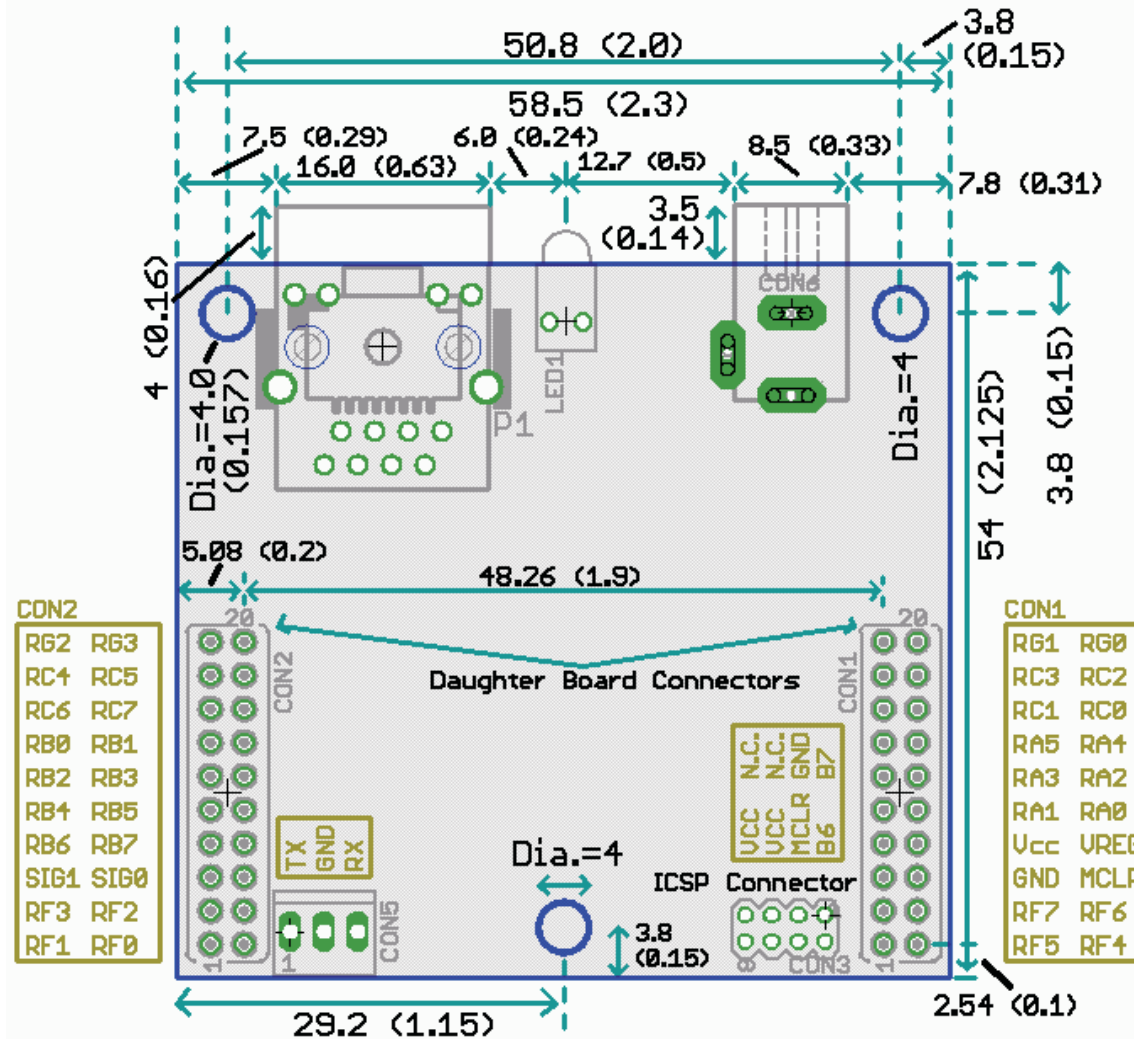


Dimensions are in mm (inches)



Moxa Communications- Ethernet via P1

CON 2 pins used (signal, name, pin)

Accelerometer communications
 USART Rx, SIG0, 6
 USART Tx, SIG1, 5

Accelerometer communications
 USART2 Rx, RG2, D6, 19

Tripped Indicator
 PIC pin Rb0, B0, 13

Unclamp
 PIC pin Rb1, B1, 14

Reset Trip
 PIC pin Rb2, B2, 11

Tech. Actuator Inst. +12v on
 PIC pin Rb3, B3, 12

Technadyne Speed & Direction

Resistor ladder, bits 0-3
 PIC pin Rf0, T0, 2
 PIC pin Rf1, T1, 1
 PIC pin Rf2, T2, 4
 PIC pin Rf3, T3, 3

Native Modtronix connections

PIC pin Rb6, B6, 7 - also used for ICP*
 being used for LED
 PIC pin Rb7, B7, 8 - also used for ICP*
 * note impedance requirements
 PIC pin Rc4, C4, 17 - also for I2C
 PWM outputs
 RG3, D7, 20

CON 1 pins used (signal, name, pin)

Power in stepped down from 24v
 Unregulated input voltage, VIN, 8
 Ground, GND, 5

Accelerometer communications
 USART2 Tx RG1 D1, 19

Current sense
 Analog input PIC pin RA0, A0, 10

Tachometer 0-5 v input
 Analog Input PIC pin RA1, A1, 9

Resistor Ladder, bits 4-7
 PIC pin Rf4, T4, 2
 PIC pin Rf5, T5, 1
 PIC pin Rf6, T6, 4
 PIC pin Rf7, T7, 3

Accelerometer +12 V on
 PIC pin Rc0, C0, 16

Native Modtronix connections

Analog Inputs
 PIC pin RA2, A2, 12
 PIC pin RA3, A3, 11
 PIC pin RA4, A4, 14
 PIC pin RA5, A5, 13
 PWM outputs
 PIC pin Rc1, C1, 15
 PIC pin Rc2, C2, 18
 RG0, D0, 20
 PIC pin Rc4, C4, 17 - also for I2C