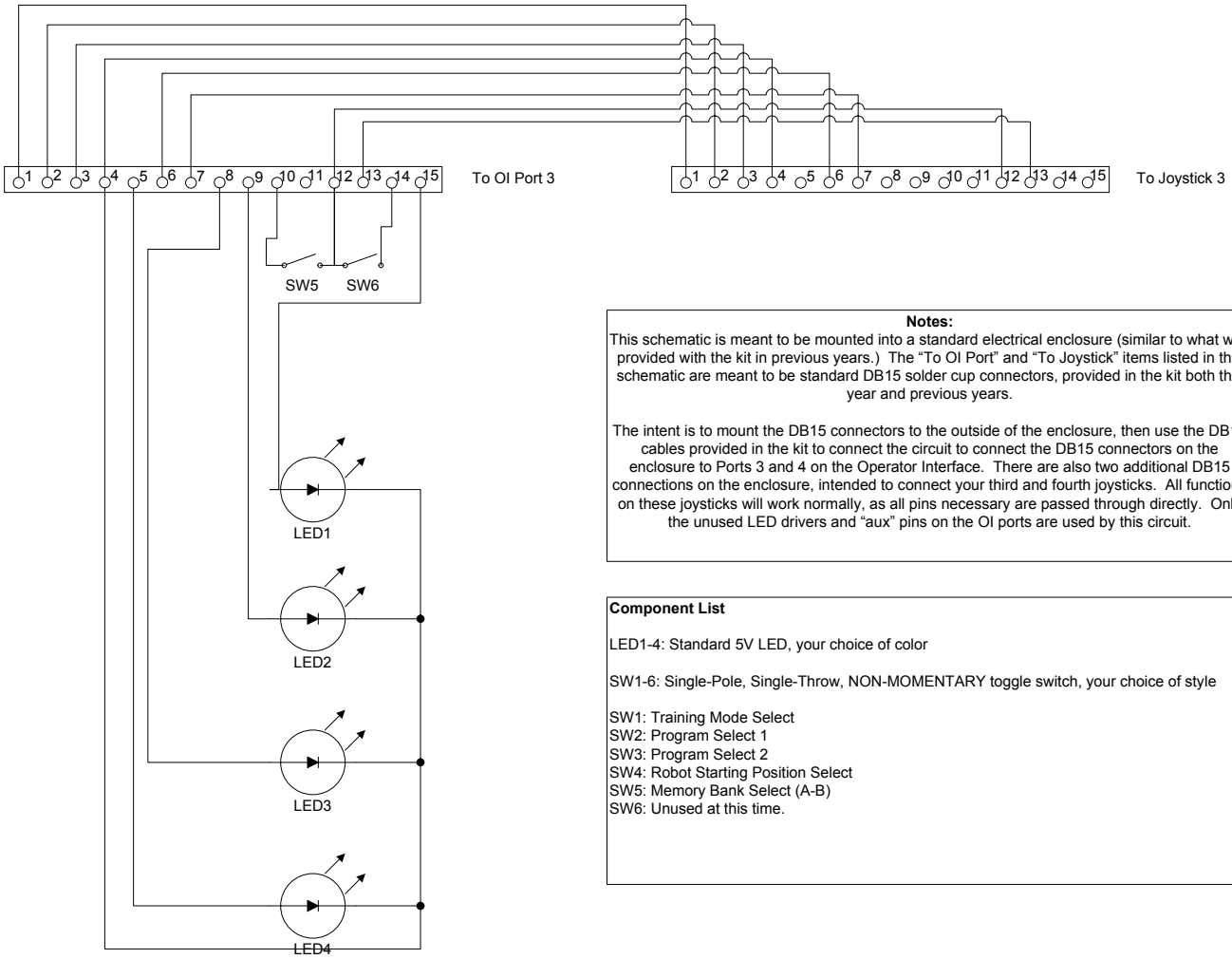


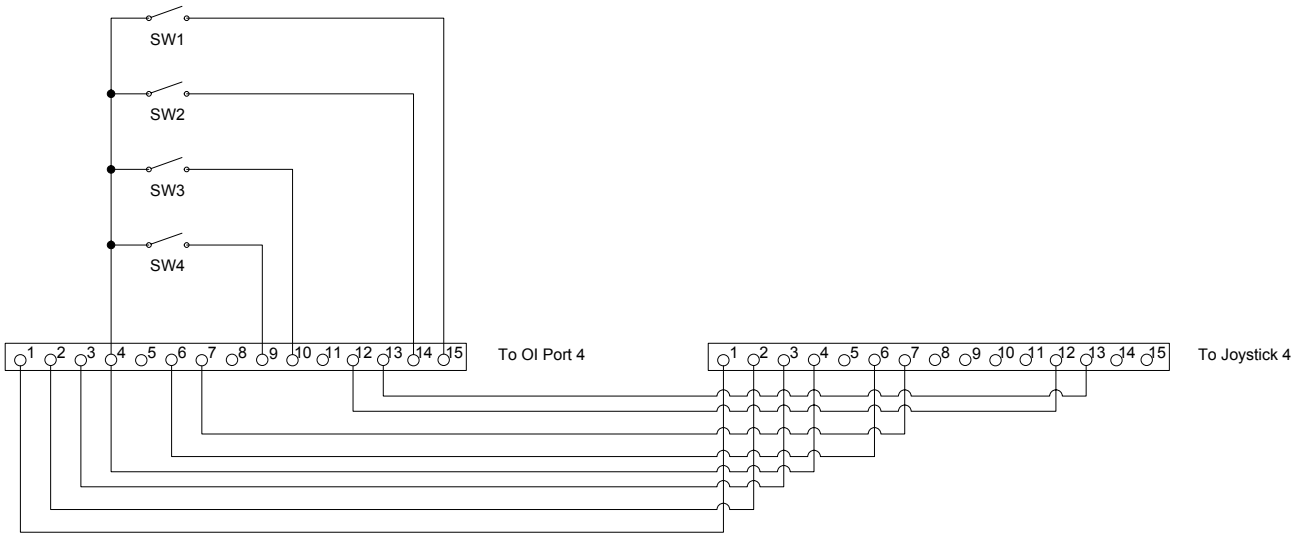
Notes:

This schematic is meant to be mounted into a standard electrical enclosure (similar to what was provided with the kit in previous years.) The "To OI Port" and "To Joystick" items listed in this schematic are meant to be standard DB15 solder cup connectors, provided in the kit both this year and previous years.

The intent is to mount the DB15 connectors to the outside of the enclosure, then use the DB15 cables provided in the kit to connect the circuit to connect the DB15 connectors on the enclosure to Ports 3 and 4 on the Operator Interface. There are also two additional DB15 connections on the enclosure, intended to connect your third and fourth joysticks. All functions on these joysticks will work normally, as all pins necessary are passed through directly. Only the unused LED drivers and "aux" pins on the OI ports are used by this circuit.

Component List

LED1-4: Standard 5V LED, your choice of color

SW1-6: Single-Pole, Single-Throw, NON-MOMENTARY toggle switch, your choice of style

SW1: Training Mode Select
SW2: Program Select 1
SW3: Program Select 2
SW4: Robot Starting Position Select
SW5: Memory Bank Select (A-B)
SW6: Unused at this time.