Features:

- COTSWORKS offers ruggedized and screened Commercial Off The Shelf MSA pluggable transceivers to meet Mil/Aero/Industrial applications
- MSA form factors available:
  - SFP/SFP+/SFP28 compliant to SFF-8432 and SFF-8402
  - QSFP/QSFP+ compliant to SFF-8635
- Defined and controlled optical engine supply chain
- Reviewed and certified firmware and EEPROM program
- Multiple wavelength options including CWDM
- Optimized to provide improved/tighter optical tolerances
- Tested to operate to near or full industrial temperature range
- Conformal coating and epoxy staking to ruggedize PCB and Case
- Custom testing for shock/vibe profiles
- Custom labelling for OEM or Mil/Aero needs

COTSWORKS rugged pluggable transceivers are ideal for harsh environment connectivity with their low-cost, long-term availability, and wide operating parameters.
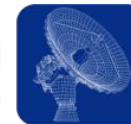
COMMERCIAL AEROSPACE   MILITARY AEROSPACE   MILITARY TACTICAL   SUBSEA NETWORKING   RADAR & SENSING   OIL & EXPLORATION

General Description

COTSWORKS provides Commercial Off The Shelf PluggableTransceivers for Military and Aerospace OEMs to use in high speed COTS network switches. With bandwidth and channel density demands constantly increasing, switches from Tier 1 Network OEMs are being used more often in controlled or semi-controlled environments. These switches use MSA compliant pluggable ports and associated transceivers. All COTSWORKS products are overseen and supported through our AS9100 processes and the company's lifecycle support programs.

General Specifications

Mechanical Specifications
- SFP/SFP+/SFP28 per SFF-8432 and SFF-8402
- QSFP/QSFP+ per SFF-8635

Configuration Specifications
- Digital Diagnostics per SFF-8472/3
- LC interface with COTSWORKS' LCR and LCT
- MT interface with MPO and breakout cables
- Bail or custom latching options

Ruggedization Options
- Parylene conformal coating, epoxy staking
- Extended temperature testing

Operating Protocols
- 1G, 2.5G, 5G, 10G, 25G and 40G Ethernet
- 1.5G HD-SDI, 3G, 6G/12G SDI
- ARINC 818, 1G, 2G, 4G and 8G Fibre channel

MSA Compliance
INF-8074: https://members.snia.org/document/dl/26184
SFF-8432: https://members.snia.org/document/dl/25892
SFF-8402: https://members.snia.org/document/dl/25869
SFF-8635: https://members.snia.org/document/dl/25944
SFF-8472: https://members.snia.org/document/dl/25916

Contact COTSWORKS for mechanical dimensions and other configuration options.