

Connectors:

J1 (X axis)

+5v Encoder +5v
XA Encoder A
XB Encoder B
GND Encoder Gnd

J2 (X Gecko encoder inputs)

Gnd Gecko Gnd
XA Gecko encoder A input
XB Gecko encoder B input

J1 (Y axis)

+5v Encoder +5v
YA Encoder A
YB Encoder B
GND Encoder Gnd

J2 (Y Gecko encoder inputs)

Gnd Gecko Gnd
YA Gecko encoder A input
YB Gecko encoder B input

J1 (Z axis)

+5v Encoder +5v
ZA Encoder A
ZB Encoder B
GND Encoder Gnd

J2 (Z Gecko encoder inputs)

Gnd Gecko Gnd
ZA Gecko encoder A input
ZB Gecko encoder B input

J1 (A axis)

+5v Encoder +5v
AA Encoder A
AB Encoder B
GND Encoder Gnd

J2 (A Gecko encoder inputs)

Gnd Gecko Gnd
AA Gecko encoder A input
AB Gecko encoder B input

Note 1: Any axis J1 connector not used with a Gecko may be used for general purpose inputs on A & B terminal. The optical Isolator associated with an input used for general purpose may NOT be used if anyone of the encoder inputs are wired to A Gecko drive's encoder inputs.

All the inputs except J18-1 has comparators on them set for $\frac{1}{2}$ VCC to provide good noise immunity.

J16 General use input

J17 General use input

J18 General use input

Note: J18-1 does not have a comparator associated with its input.