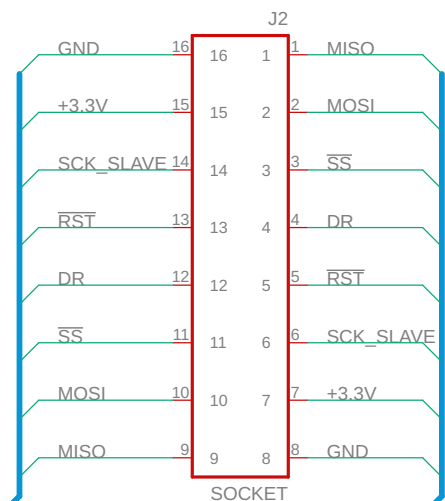
TO PROGRAM (ISP mode):

- Connect programmer to ISP header.
- Slide SW2 to USCK.
- SW1 controls which MCU is programmed:
 - SCK_MASTER: this board
 - SCK_SLAVE: board connected via SPI header

NORMAL OPERATION (SPI mode):

- Slide SW2 back to SCK_MASTER for normal operation.
- SW1 position does not matter under normal operation.

SPI BOARD-TO-BOARD CONNECTOR



--- SOCKET HEADER CONNECTS TO SPI SLAVE ---

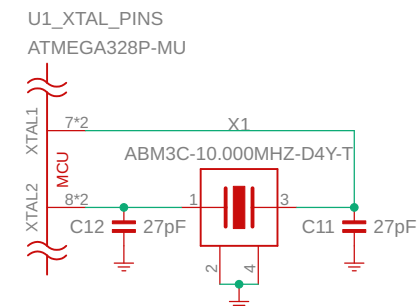
1. Pins are doubled for breakout convenience:

- pull boards apart
- use jumpers to connect the boards
- use spare sockets to probe signals

2. Pin layout allows boards to rotate

- kit ships with compact layout
- rotate usb-bridge PCB to access vis-spi-out PCB:
- dark-correct trimpot
- dark-correct on/off slider
- i2c header

MCU: 10MHz EXTERNAL OSCILLATOR



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DEV-KIT USB-OUT INTERFACE

SPI HEADER AND MCU PROGRAMMING

TITLE: usb-bridge

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