

# HIGHLY RUGGED TRANSMIT & RECEIVE FIBER OPTIC MEDIA CONVERTERS

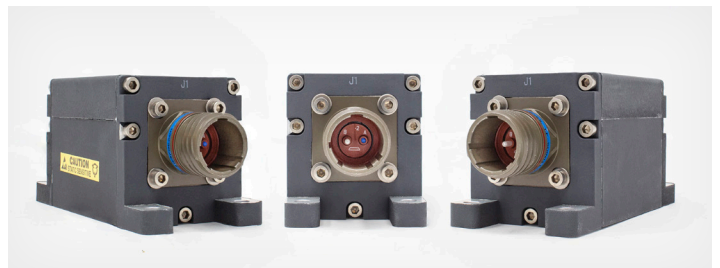


**These new media converters have been tested through Apache gunfire vibration and designed in on some of the most rugged airborne applications on earth.**



## **Stand Alone Six Channel Fiber Optic Media Converter Part Number: CF-020011-40X**

- Converts Six channels of fiber optics at up to 1.6Gbps data rates to high speed copper using Amphenol Octonet contacts
- Fiber inputs are 850nm multimode optics but can be configured for single mode
- Input power is brought in over separate MIL-DTL-38999 and is compatible with a wide range of DC voltages
- -40C to +85C operating temperatures and meant for the most rugged of aerospace applications
- Vibration tested through Apache gunfire
- LED indicators show when optical signals are present on the receivers
- Flexible to support additional channels if needed
- Weight: 0.63lbs

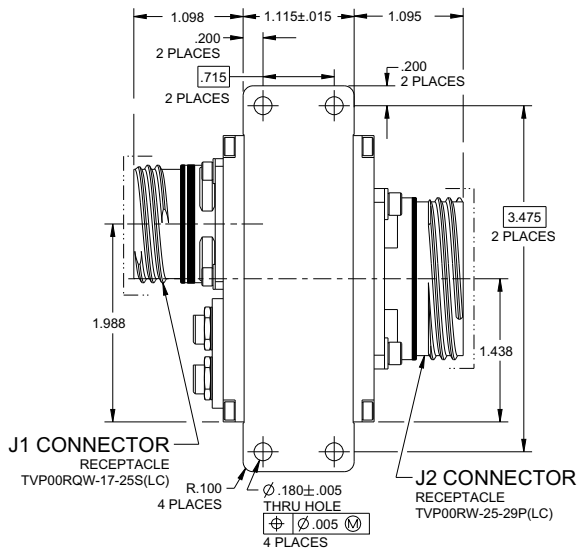
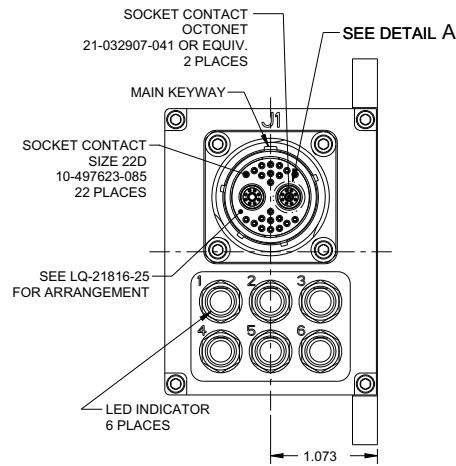
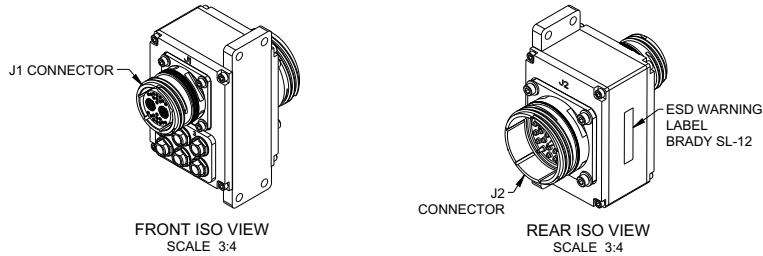


## **Stand Alone Single Channel Fiber Optic Media Converter Part Number: CF-020011-35X**

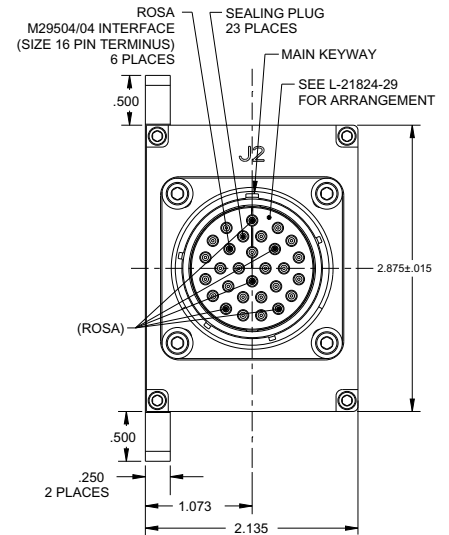
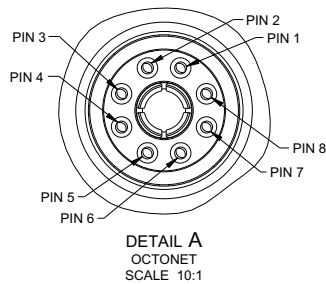
- Converts one channel of copper high speed signalling at up to 1.6Gbps data rates to high speed fiber optics using Amphenol M29504 contacts
- Fiber outputs are 850nm multimode optics but can be configured for single mode
- Input power is brought in over a copper cable and is compatible with a wide range of DC voltages
- -40C to +85C operating temperatures and meant for the most rugged of aerospace applications
- Vibration tested through Apache gunfire
- Flexible to support additional channels if needed
- Weight: 0.35lbs (without cable)
- Available unterminated or terminated with 10-628485-185N or others

# STAND ALONE SIX CHANNEL FIBER OPTIC MEDIA CONVERTER

## CF-020011-40X

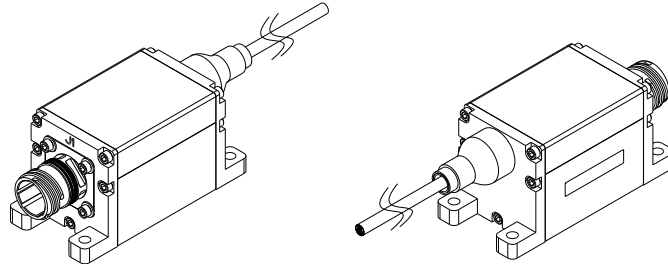


LOS - Loss of Signal



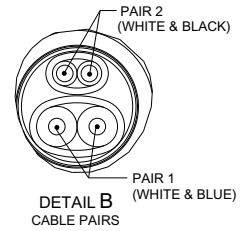
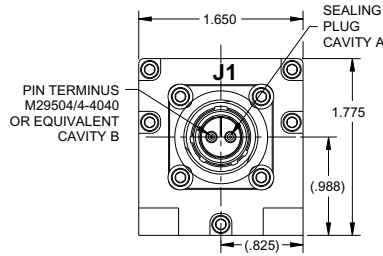
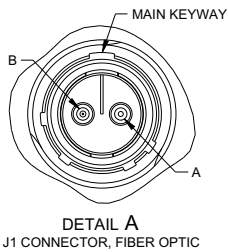
# STAND ALONE SINGLE CHANNEL FIBER OPTIC MEDIA CONVERTER

## CF-020011-35X

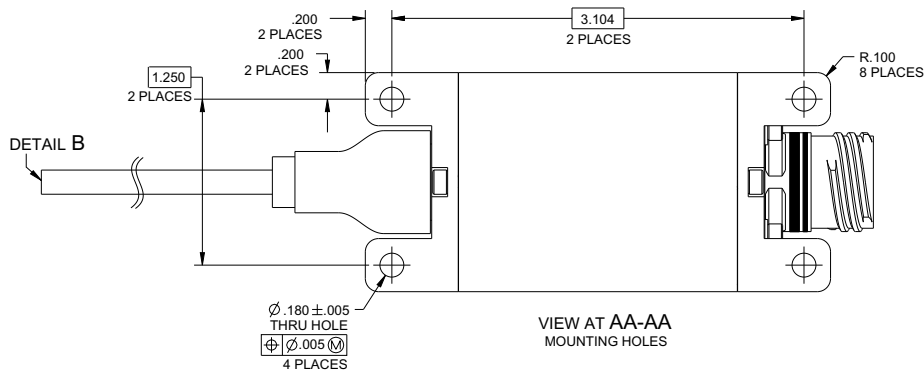
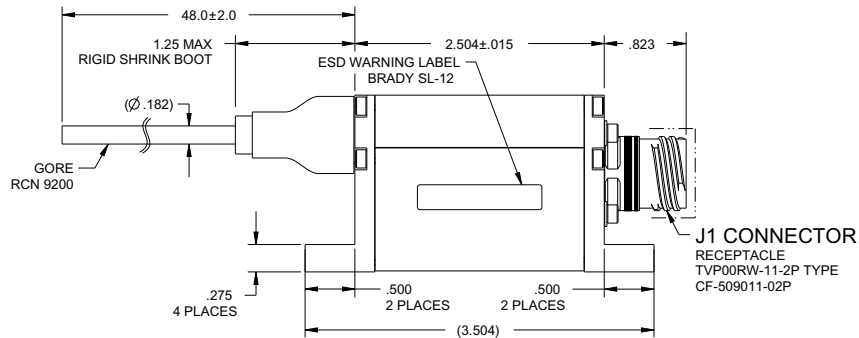


FRONT ISOMETRIC VIEW

REAR ISOMETRIC VIEW

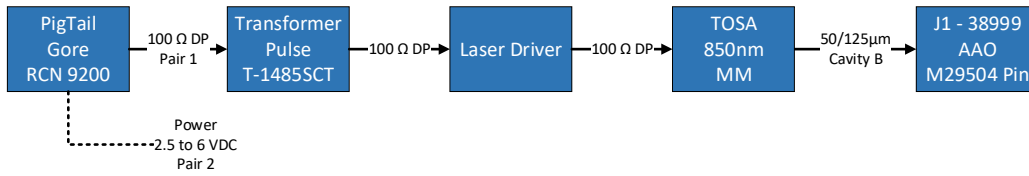


Pair 1 - 100 Ω Differential Pair for Data  
Pair 2 - 24 AWG for Power

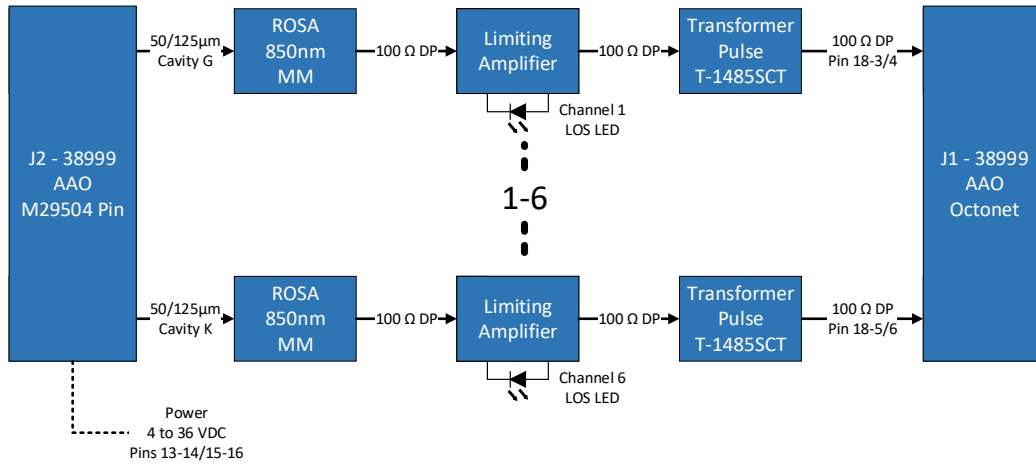


# BLOCK DIAGRAMS

## CF-020011-35X



## CF-020011-40X



## System View

