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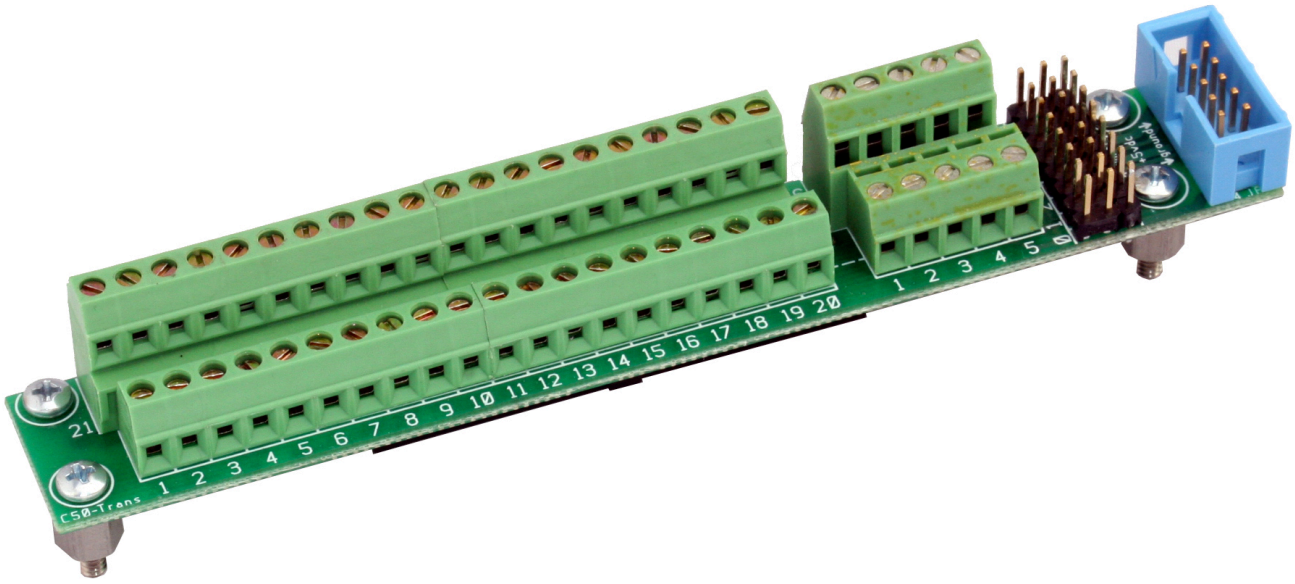
# C-50Trans Transition Connector

**(Sd-50/40)**




The **C-50Trans** is a convenient way to attach discrete wires to a Sd-50/xx for the forty digital (on/off) Show Control Outputs. It attaches right to the top of a **Sd-50/40**. It also provides convenient connections for up to eight model airplane-style PWM ServoMotors.

You install a **C-50Trans** by:

1) Locating the threaded mounting holes in the case top of the **Sd-50/40**. Position the **C-50Trans** on the top of the case by plugging it into the forty position J-6 connector. It has a polarizing 'bump' on one side, so it will only go in the correct way. Use a pin or other pointy object to poke a hole through the **Sd-50/40's** label at each of the four mounting holes. Remove the **C-50Trans** from the **Sd-50/40**. Use an X-acto or other sharply pointed knife to remove the label where it covers the threaded hole beneath. You only need to expose the hole. No additional label material around the hole should be removed. Be careful not to damage the threads as you remove the label.

2) Install the four 4–40 x ¼" tall male/female spacers into the four mounting holes in the top of the **Sd-50/40**. To make them the required 5/16" tall, install two 1/32" thick washers under each standoff before you screw it down.
3) Plug the **C-50Trans** into the **Sd-50/40**. It has a polarizing 'bump' on one side, so it will only go in the correct way.
4) Screw the **C-50Trans** down using the four 4–40 x 3/16" screws.
5) The ten position ribbon cable plugs into the '¼ J6' connector on the end of the **Sd-50/40**.

You can now terminate discrete wires into the **C-50Trans**. If you are attaching ServoMotors, just switch the '¼ J6' Internal/External Power to the 'External' power position. Attach your ServoMotors' five vdc supply to screw terminals #1 (ground) and #10 (+5 vdc) of the '¼ J6' screw terminal block. Plug the servos into the headers and configure the appropriate outputs for ServoMotor PWM control.