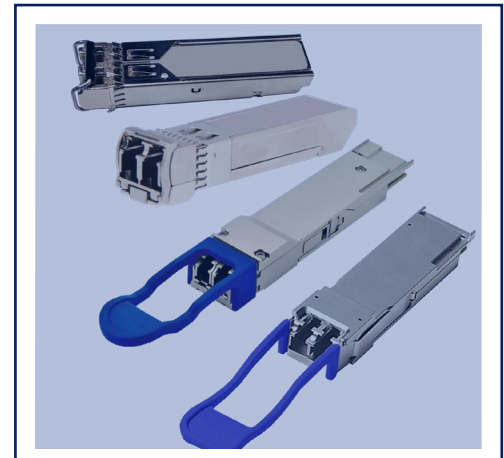


### Features:

- 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



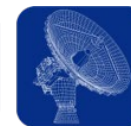
MILITARY AEROSPACE



MILITARY TACTICAL



SUBSEA NETWORKING



RADAR & SENSING



OIL & EXPLORATION

### General Description

COTSWORKS provides Commercial Off The Shelf Pluggable Transceivers 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.

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