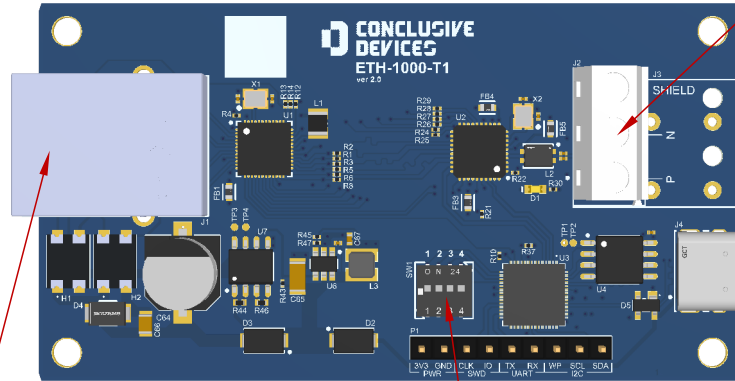


ETH-1000-T1

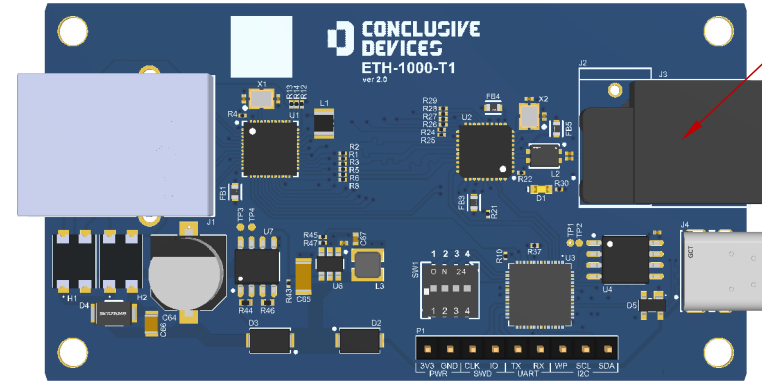
1000BASE-T1/100BASE-T1 - Terminal Block Connector



Mode Selection Switches

1000BASE-T/100BASE-TX - RJ-45 Connector (PoE Power Input)

1000BASE-T1/100BASE-T1 - MATEnet Connector



USB Type-C - Power Input and Serial Console

Mode Selection Switches Function Matrix

Switch No.	Function Name	Function "on"	Function "off"
1	Auto-negotiation*	Auto-negotiation on	Auto-negotiation off
2	T1 master/slave	T1 master / T1 force master in autoneg mode	T1 slave
3	Speed select	1000BASE-T + 1000BASE-T1	100BASE-TX + 100BASE-T1
4	RFU**	X	X

*Auto-negotiation - Clause 98 of the IEEE 802.3 - Automatically selects speed and master/slave role on compatible devices

**RFU - Reserved for future use

Terminal Block Pinout

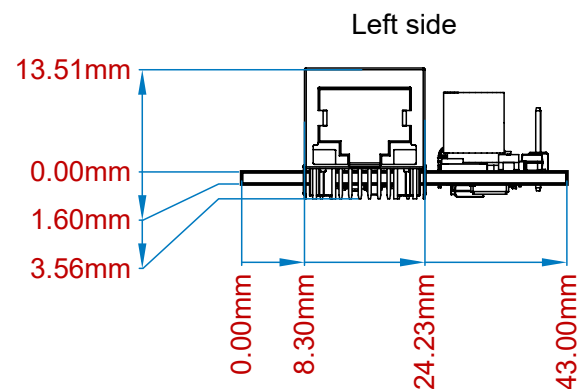
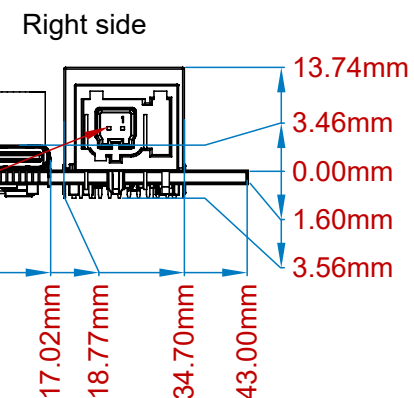
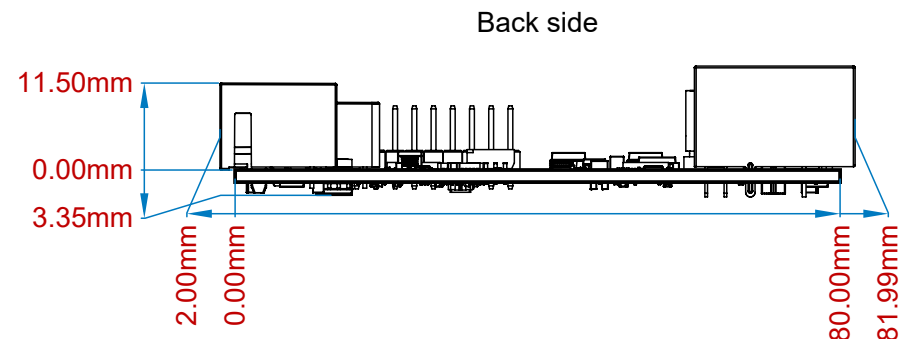
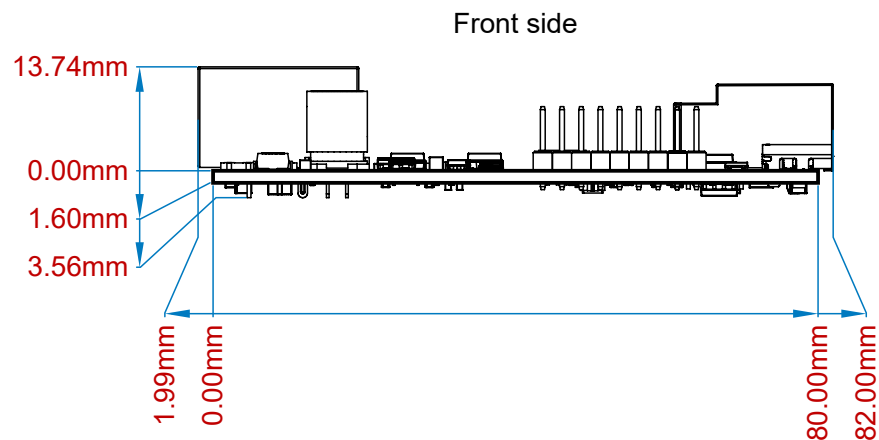
Pin No.	Function
1	Positive T1 data terminal
2	Negative T1 data terminal
3	Cable shield

MATEnet Pinout

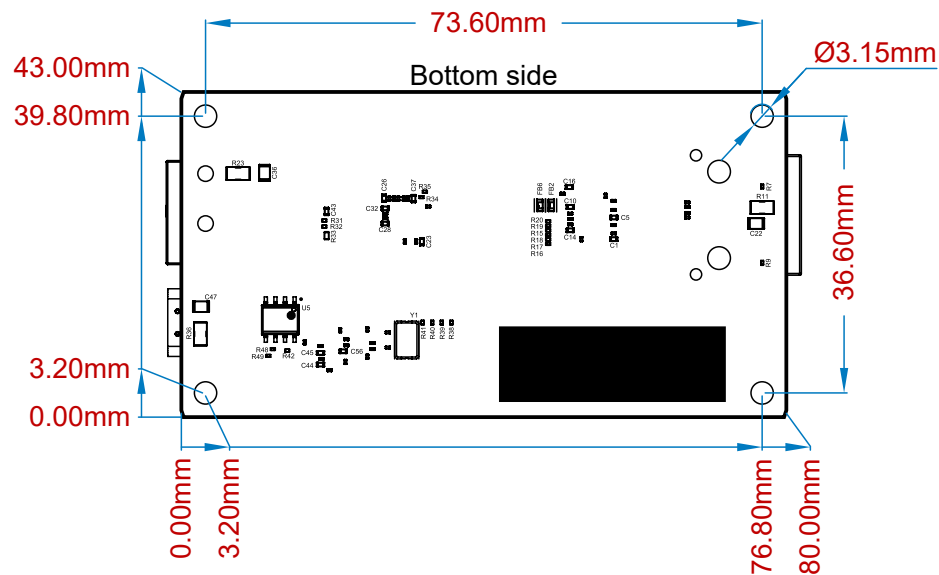
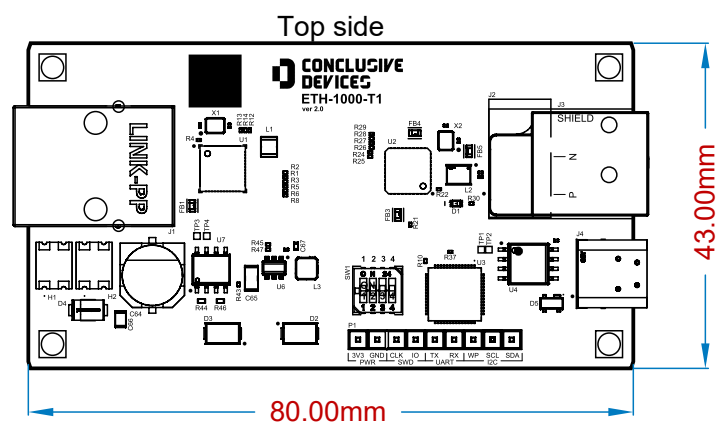
Pin No.	Function
1	Negative T1 data terminal
2	Positive T1 data terminal

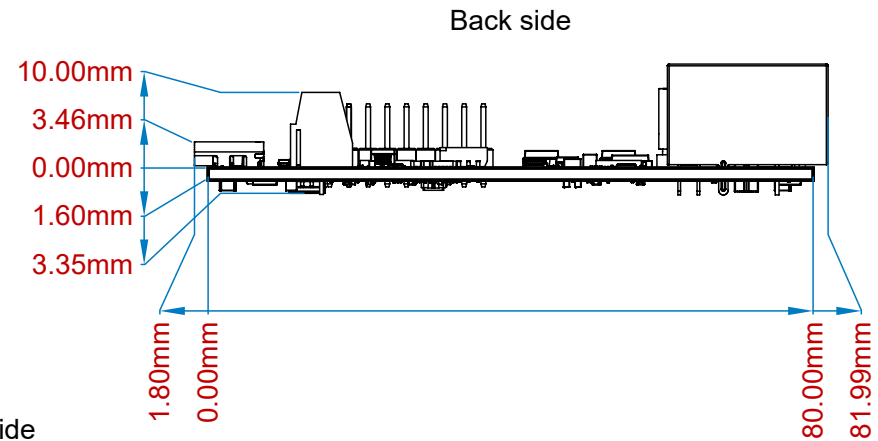
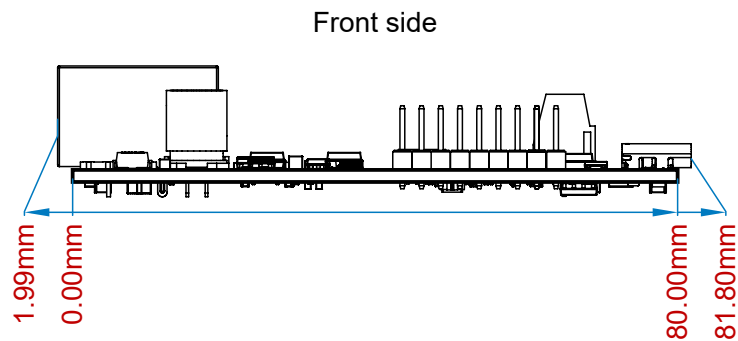
ETH-1000-T1 Power Input Options

Option	Description
USB	5V 500mA USB Type-C Power Input
PoE	Active PoE - IEEE 802.3at Class 0 Compliant
USB + PoE	Active PoE as Dominant Function



TE Connectivity MATenet
PN: 2320201-1
Color - Black (COD A)
Mating connectors:
- UTP: 2302454-1
- STP: 2302510-1





TE Connectivity Fixed Terminal Blocks 5.0mm
 PN: 282836-3
 Pitch: 5.0 mm
 Wire range: 16 - 30 AWG (0.05 - 1.5 mm²)

