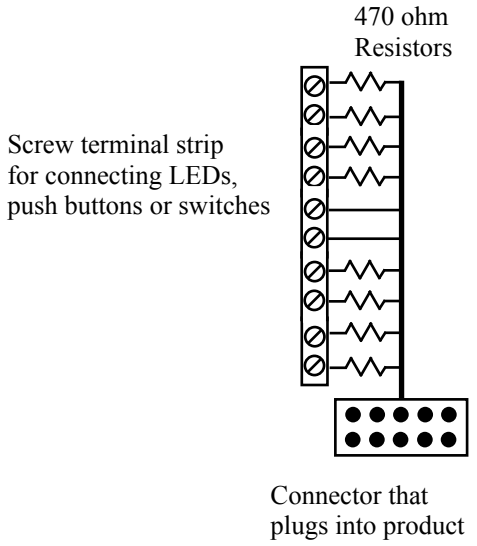
TSA
Terminal Strip Adapter

> Provides screw terminal connections
> Plugs directly into product connectors
> No cable connections required
> Built in current limit resistors
> Use for inputs and outputs



WARNING: This product contains a chemical known to the state of California to cause cancer, birth defects or other reproductive harm.

10.12.04

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Operation:

The TSA is a terminal strip adapter used to make easy connection to Team Digital products. It plugs directly into the the connectors on the SIC24 and SRC8. This eliminates the need for ribbon cable and additional connections.

The TSA has 10 screw terminals to connect wires to individual LEDS or signals. Each of these 10 screw terminals is connected to one of the 10 pins in the SIC24 or SRC8 connectors. Each adapter has a screw terminal for eight inputs or outputs and 5 volts and ground . There are eight build in resistors to limit LED current. Resistors are required with LEDs to limit the amount of current flowing through the LED. Even though the TSA has build in resistors it can also be used for connecting to inputs.

The TSA can be used for connecting stall motor switch machines. However, the resistors will have to be shorted out. That is, a jumper wire will have to be soldered across the resistor to effectively remove it from the circuit.

In some cases just plugging the TSA into the product will not provide enough support for the board. A hole in the end of the board can be used for securely mounting the TSA to the same surface the SIC24 or SRC8 is mounted to.

The TSA board can be plugged in to the SIC24/SRC8 connectors in either direction. However, pin 1 of the screw terminal depends on which direction it is plugged in. See figure 1 below.

Figure 2 shows the relationship between the screw terminal and the corresponding resistor.

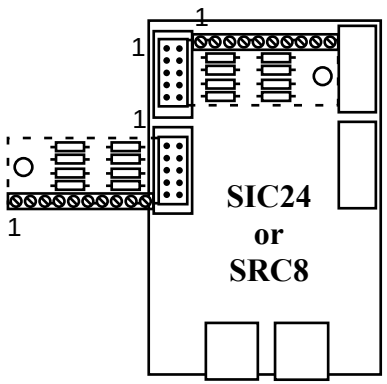

Figure 1

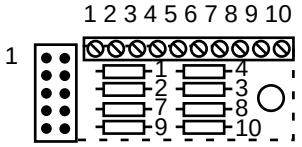

Figure 2