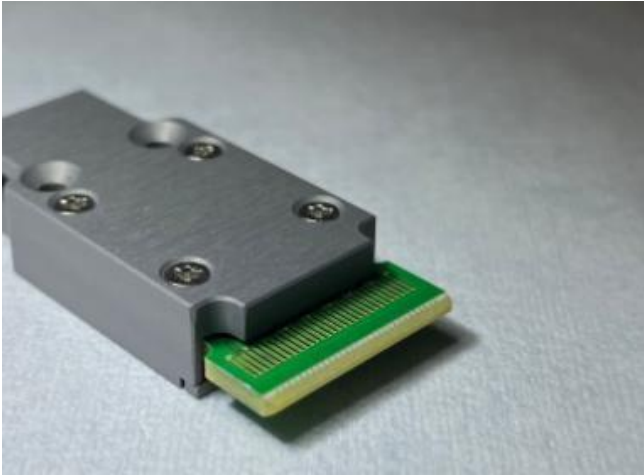


28G NRZ 4 TX-OPTICAL TRANSCEIVER.

40x17x7.2mm



TRANSFORM

Space-grade, low power consumption optical transceiver

TRANSFORM is a radiation-hardened optical transceiver (OTRx) with 4 Tx channels and 4 Rx channels performing at 28 Gbps NRZ. This light and compact device is fabricated using a flip-chip process for robustness and efficiency.

Key Features:

- Radiation-hardened optical transceiver
- 4+4 channels
- Low power consumption
- Up to 28 Gbps per channel
- 850 nm operating wavelength
- Right-angle electrical connector

Benefits:

- ICs rated for 60 MeV proton radiation.
- Tx consumption <7 mW/Gbps @20 Gbps
- Mass <7g

ALTER TECHNOLOGY

5 BIAN Square, Livingston Scotland

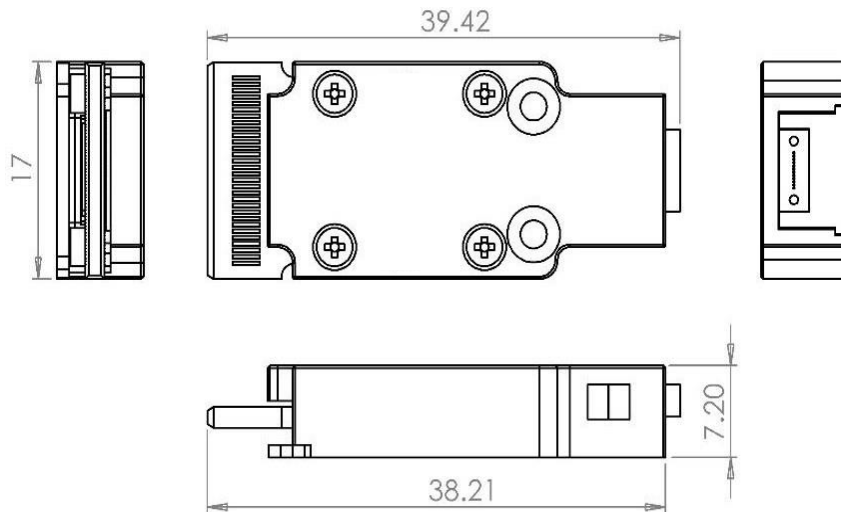
UK EH54 2DQ

T: +44 1506 403 550

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altertechnology-group.com

Mechanical Dimensions



Typical Performance

Parameter	Value
Wavelength	850 nm
Eye amplitude (@20 Gbps, looped)	290 mV
Operating voltage	3.3 V
Storage temperature	-40 to 100 °C
Operating temperature	-45 to 85 °C
Proton radiation	60 MeV passed
Gamma radiation	TBC
Heavy ion radiation	TBC
Electrical connector interface	SAMTEC MEC5-030-01-L-RA-W1-TR

For more information:

<https://wpo-altertechnology.com>

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