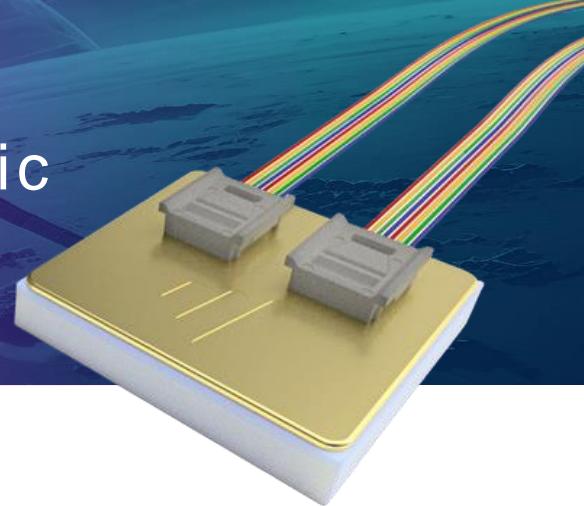


TeraBIX - 56Gb/s to 112Gb/s Silicon Photonic Transceiver



Product Description

The TeraBIX transceiver is designed for space from the ground up, incorporating radiation-hardened electronics and a hermetically sealed design. TeraBIX can operate at a data rate of up to 56Gb/s per channel NRZ-OOK or 112Gb/s PAM4 modulation, and is designed for co-packaging with an FPGA/ASIC enabling ultra-low power operation of <5mW/Gb/s. Optical interfacing is achieved using pluggable optical connectors.

Features

- Silicon Photonic ICs for transmitter and receiver
- Supports data rates of up 56Gb/s NRZ or 112Gb/s PAM4
- Low power consumption: <5mW/Gb/s
- Radiation-hardened electronics
- Pluggable fibre connectors
- Compatible with SDA standard 3.1

Applications

OISLs
In-Package Optical I/O

