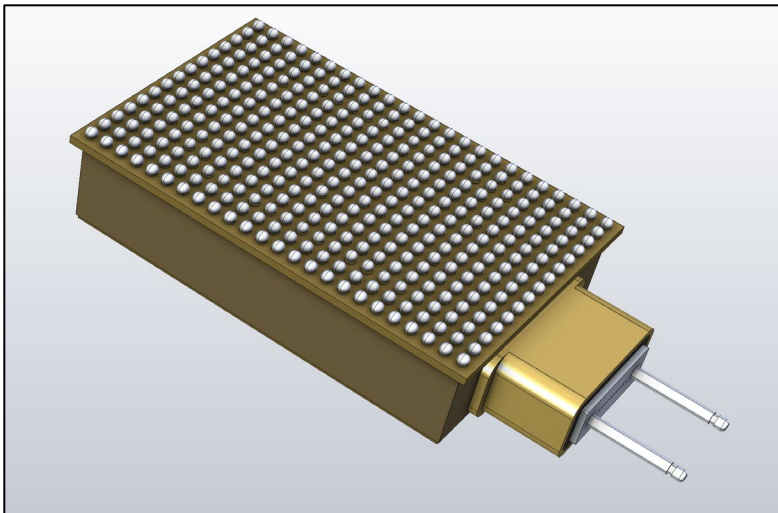
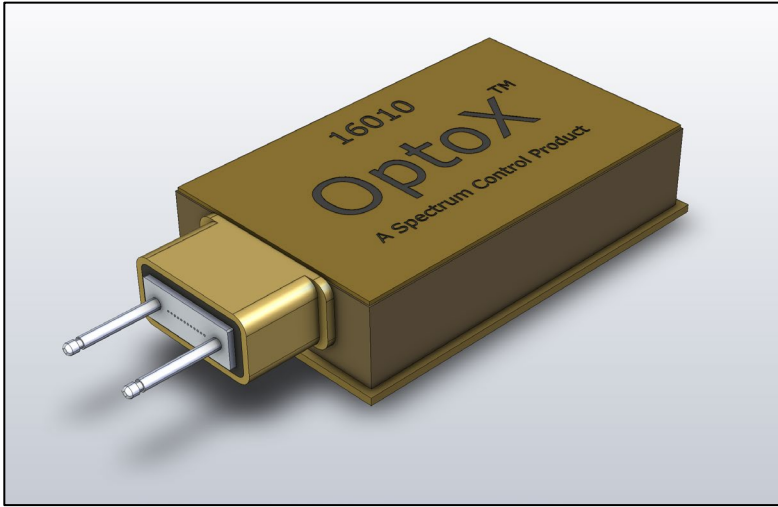


Pluggable Micro-Optical Hybrid Transceiver for high-speed, reliable data transfer in harsh environments



Product code: 16010

Product to be manufactured and qualified in accordance with MIL PRF 38534 Class E (mix of both class H&K) / MIL STD 883

Application

Product code 16010 from Spectrum Control is a multi-mode wavelength optical transceiver featuring an innovative pluggable optical connector interface, BGA solder ball base layer contacts and hermetic enclosure. The optical transceiver operates over a wide data rate range & extended temperature. The rugged build delivers a high level of reliability in harsh environment and critical digital datacom applications.

Performance & Features

- Multi-mode optical wavelength (850nm).
- Quad channel transmit (TX) and receive (RX) capable of operating from 20 Mbps to >10 Gbps.
- Low power dissipation, typ. 150mW per lane.
- Pluggable optical connector interface and fibre cable assembly (terminated per customer requirements); ordered as part code 16011.
- MT-12 ferrule proprietary retaining mechanism.
- BGA solder ball contacts or LGA with interposer.
- Hermetic enclosure.
- Option for I2C serial interface for status & control or factory-configured with no user set up required.
- Wide operating temperature range and functionality between -50°C to +125°C.
- MIL-Standard qualified.
- ITAR-free solution.