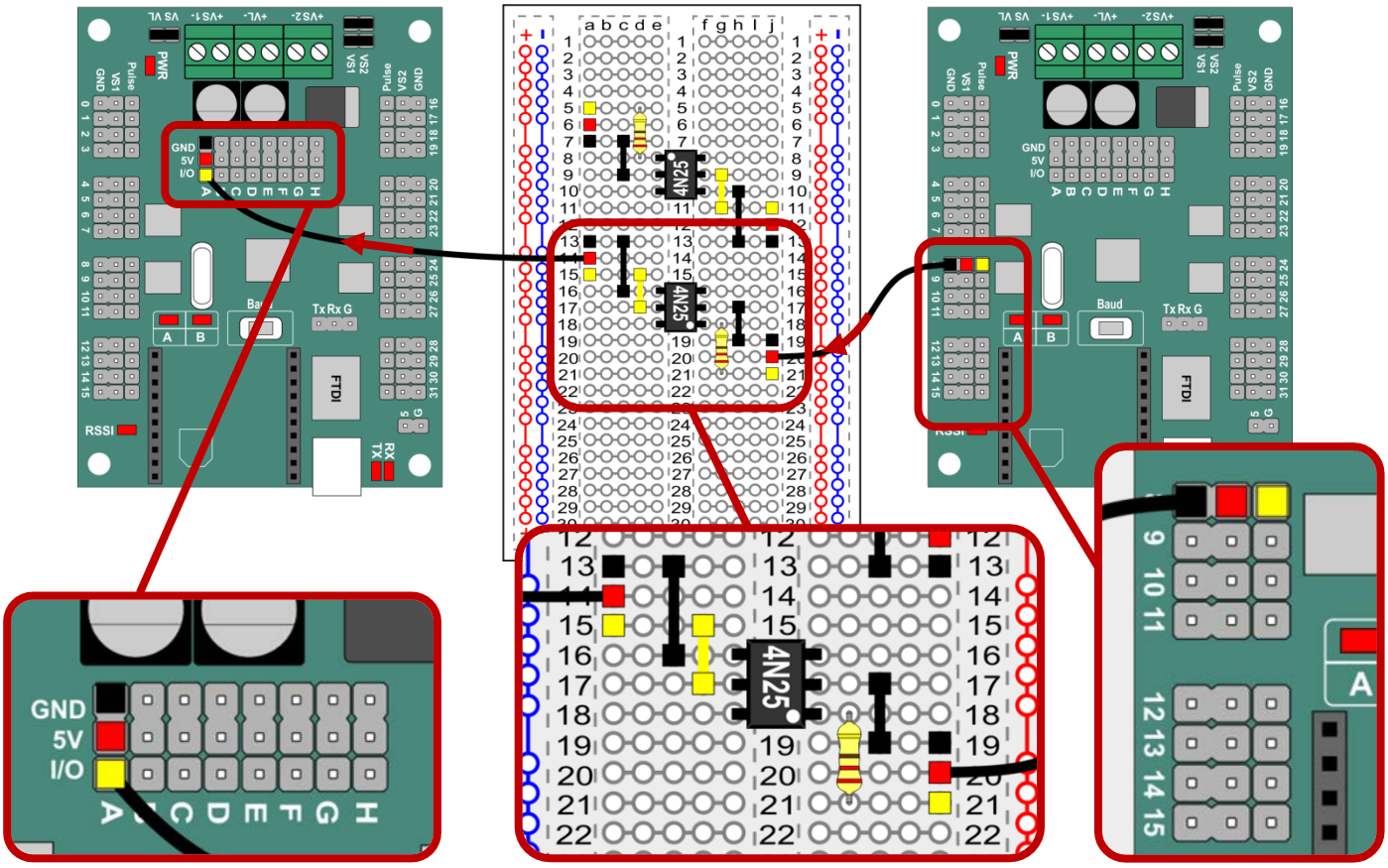
USB SSC32
SSC32U to SSC32U Handshaking Layout



INPUT

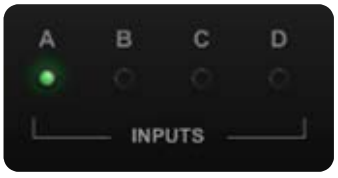
Input ports A-D on the SSC32U can be used to RECEIVE signals into a FlowArm program

Input A: Rewinds and starts a program from the beginning

Input B: Restarts a program from a pause

Input C: Restarts a program from a pause

Input D: Stops a program



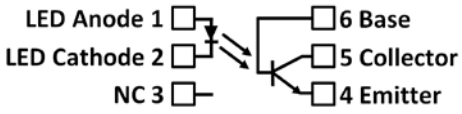
HANDSHAKING

The optical isolator is used to safely send a signal from like or unlike devices.

The 4N25 contains a gallium arsenide infrared emitting diode optically coupled to a monolithic silicon phototransistor detector.

Use a 220Ω resistor and a jumper wire to connect the PWM cable from an OUTPUT on the SSC32U to pin 1 and 2 to activate the LED. Use a 2 short jumper wires to connect the phototransistor to the PWM cable to an INPUT on the SSC32U.

Note: Pin 1 is identified on the optical isolator



OUTPUT

Output ports 8-15 can be used to SEND signals from the SSC32U

To record an output in the FlowARM software, click on the output toggle that matches the output port your PWM cable is attached to. Once the output is toggled the frame should be recorded. The signal will continue to be sent for the duration of the frame.

Note: An output signal may not be set as the last step in a program.