



COTSWORKS®

Rugged Fiber Optics for Harsh Environments

OPTO-ELECTRONIC PRODUCT PLATFORM



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OPTO-ELECTRONIC PRODUCT PLATFORM

The COTSWORKS Opto-Electronic Product Platform consists of optical transceivers designed to operate in the harsh environments of Commercial, Military Aerospace, and Industrial applications. The Opto-Electronic transceivers are engineered and tested to meet parameters defined within MIL-STD-883 and MIL-STD-810 to achieve optimal performance across wide temperature ranges, and the demanding shock, vibration and humidity requirements of a ruggedized environment. The sub-components are selected for their robust and long life cycles, increasing each transceivers' operational life span and their Mean Time To Failure rating. COTSWORKS' Opto-Electronic Product Platform utilizes a custom-off-the-shelf approach to create a suitable solution to meet any networking requirements and reduce total cost of ownership.

Rugged Pluggable Optical Transceivers

RCP



Rugged Chip Scale
Pluggable

- Quad ARINC 801 optical interface
- Multiple TX and RX configurations
- 1–28 Gbps MM or SM
- Electrically pluggable

ESL

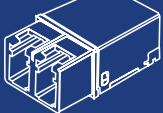


Essential®

- Dual ARINC 801 optical interface
- Duplex, dual TX/RX, BiDi configurations
- 1–28 Gbps MM or SM
- Electrically pluggable

Solder-Down Optical Transceivers

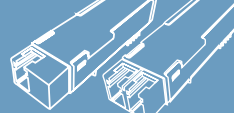
RJ



RJ Module Jack

- Dual LC/dual ARINC 801 option optical interface
- Duplex, dual TX/RX configurations
- 1–28 Gbps MM or SM
- Surface mount electrical connector

SFF/B

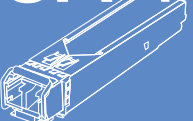


Small Form Factor
& Bi-Di

- Dual LC/dual ARINC 801 option optical interface
- Duplex, dual TX/RX, BiDi configurations
- 1–4 Gbps MM or SM
- Thru-hole electrical connector

Hot Swappable Optical Transceivers

SFP+



Small Form Factor
Pluggable

- Dual LC optical interface
- Duplex, dual TX/RX, Bi-Di configurations
- 1–28 Gbps MM or SM
- SFP+MSA compliant Envelope per SFF-8432

QSFP

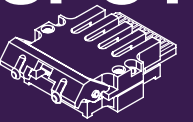


Quad Small Form
Factor Pluggable

- MPO/Pigtailed optical interface
- 4TX/4RX configuration
- 1, 10, 40, 100 Gbps MM
- QSFP+ compliant to SFF-8436
- QSFP28 compliant to SFF-8661

Parallel Optical Transceivers (High Density)

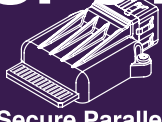
SPOT



Secure Parallel
Optical Transceiver

- MT ferrule optical interface w/secure MT-R CLAMP
- 4TX/4RX configuration
- 1/10/40 Gbps MM
- Ruggedized electrical QSFP card-edge connector

SPOT



Secure Parallel
Optical Transceiver-
Card Edge

- MT-T optical interface
- 4TX/4RX configuration
- 1/10/40 Gbps MM
- Ruggedized electrical QSFP card-edge connector

COTSWORKS' Product Platforms include Opto-Electronic, Interconnect, Test Equipment & Optical Sub-Assemblies.
For more information regarding any of these product lines, please reach out to sales@cotsworks.com.