



\* - Indicates input pins (held HIGH with internal pull-up resistors)

**GND**  
**(~D9) Limit X-Axis\***  
X-Axis Motor (B1)  
X-Axis Motor (B2)  
X-Axis Motor (A2)  
X-Axis Motor (A1)

**GND**  
**(~D10) Limit Y-Axis\***  
Y-Axis Motor (B1)  
Y-Axis Motor (B2)  
Y-Axis Motor (A2)  
Y-Axis Motor (A1)

A-Axis Motor (A1)  
A-Axis Motor (A2)  
A-Axis Motor (B2)  
A-Axis Motor (B1)

Z-Axis Motor (A1)  
Z-Axis Motor (A2)  
Z-Axis Motor (B2)  
Z-Axis Motor (B1)  
**(D12) Limit Z-Axis\***  
**GND**

**12V/24V** OUTPUT @400mA (thermally fused)  
**(A4)** SDA (default active w/ I<sup>2</sup>C → jumper set)  
**(A5)** SCL (default active w/ I<sup>2</sup>C → jumper set)  
**(D0)** RX-I (active w/ serial select → high)  
**(D1)** TX-O (active w/ serial select → high)

**(A0) Reset/Abort\***  
**(A1) Feed Hold\***  
**(A2) Cycle Start/Resume\***  
Serial Select (active high)  
**GND**

**(A2) Cycle Start/Resume\***  
**(A1) Feed Hold\***  
**(A0) Reset/Abort\***  
ATX Power Supply On (active low)  
**GND**  
**(D13) Spindle Direction**  
**(~D11) Variable Spindle PWM**  
**(A3) Coolant Enable**  
**5V**

**12-24V** (PSU INPUT) / **12V** (ATX OUTPUT)  
**GND**