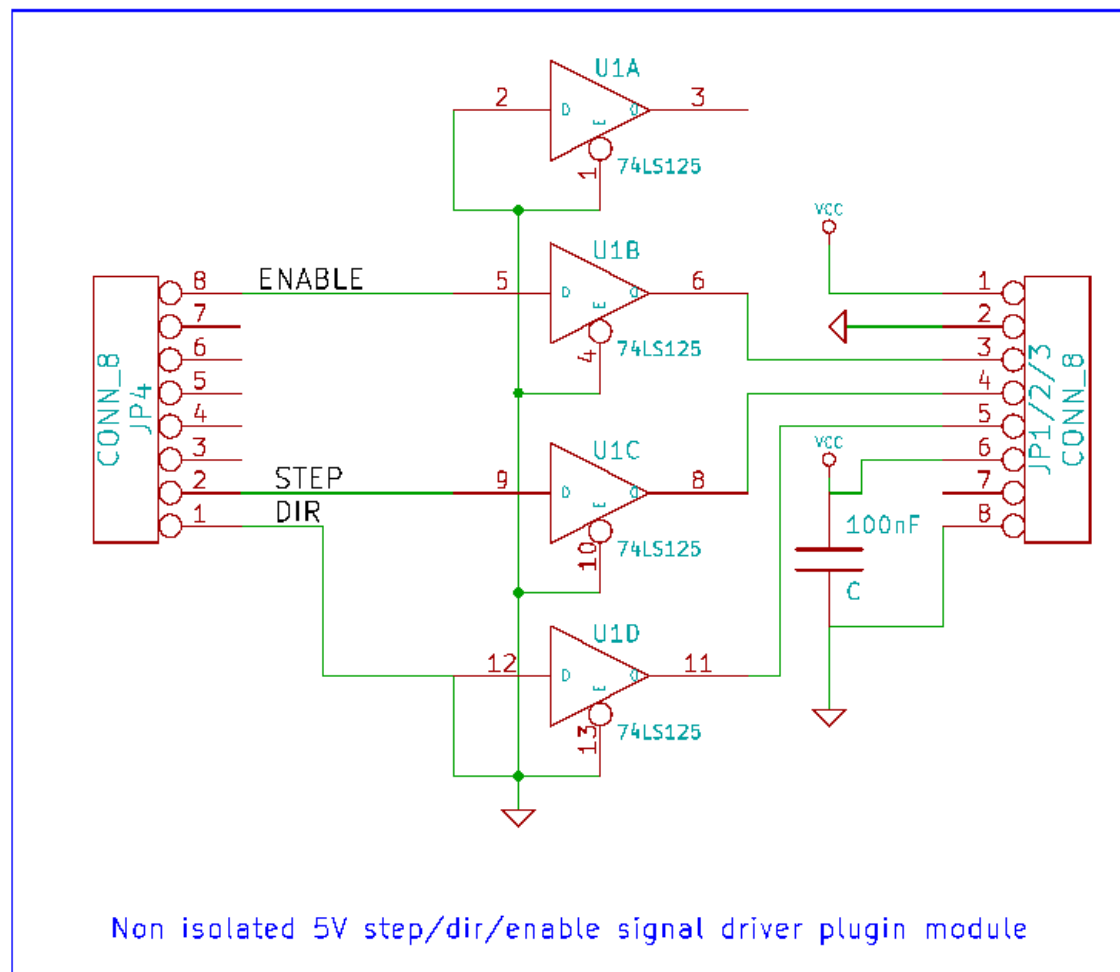


Stepper driver

It is possible to mount a Pololu 1201 stepper motor driver or a non-isolated or isolated stepper signal interface.

This interface connects to external stepper motor driver.

For example:



Connectors

All connectors (except specified otherwise): 3.5MM plug

Fabrikant: IMO PRECISION CONTROLS

Farnell: Ordercode: 1761552

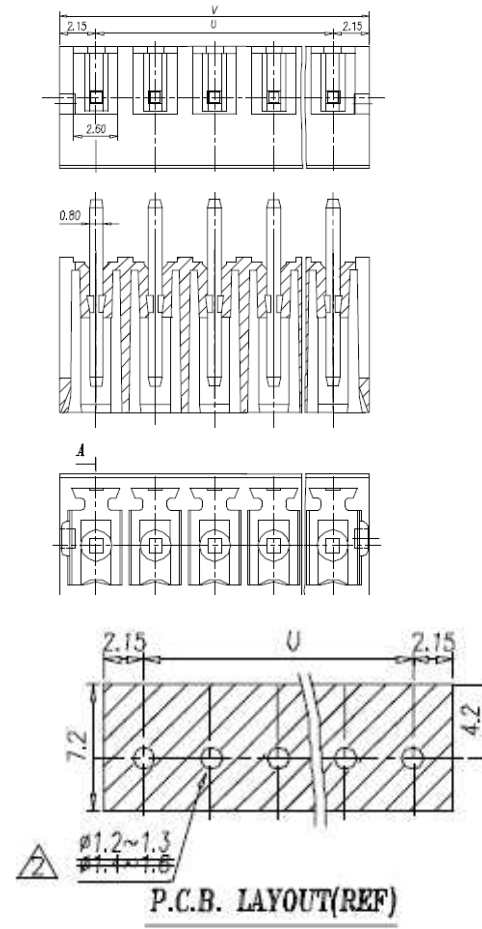
Fabrikantnummer: **20.155MV/4**

Counter part:

Fabrikant: IMO PRECISION CONTROLS

Farnell: Ordercode: 1761534

Fabrikantnummer: **20.1550M/4**



Vertical:

2 PIN: Board: **20.155MV/2** and connector **20.1550M/2**

4 PIN: Board: **20.155MV/4** and connector **20.1550M/4**

6 PIN: Board: **20.155MV/6** and connector **20.1550M/6**

8 PIN: Board: **20.155MV/8** and connector **20.1550M/8**

10 PIN: Board: **20.155MV/10** and connector **20.1550M/10**

Horizontal:

2 PIN: Board: **20.155MH/2** and connector **20.1550M/2**

4 PIN: Board: **20.155MH/4** and connector **20.1550M/4**

6 PIN: Board: **20.155MH/6** and connector **20.1550M/6**

8 PIN: Board: **20.155MH/8** and connector **20.1550M/8**

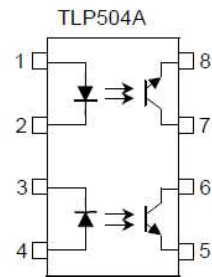
10 PIN: Board: **20.155MH/10** and connector **20.1550M/10**



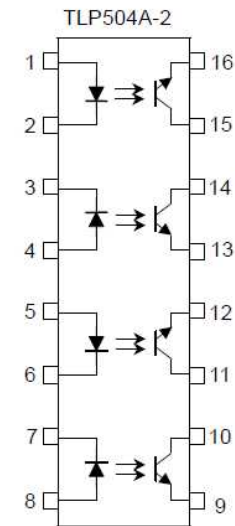
Opto-couplers:

TLP504A (dual) **TLP504A-2** (quad)

DIP (place in IC socket)



1, 4 : Anode
2, 3 : Cathode
5, 8 : Emitter
6, 7 : Collector



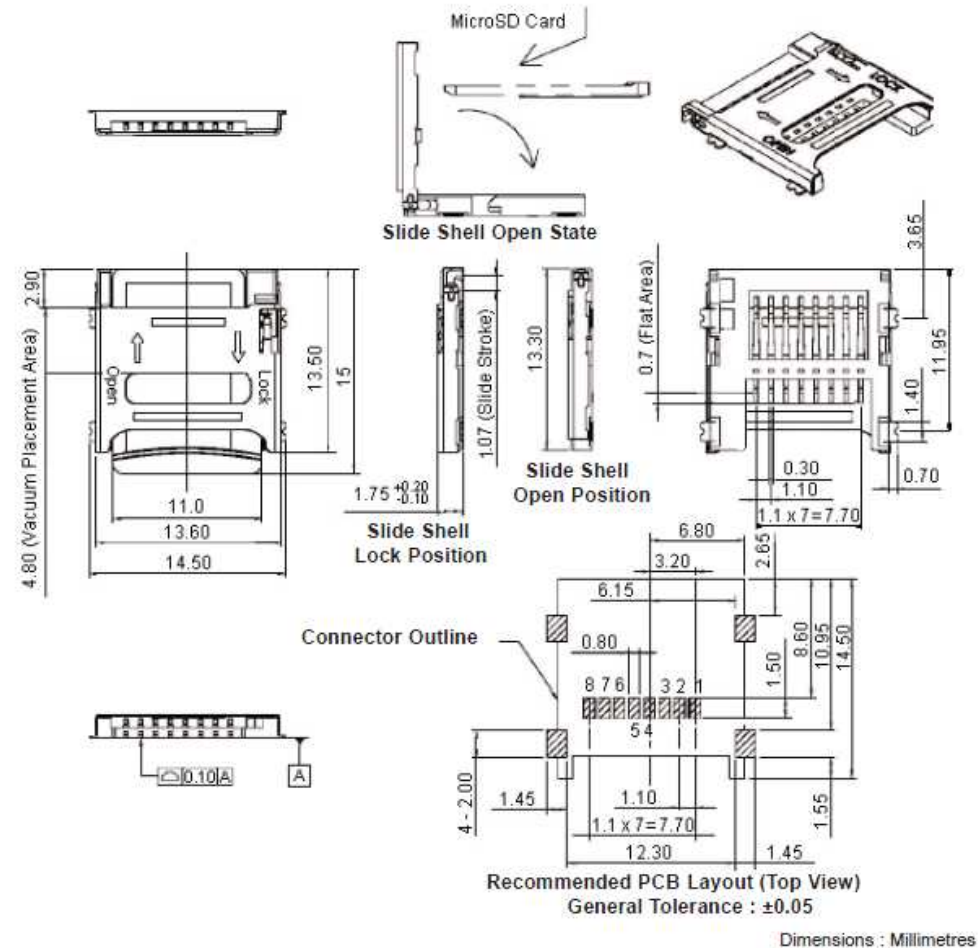
1, 4, 5, 8 : Anode
2, 3, 6, 7 : Cathode
9, 12, 13, 16 : Emitter
10, 11, 14, 15 : Collector

SD Card

MULTICOMP

Farnell Ordercode: 1686452

Fabrikantnummer: 460DE08C3

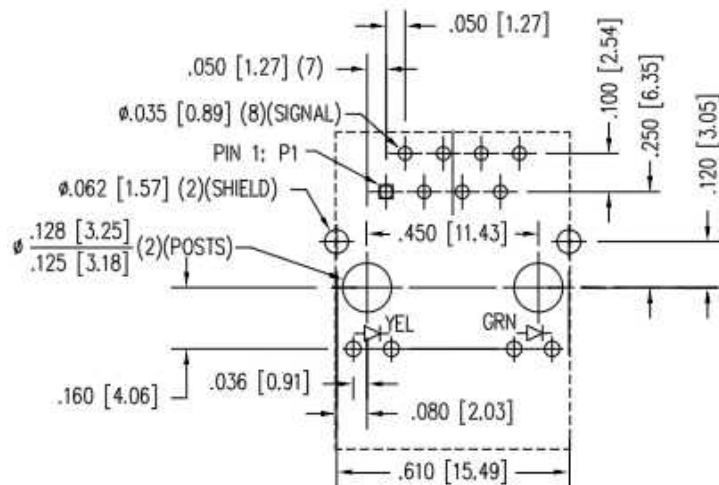
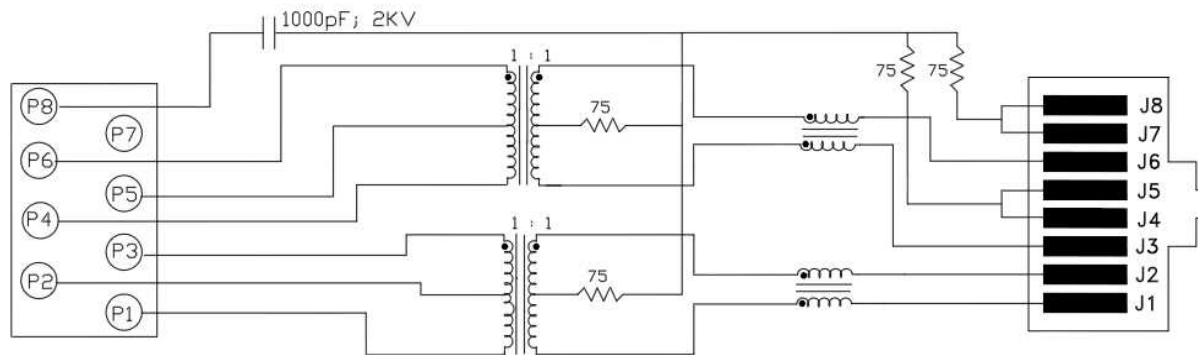


Ethernet

Fabrikant: STEWART CONNECTOR

Farnell Ordercode: 1137983

Fabrikantnummer: SI-60062-F



P.C.B. RECOMMENDED HOLE LAYOUT
SEEN FROM COMPONENT SIDE

ALL CENTERLINE DIMENSIONS ARE BASIC.

Pololu

mounted on SIL header (female)

MBED

Mounted on 2x 2x40 header (female) (similar to mbed workshop board)

USB

USB-A connector for USB-stick (flat)

Solder Joints

2.54 mm pitch holes (should be able to place jumper)

I2C / ANALOG / CAN (P7/P8)

Can be 2.54 mm holes

LIMIT SENSORS

ZLIMITS and XY limits can be combined on 8pin connector (3.5mm pitch) or 10 pin connector (combined with Vsensor)

LASER & OUTPUT

Can be combined on 8 pin connector (3.5mm pitch)