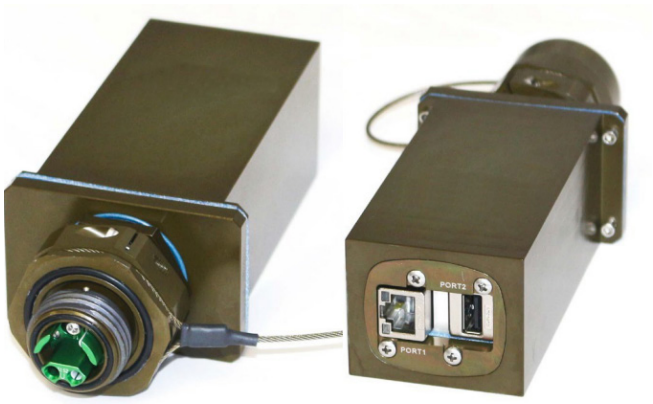
Amphenol
MILITARY HIGH SPEED

TFOCA-II 10G DUAL CHANNEL FIBER OPTIC MEDIA CONVERTER



DESCRIPTION

This stand-alone unit features ruggedized optical transceivers integrated in a compact housing with conversion from 10GBase-T to 10GBase-LR or 10GBase-SR AMHS's field proven connectors.

Systems engineers can effortlessly convert their systems with the benefits of fiber optics without the need to design and develop harsh environment fiber optic transceivers and associated electronics.
The standard Media Converter supports conversion for 10GBase-T (Auto negotiation to 100/1000) Ethernet providing up to 10Gbps transport using single or multimode fiber.

The rugged dual port TFOCA-II connector is hermaphroditic, allowing the user to easily concatenate cable assemblies in the field to meet the required length.

FEATURES

- Effortlessly converts systems to fiber optics (longer distances, EMI/RFI immunity, lighter weight) without major system design/redesign
- Compact size significantly reduces O-E/E-O conversion compared to traditional discrete designs
- Harsh environment transceivers support extended temperature range and military vibration/shock requirements
- Supports 850nm, multimode-SR, 10GBase-LR
- Supports auto negotiation 100/1000 Ethernet O-E/E-O conversion
- Compliant with IEEE 802.3
- Field-proven connector TFOCA-II
- Communication Systems

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HOW TO ORDER

Part Number	Special Features
CF-02FA00-12X	2 channel, single mode, 10GBase-T to 10GBase-LR
CF-02FA00-26X	2 channel, multimode, 10GBase-T to 10GBase-SR

SPECIFICATIONS

Optical Connector: Channels: OD Cad 2 channel or 4 (2 discrete pairs of optical TX/RX) Wavelength: 1310 or 850nm Fiber Type: Single-mode (9/125µm) or Multimode (50/125 µm) Optical transmission rate: up to 10.3125Gbps	**Optical Characteristics:** 10G optical output Output Power: -1.5 dBm to +4.0dBm 10G reciver sensitivity: -17dBm MIN	**Electrical Specifications:** Electrical Connectors: Dual RJ-45 Conformance: IEEE 802.3 Power: POE
Environmental Specifications: Operating Temperature: -40°C to 85°C Storage: -56°C to 100°C Vibration: Mil 810		

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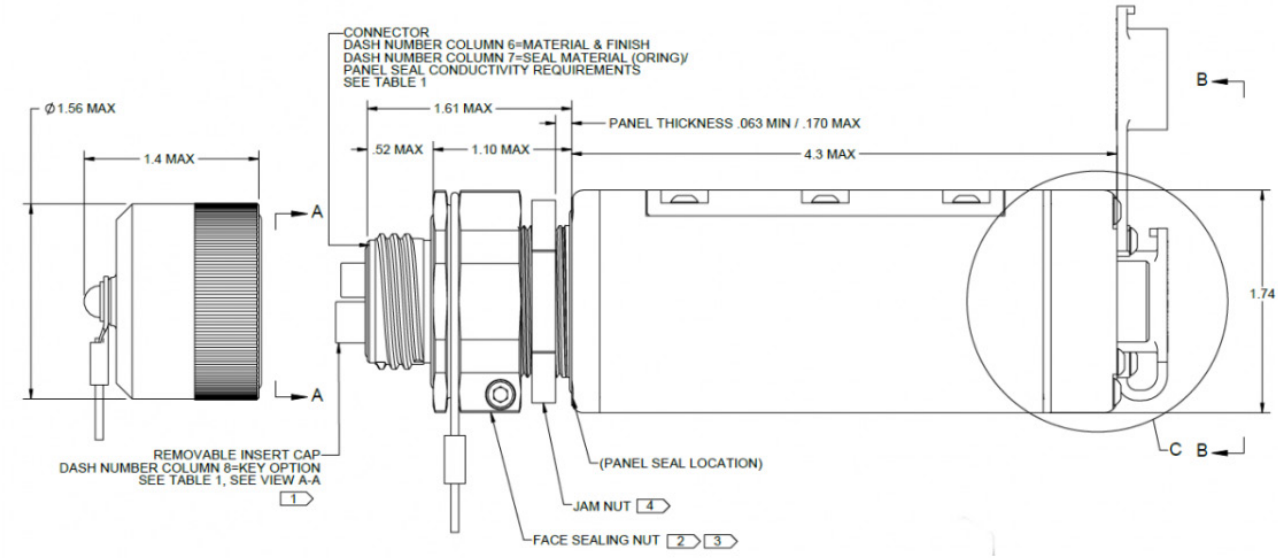

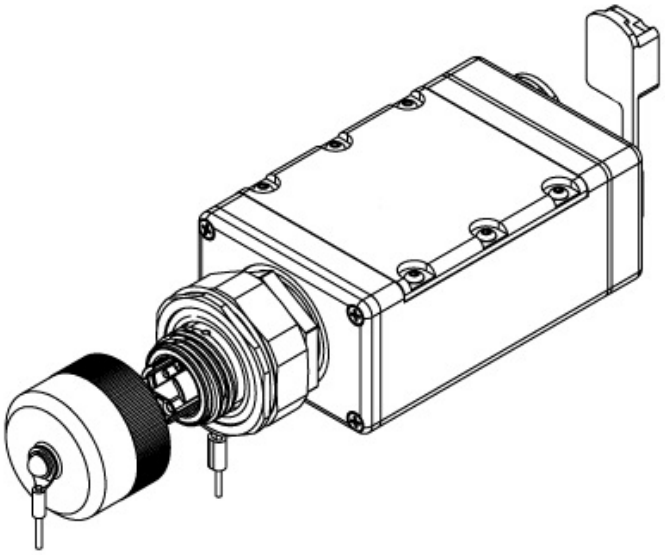

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