

Amphenol ARINC-600 CTF QUAD

ARINC-600 CTF QUAD

APPLICATIONS

- + 10G LX4
- + 1G/2G Fiber Channel
- + Gigabit Ethernet
- + Serial Rapid I/O
- + PCI - Express
- + Multi-rate OC-3 to OC-48 FEC
- + 10-Gigabit Ethernet WDM
- + sFPDP links
- + Video displays

FEATURES AND BENEFITS

- + Quadrx form factor embedded fiber optic transmitters and receivers
- + Replace any quadrx pin in receptacle and configure with media conversion copper to fiber and fiber to copper
- + Utilizes standard quadrx receptacle connectors and inserts
- + Integrated PCB to modulate or receive modulated data
- + Reduce board space by relying on electronics being incorporated within contact
- + < 10^{-12} BER with 2mVP-P Input Amplitude
- + AC coupling caps included for signal lines

RUGGEDIZATION

- + Industry standard rugged transmitters and receivers -40°C to +85°C
- + Components epoxy sealed in place

CONTACT US:

Koji Shinozaki

E-mail: Shinozaki@amphenol.co.jp

Phone: 045-473-9219

OVERVIEW

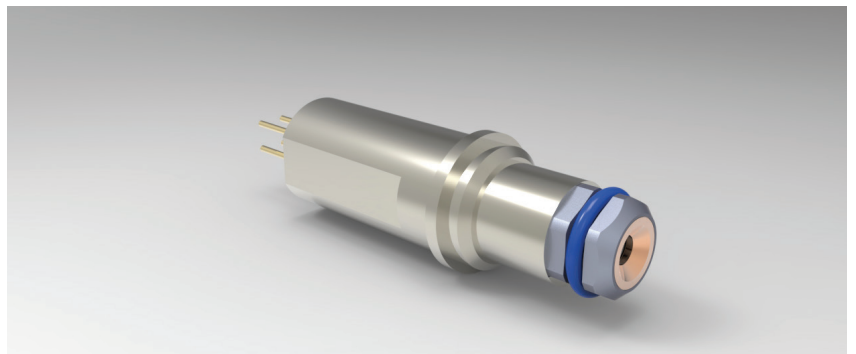
Amphenol Aerospace adds ARINC-600 CTF QUAD to the CTF (Copper to Fiber) Media Converter Product Family. This product line utilizes standard quadrx receptacle connectors and inserts. The ARINC-600 CTF QUAD product line is fiber to copper and copper to fiber media conversion in quadrx form factor pins for standard D38999 quadrx insert arrangements.

FIBER INTERFACE

- + Industry standard 1.25mm fiber optic ferrules (LC & ARINC-801)
- + Plug/Recept. side utilizes quadrx to ARINC-801 pin adapter for system fiber connection
- + Multimode fiber
- + Compatible with Arinc 600 / 404, EN 4165 & MIL-DTL-83527 Size 8Q cavities

COPPER INTERFACE

- + Speed support up to 5.0 Gbps for transmit and receive
- + PCB lead connection to customer circuit board
- + CML compatibility
- + 6 pin PC tail field
- + Monitor pin on receiver
- + Transmit disable and fault detector pin on transmitter
- + 50Ω differential pair for data input / output

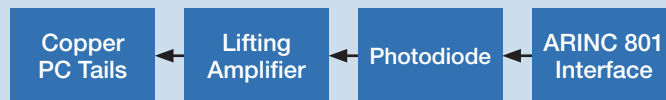


Transmitter (Size 8 Cavity)



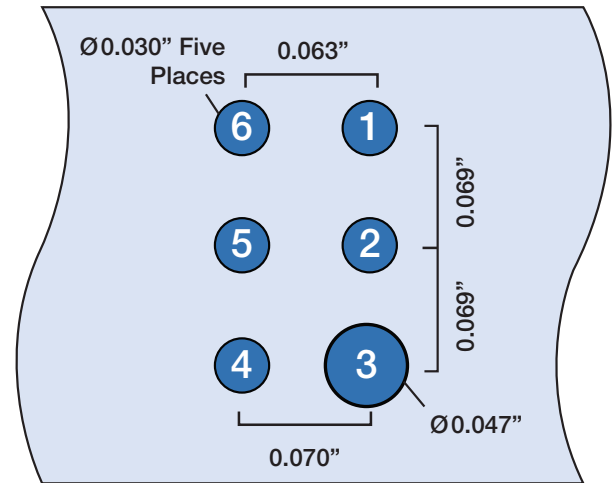
Pin #	Function	Description	
1	Disable	Transmit Disable - input Logic "0" Transmits Logic "1" Disables output	
2	Vcc	Supply Voltage	Filtered
3	GND	Ground	
4	Fault	Loss of Signal - Threshold (TH) of acceptance may be adjusted Logic "0" normal operation Logic "1" fault detected	Open collector TTL/CMOS
5	Input-	Inverted data output	CML
6	Input+	Non-inverted data output	CML

Receiver (Size 8 Cavity)



Pin #	Function	Description	
1	GND	Ground	
2	Vcc	Supply Voltage	Filtered
3	GND	Ground	
4	LOS	Loss of Signal - Threshold (TH) of acceptance may be adjusted Logic "0" above TH Logic "1" drops below TH	Open collector TTL/CMOS
5	Input-	Inverted data output	CML
6	Input+	Non-inverted data output	CML

PCB Mounting Surface

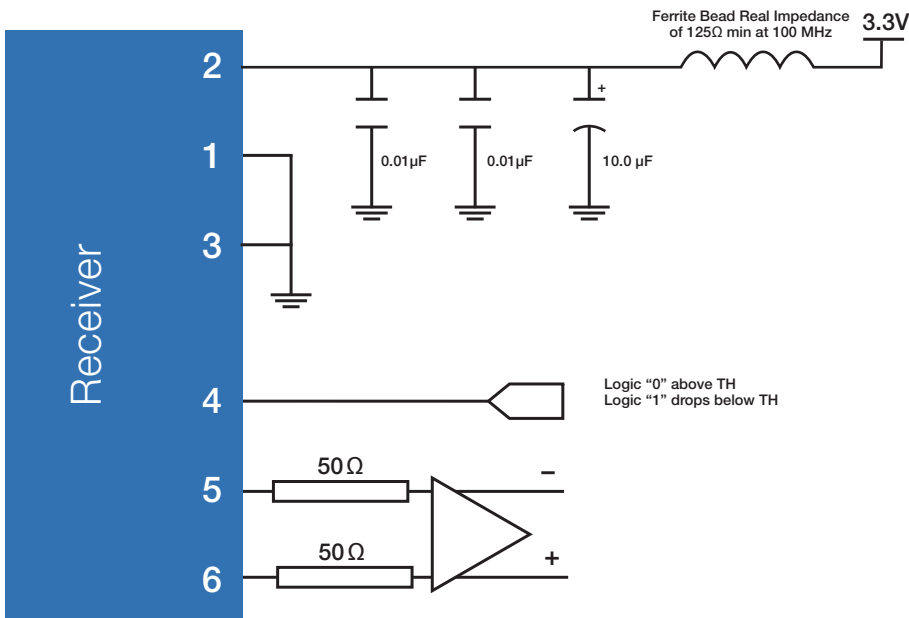
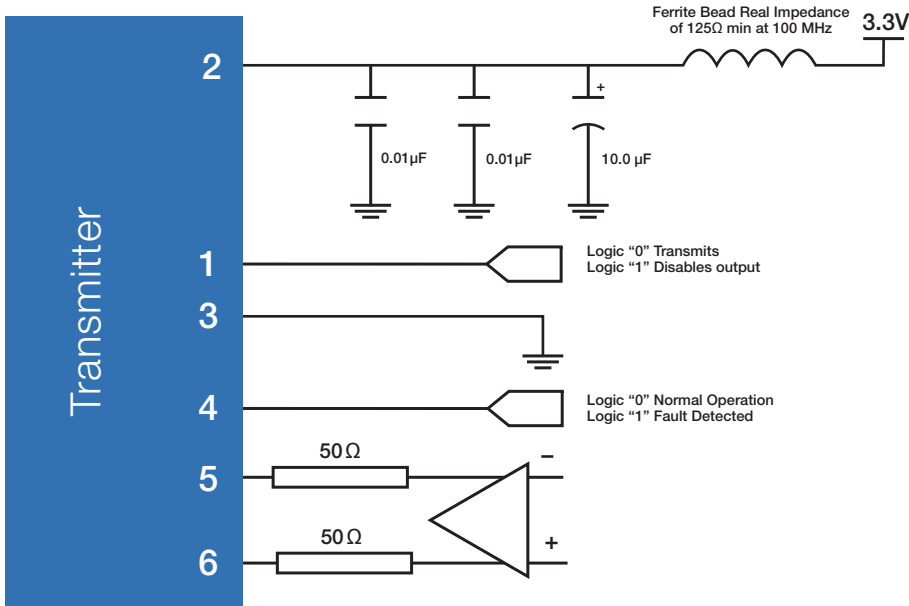


CONTACT US:

Koji Shinozaki

E-mail: Shinozaki@amphenol.co.jp

Phone: 045-473-9219



CONTACT US:

Koji Shinozaki

E-mail: Shinozaki@amphenol.co.jp

Phone: 045-473-9219

Notice: Specifications are subject to change without notice. Contact your nearest Amphenol Corporation Sales Office for the latest specifications. All statements, information and data given herein are believed to be accurate and reliable but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied. Statements or suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should assume that all safety measures are indicated or that other measures may not be required. Specifications are typical and may not apply to all connectors.

AMPHENOL is a registered trademark of Amphenol Corporation. ©2015 Amphenol Corporation REV:1/29/2015