QUAD CHANNEL BI DIRECTIONAL FIBER TO COPPER MEDIA CONVERTER

Amphenol Aerospace

PDS - 342

DESCRIPTION

Amphenol's Quad Channel Bi-directional Fiber Optic Media Converter has four transmit and four receive channels to convert copper to fiber and fiber to copper utilizing Amphenol's long-time trusted MIL-DTL-38999 connectors. These converters have inputs and outputs on MIL-DTL-38999 copper and fiber optic connectors embedded with high performance Amphenol contacts. These units can be configured with any plating, paint finish, and shell rotation. These features are a perfect fit for any application being used in harsh environment avionics, ground systems, or naval applications.

FEATURES & BENEFITS

- Quad channel (4 transmit / 4 receive) for copper to fiber optic and fiber optic to copper conversion
- Stand-alone MIL-STD-704 powered device (28VDC)
- Support for agnostic and pathological data such as Fibre Channel, PCI-Express, 3G/HD-SDI, Ethernet, DVI and other line rate protocols
- Fiber optics can be ruby tipped or M29504 size 16 ceramic ferrules
- Copper interface is industry standard Amphenol Quadrax

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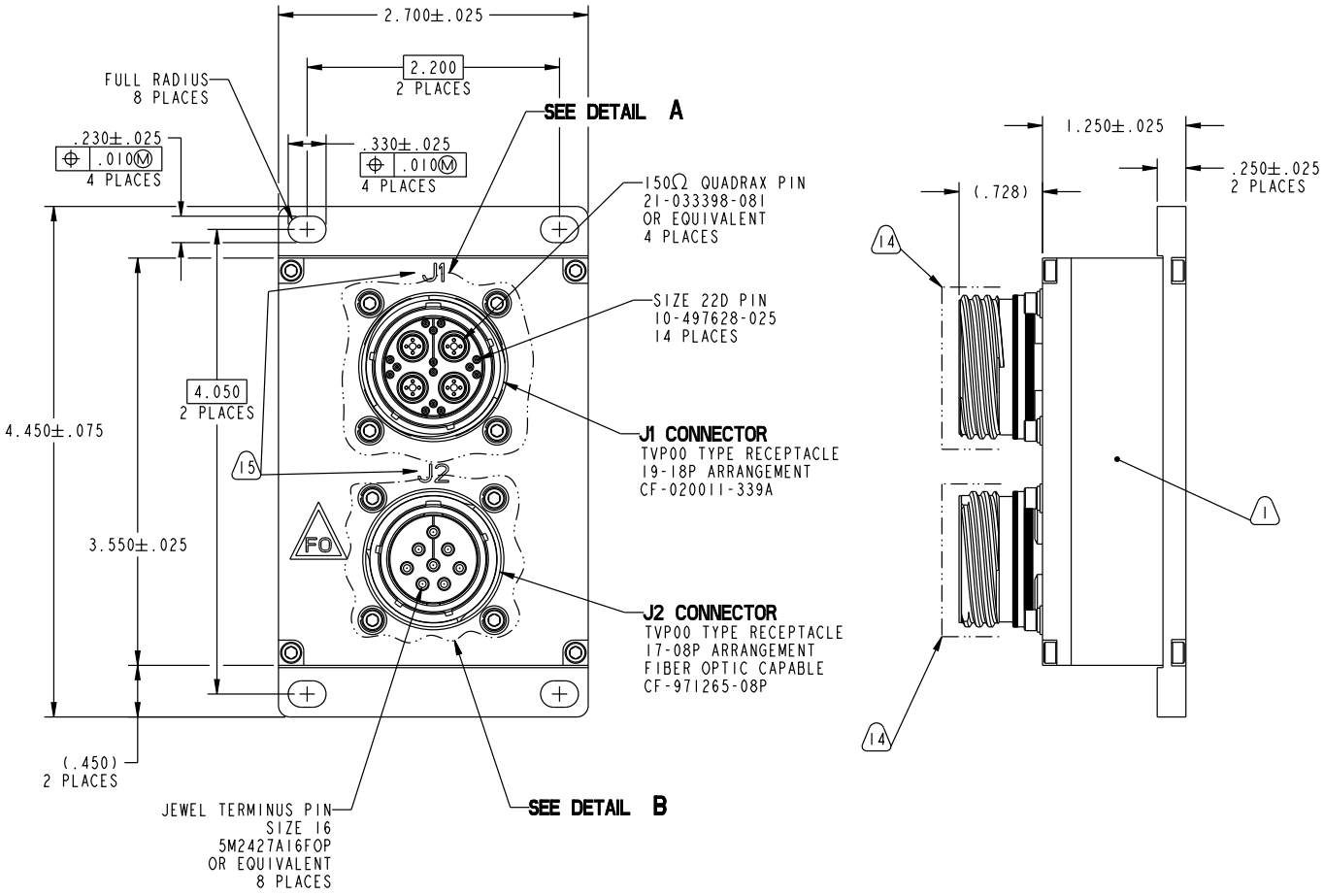
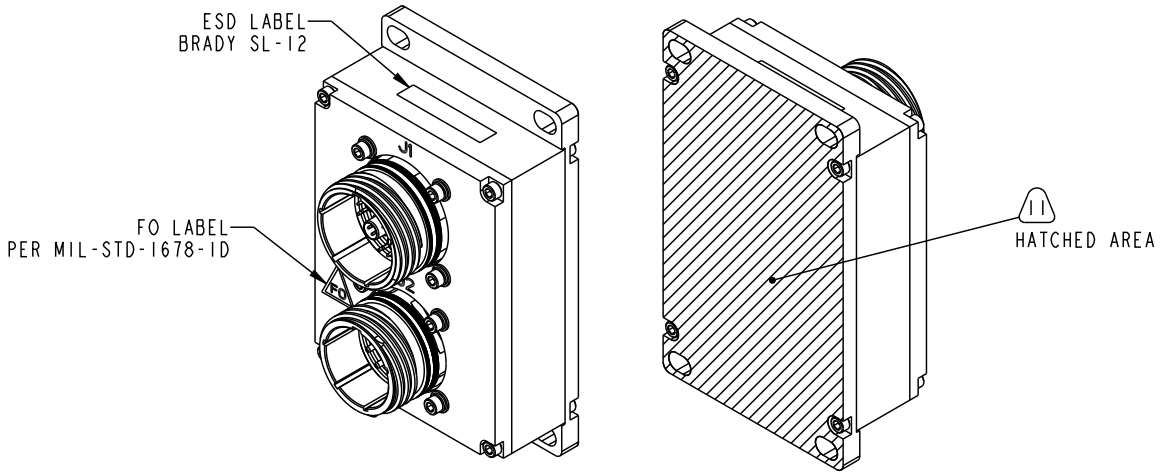
CF-020011-339 FIBRE CHANNEL MEDIA CONVERTER





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PIN-OUT CHARTS

J2 CONNECTOR I/O CHART	
PIN ID	**DESCRIPTION**
A	FIBRE CHANNEL 1 TX
B	FIBRE CHANNEL 2 TX
C	FIBRE CHANNEL 3 TX
D	FIBRE CHANNEL 4 TX
E	FIBRE CHANNEL 1 RX
F	FIBRE CHANNEL 2 RX
G	FIBRE CHANNEL 3 RX
H	FIBRE CHANNEL 4 RX

J1 CONNECTOR I/O CHART	
PIN ID	**DESCRIPTION**
A	PWR 28V IN
B-1	CHANNEL 1 TX+
B-2	CHANNEL 1 RX+
B-3	CHANNEL 1 TX-
B-4	CHANNEL 1 RX-
B-OUTER	SIGNAL GND
C	SPARE/DEBUG
D	SPARE/DEBUG
E	SPARE/DEBUG
F-1	CHANNEL 2 TX+
F-2	CHANNEL 2 RX+
F-3	CHANNEL 2 TXF-
4	CHANNEL 2 RXF-
F-OUTER	SIGNAL GND
G	SPARE/DEBUG
H	SPARE/DEBUG
J	SPARE/DEBUG
K-1	CHANNEL 3 TX+
K-2	CHANNEL 3 RX+
K-3	CHANNEL 3 TX-
K-4	CHANNEL 3 RX-
K-OUTER	SIGNAL GND
L	SPARE/DEBUG
M	SPARE/DEBUG
N	SPARE/DEBUG
P-1	CHANNEL 4 TX+
P-2	CHANNEL 4 RX+
P-3	CHANNEL 4 TXP-
P-4	CHANNEL 4 RX-
P-OUTER	SIGNAL GND
R	PWR RTN
S	CHASSIS GROUND
T	SPARE/DEBUG
U	SPARE/DEBUG

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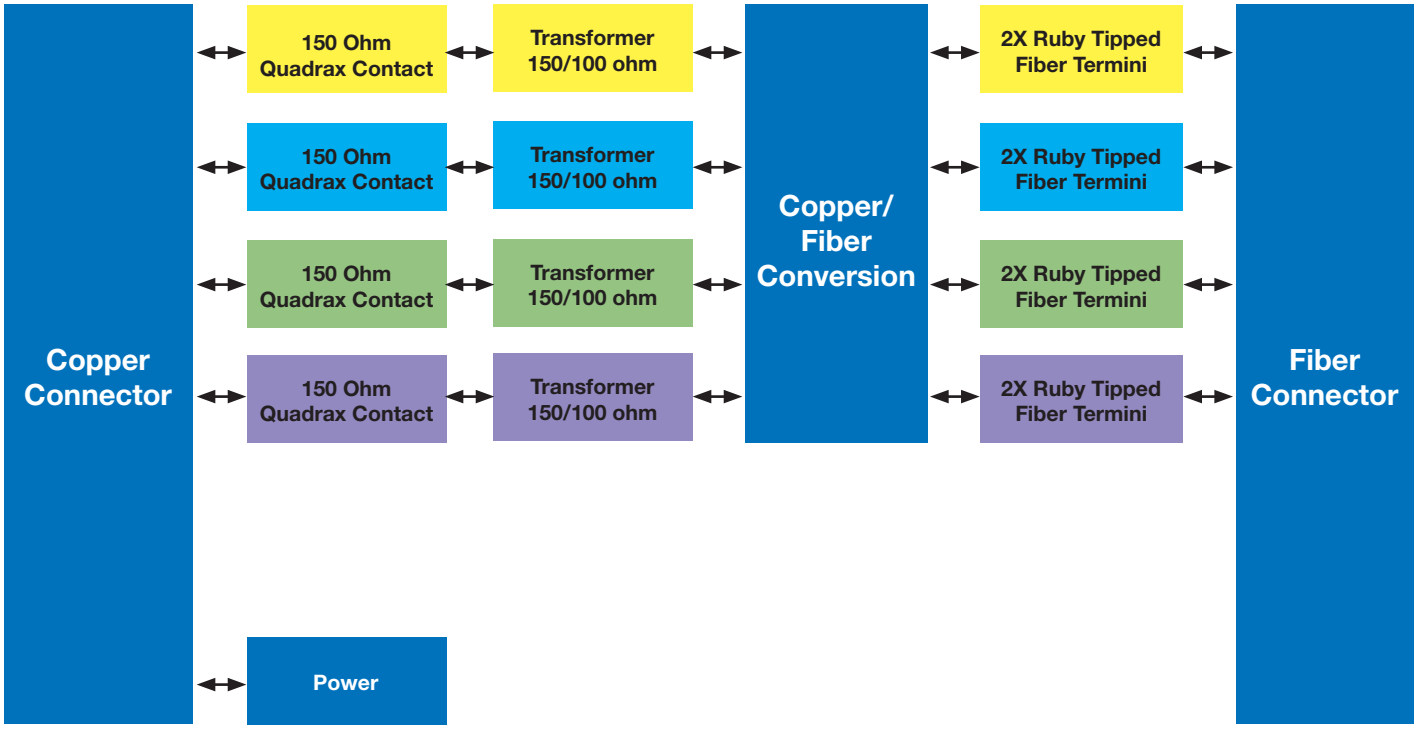
BLOCK DIAGRAM

Support for 100 & 150 Ohm interfaces



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