

# Link

## PECL

[www.innova.no](http://www.innova.no)

**The Innova Link PECL multi beam sonar interface is a flexible solution for integration of single or dual head multi beam sonars to any remotely operated system.**

The system provides 2 bidirectional PECL (Positive Emitter-Coupled Logic) interfaces, commonly used by multi beam sonar systems. This provides a transparent interface for e.g. the Reson and Kongsberg lines of multi beam products.

### Key features

The design is based on Innova's long experience with remotely operated vehicle systems and provides a wide range of features, including:

- 2 bidirectional PECL channels, one fibre channel required per PECL channel
- Single mode and multi mode fibre options
- Self test and diagnostics functionality (distributed to the AV board)
- Can be combined with other boards in the Link Family over single fibre with the use of CWDM optical multiplexers

## BIDIRECTIONAL PECL

2 ch. of PECL, bidirectional

Max 200 Mbps

One SFP per used channel

## INPUT BOARD

In / Out: 4 PECL (2 in / 2 out)

Two SFP cages

PECL connection – BNC

Board size: 100 mm x 100 mm

Voltage: 6 – 12 V

Typical idle power consumption: 300 mA @ 12 V, 2 ch.

Operating temperature range: -20 °C to 70 °C

\*SFP temp. range may be different

## OUTPUT BOARD

In / Out: 4 PECL (2 in / 2 out)

Two SFP cages

PECL connection – BNC

Board size: 100 mm x 160 mm

Voltage: 6 – 12 V

Typical idle power consumption: 300 mA @ 12 V, 2 ch.

Operating temperature range: -20 °C to 70 °C

\*SFP temp. range may be different

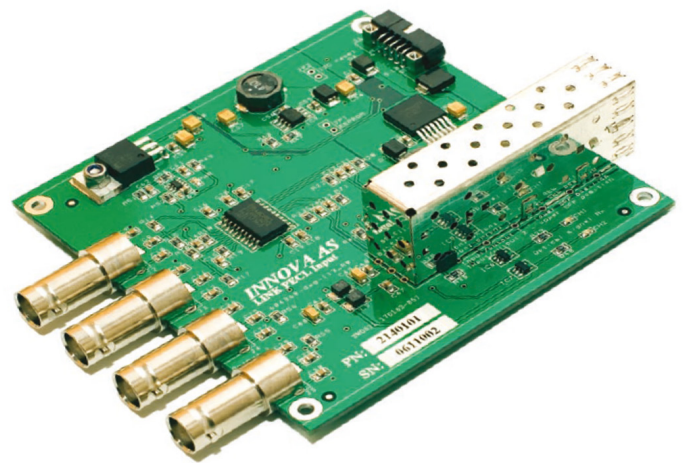
## PART NO.

21 40 101 PECL Bidir. 2 ch. Input, Standard

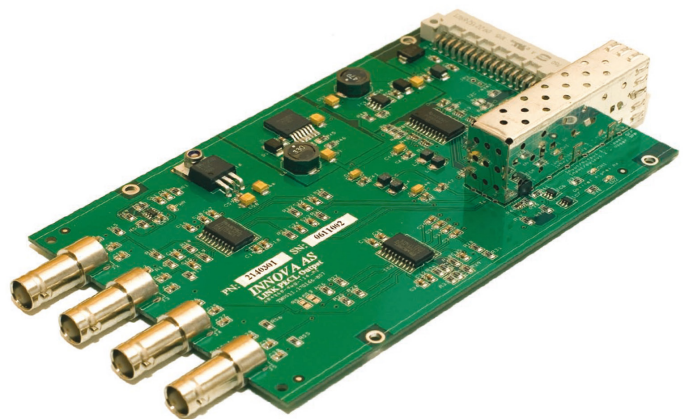
21 40 301 PECL Bidir. 2 ch. Output

All the boards in the Link family are designed to be mounted into a rack where boards can be removed separately. A backplane distributes power and diagnostics signal to all boards in the rack.

The output boards can be mounted into a topside rack, including backplane, power supply, and user interface.



*PECL Bidir. 2 ch. input*



*PECL Bidir. 2 ch. Output*