



DIY Fascia Controller Board Instructions

The DIY Fascia Controller Board plugs into an I/O port on the QuadLN_S stationary decoder using a Servo Extension Cable.

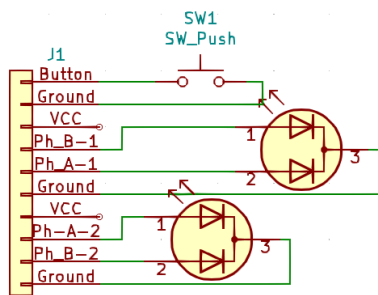
The DIY Fascia Controller board includes LED drive electronics and all required resistors. User provided pushbutton and LEDs can be wired directly to the board.

Common Cathode, Common Anode, 2-Lead Bi-Color and 2-Lead Single Color LEDs are supported.

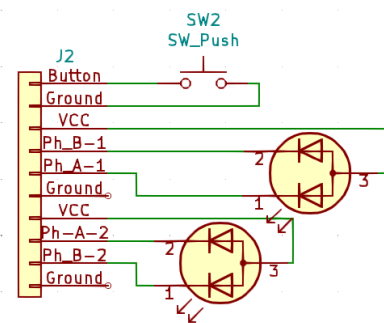
LED outputs are provided for two “Phases” called “A” and “B”. The outputs for each Phase have opposite polarities. When Phase A is high, Phase B is low. When Phase A is low, Phase B is high.

There are 4 LED drive outputs. A1 and A2 are the Phase A outputs, and B1 and B2 are the Phase B outputs. The LED outputs are arranged to make connection to your LEDs as easy as possible. The diagrams below show how to use the outputs for each type of LED.

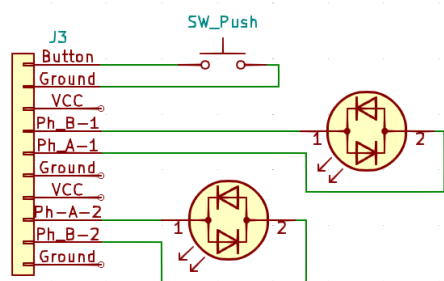
Each LED output includes 300 ohm series resistance by default. Each LED output has a solder jumper option to reduce the resistance to 150 ohms and a track cut option to increase the resistance to 600 ohms when required to balance the light intensity of the two colors.



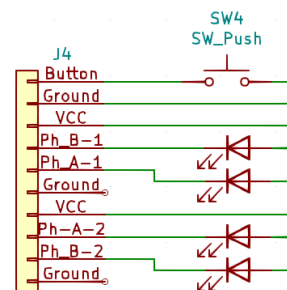
Common Cathode



Common Anode



2 Lead Bi-Color



Single Color

Add solder jumpers on all four outputs for 300 ohm total series resistance.