



On/Off control - Local regulation

Drive Power 9.5V

Mosfet drive

Motor Power

Overcurrent trip

Filtered current

Feedback Conditioning

This is the "working" copy of the design, to which mods and updates are added, starting from rev. 1.1 the "as built" version.

**J1**  
 5 Driver V+  
 4 PWM tp  
 3 Direction  
 2 Run/Sense  
 1 Common DGND  
 HEADER 5

**J2**  
 4 Analog V+  
 3 Filtered Current  
 2 Position  
 1 Common DGND  
 HEADER 4

**RUN/SENSE**  
 Source to +5 to turn on,  
 Sink to GND to turn off,  
 Hi Z to read status.

**TP4**  
 TESTPOINT

**TP2**  
 TESTPOINT  
 POT signal  
 Vout 0.5V - 4.5V  
 2 wire mode.

Mod required for PCB  
 rev 1.00, swap 3 & 4

These values for 5K pot  
 plus 379 ohms in 2 wire mode.

These values for 5V reference in 3 wire mode.

**J5**  
 4 Analog V+  
 3 Pot CW end  
 2 Pot wiper  
 1 Pot CCW end / GND  
 HEADER 4

For 2 wire connection to POT,  
 use CCW and Wiper, W6 2-3 W7 2-3  
 For 3 wire, W6 1-2 W7 1-2

