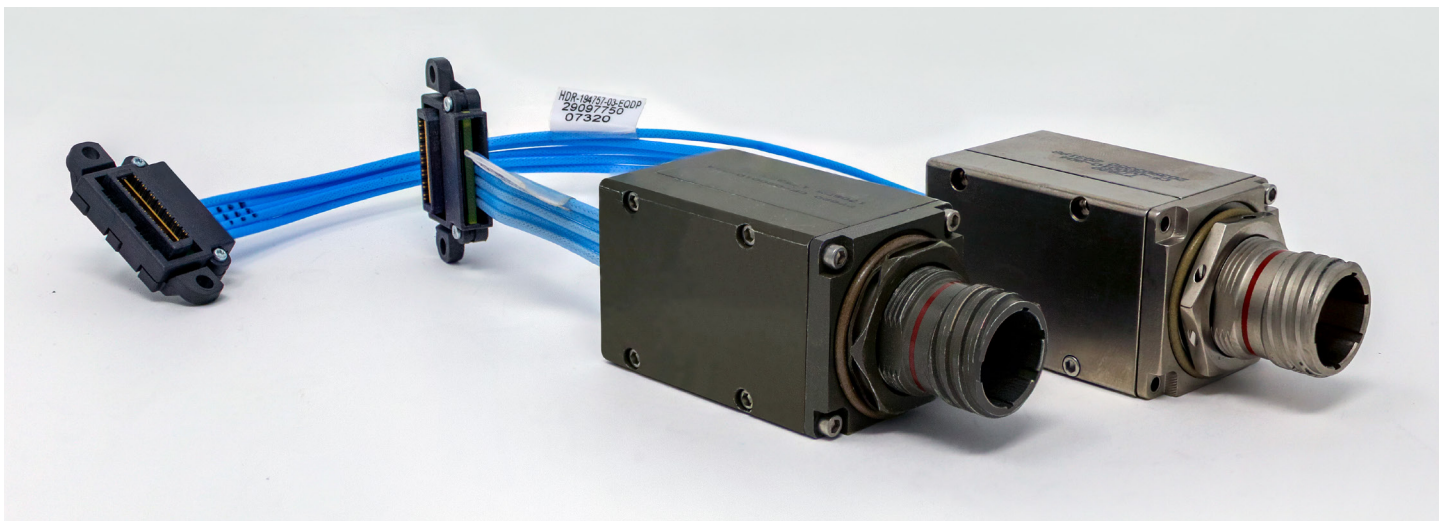


SINGLE CHANNEL OPTOELECTRONIC TRANSCEIVERS

PDS - 347



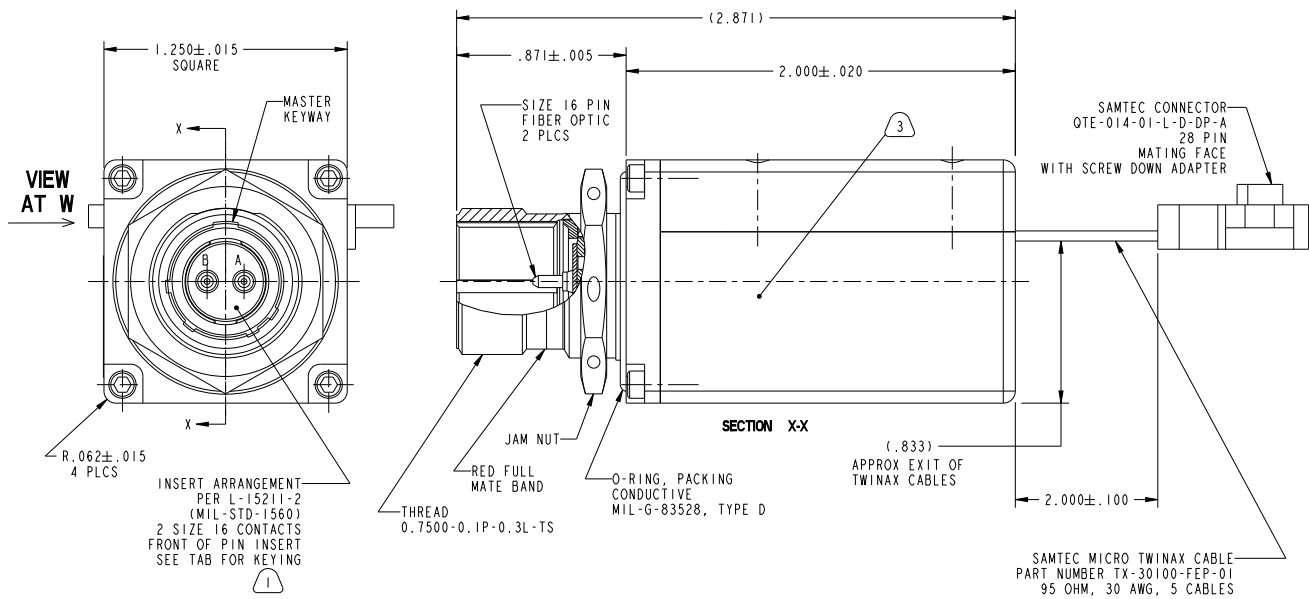
Amphenol's single channel optoelectronic transceivers utilize our long trusted MIL-DTL 38999 connectors along with a Samtec ribbon to convert 1GBase-SX or equivalent & 1GBase-FX creating a perfect fit for any application being used in harsh environment avionics, ground systems, or naval applications.

FEATURES & BENEFITS:

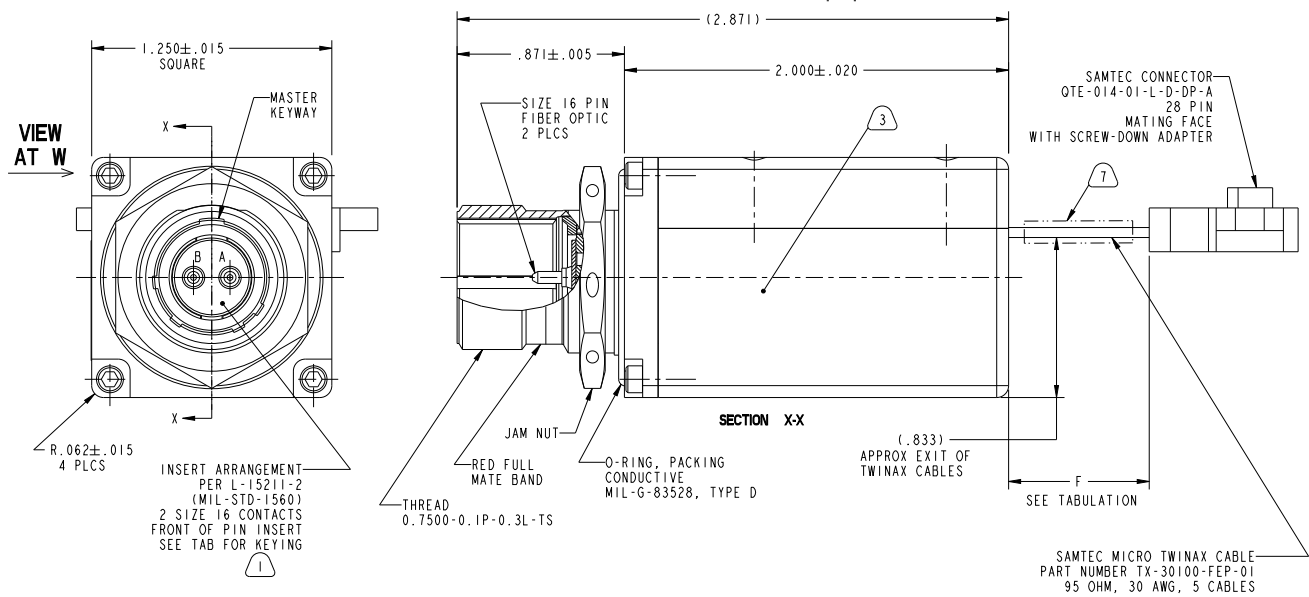
- Ethernet support from 1 Mbps to 4.256pbs
- MIL-DTL-3899 to Twinax cable on a Samtec ribbon
- TX/RX using 1GBase-SX or equivalent & 1GBase-FX
- 850nm & 1300nm multimode; single made on request
- -40° F (-40° C) to 185° F (85° C) operating temperatures



CF-020010-26X



CF-020010-90X



PIN-OUT CHARTS

CF-020010-26X

DIFF PAIR (CABLE #)	PIN NUMBER	SIGNAL NAME	COMMENTS
1	1	RX-	RECEIVE NEGATIVE
	3	RX+	RECEIVE NEGATIVE
2	5	GRD	GROUND
	7	GRD	GROUND
3	9	TXDIS	TRANSMIT DISABLE
	11	LOS	LOSS OF SIGNAL
4	13	3.3V	ETHERNET CHANNEL 1 TX
	15	3.3V	ETHERNET CHANNEL 1 RX
5	17	TX+	ETHERNET CHANNEL 2 TX
	18	TX-	ETHERNET CHANNEL 2 RX
	2,4,6,8,10, 12,14,16, 18,20-28		NOT CONNECTED

CF-020010-90X

DIFF PAIR (CABLE #)	PIN NUMBER	SIGNAL NAME	COMMENTS
1	1	RX-	RECEIVE NEGATIVE. LVPECL SIGNAL TO THE CONVERTER
	3	RX+	RECEIVE POSITIVE. LVPECL SIGNAL TO THE CONVERTER
2	5	LOS	LOSS OF SIGNAL. NORMAL OPTICAL INPUT LEVELS TO THE RECEIVER RESULT IN A LOGIC "0" OUTPUT FROM THE CONVERTER. LOW OPTICAL INPUT LEVELS TO THE RECEIVER RESULT IN A LOGIC "1" OUTPUT FROM THE CONVERTER.
	7	GRD	GROUND
3	9	TX-	TRANSMIT NEGATIVE. LVPECL SIGNAL FROM THE CONVERTER.
	11	TX+	TRANSMIT POSITIVE. LVPECL SIGNAL FROM THE CONVERTER.
4	13	3.3V	3.3V POWER
	15	3.3V	3.3V POWER
5	17	TX+	TRANSMIT DISABLE. MUST BE PULLED HIGH OR LOW. A LOGIC HIGH WILL DISABLE THE TRANSMITTER. A LOGIC LOW WILL ENABLE THE TRANSMITTER.
	19	TX-	GROUND
	2,4,6,8,10,12, 14,16,18, 20-28		NOT CONNECTED