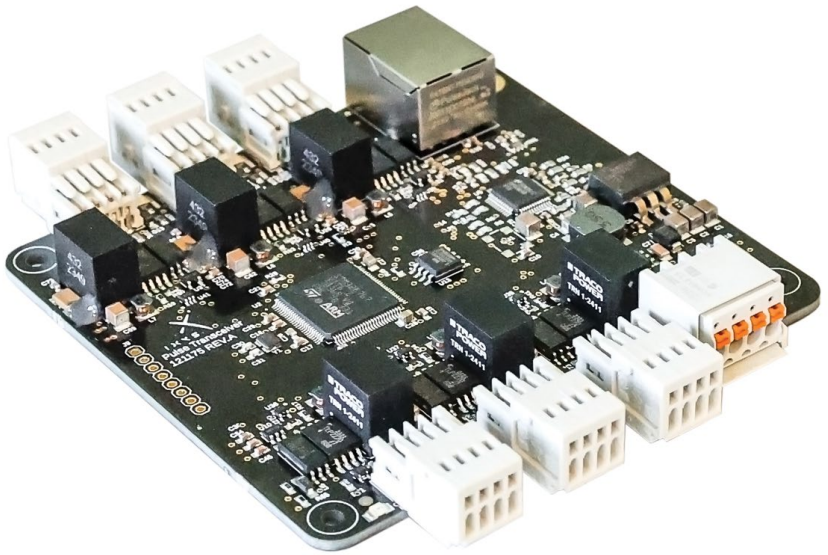
SPECIFICATIONS

PCB PULSE TRANSCEIVER



Description

The Pulse Transceiver board is a standalone board used in pairs for sending and receiving digital signals over Ethernet.

The board has 6 inputs and 6 outputs. Each input can read a digital signal, which can then be output on another Pulse Transceiver board elsewhere in the network. Simultaneous bi-directional communication is supported.

Alternatively, the boards can be used to transmit a PPS signal over network. In this mode, the Pulse Transceiver boards will synchronize their clocks, and generate a PPS output that is accurately synchronized to the PPS input. A single PPS input is supported.

Features

- Transmit and receive digital signals over Ethernet
- Web interface for configuration
- Configurable for pulse or PPS transmission
- LED indicators for diagnostics
- PC/104 hole pattern
- Isolated channels

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General Technical Specifications		
Type		PCB Pulse Transceiver
Dimensions	mm	96x90x16
Weight	g	~100
Temperature Operational (ambient)	°C	-20 to +70
Temperature Storage	°C	-40 to +80
Electrical		
Supply Voltage	VDC	24 (21.6-26.4)
Power Consumption	W	~5
Pulse Input Voltage Range	VDC	5-24
Communication		
Ethernet	Mbps	10/100
Performance		
PPS Accuracy	µs	<50
Pulse Transmission Delay	µs	<800

Ordering Part Numbers

Description	Part Number
PCB Pulse Transceiver	121176

Accessories

Connector RJ45	100365
Connector 4-way (Pulse Ports)	100086
Connector 4-way (Power Input)	112073

*Connectors are included with board except for the RJ45 plug

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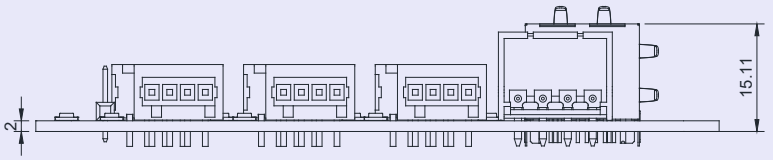

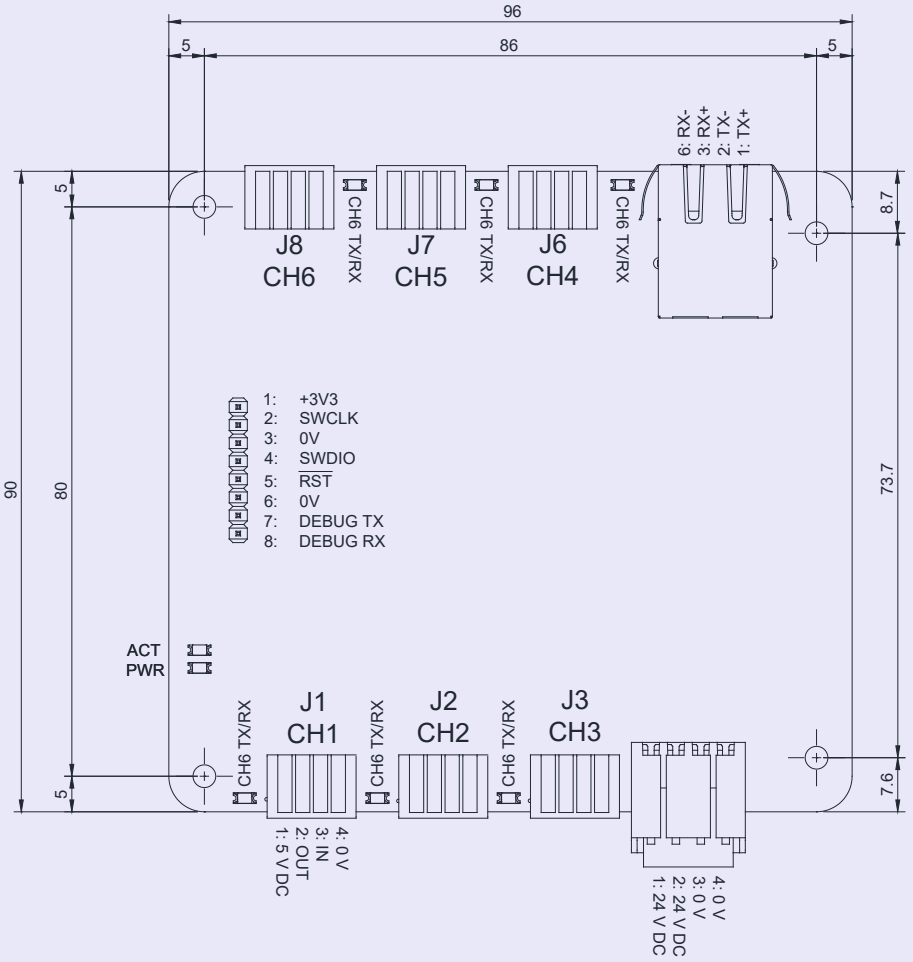

DATASHEET

PCB PULSE TRANSCEIVER