

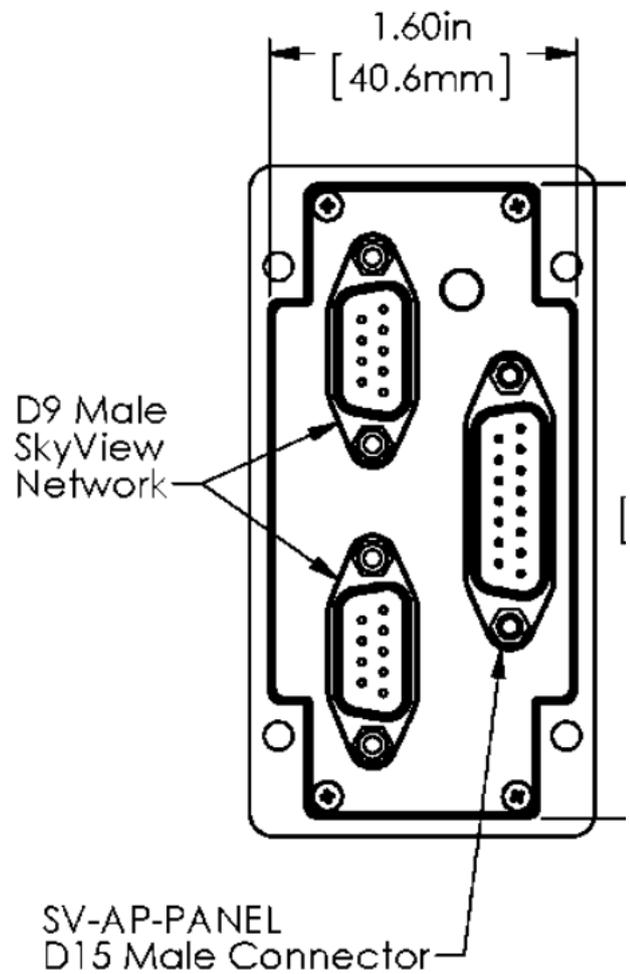
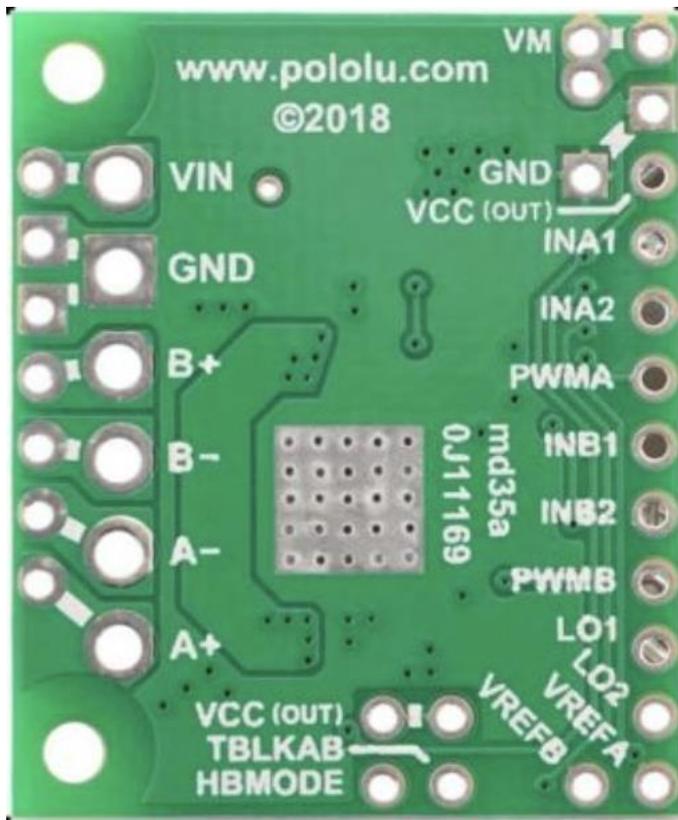
## DYNON TRIM CURRENT AMPLIFIER

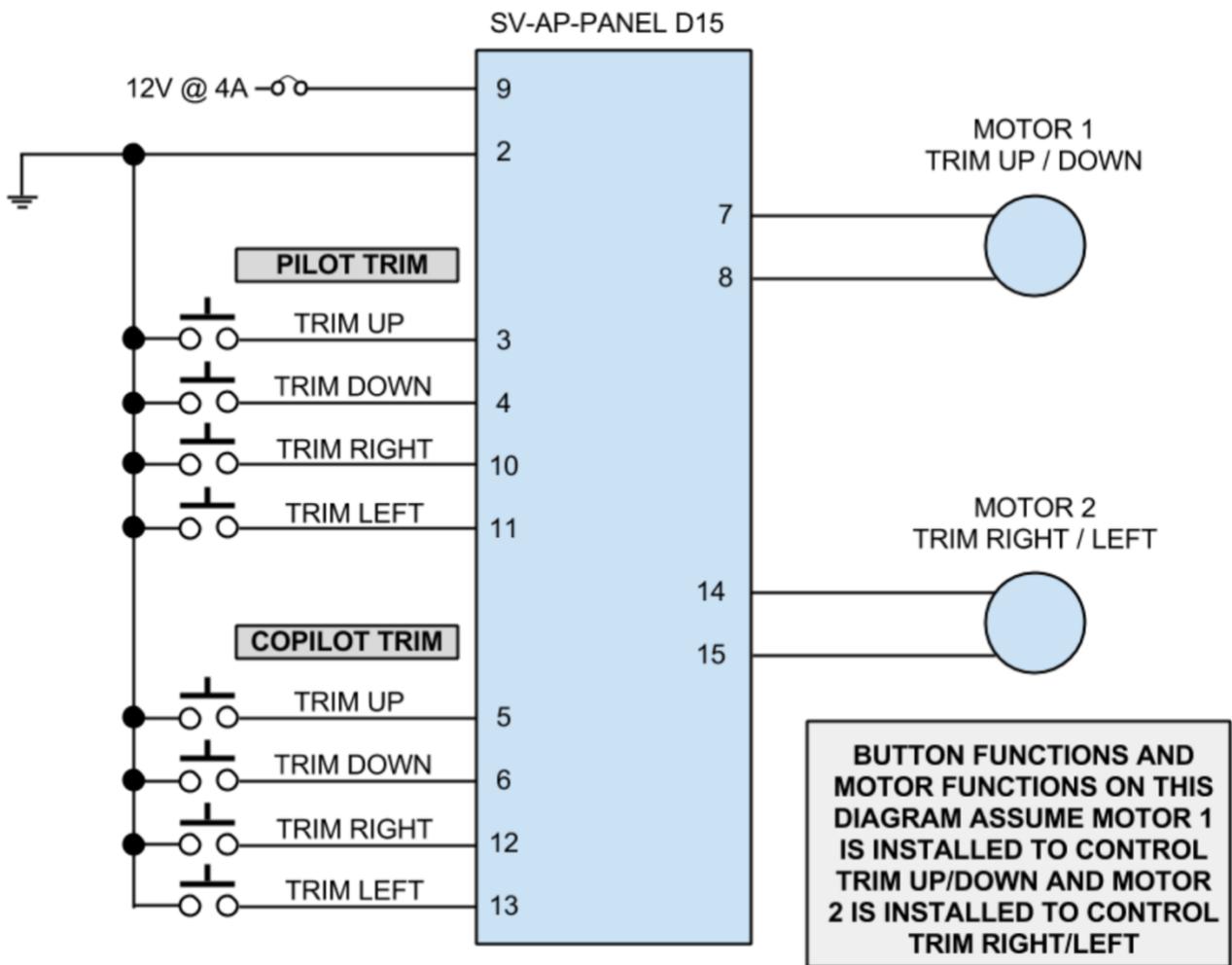
Using a Pololu Dual/Single Motor Driver Carrier TB67H420FTG (25.4mm x 30.5mm) \$9.95USD

Increasing Current from max of 2amps to 3.4 Amps continuous and 9 Amps for a few seconds

### Board Connections

- 12v & 0v from wiring to Trim Controller
- HBMODE pin to Vcc (Single Chanel Mode) parallels outputs of H-Bridges A- & A+ || B- & B+
- PWMA pin to Vcc enabling Dynon Trim outputs to control driver outputs
- INA1 & INA2 from Dynon Trim Motor Outputs via voltage divider to provide <5v signals eg. 62ohm resistor from both INA1 & INA2 to 0v and series 158ohm to Dynon Trim Controller Motor Outputs providing <5v signal and draw ~80mA from the Dynon Outputs.





### DB15 Connector Wiring

DB15 Pins Straight through  
3,4,5,6

Female DB15F (150mm leads)  
7, 8 Dynon Motor Output  
9 – 12v  
2 – 0v

Motor Driver Pin  
INA1 & INA2 via 158ohm resistor  
VIN  
GND

Male DB15M (Short Leads)  
9 – 12v  
2 – 0v  
7,8 Driver Motor Output

VIN  
GND  
A+&A-, B+&B-