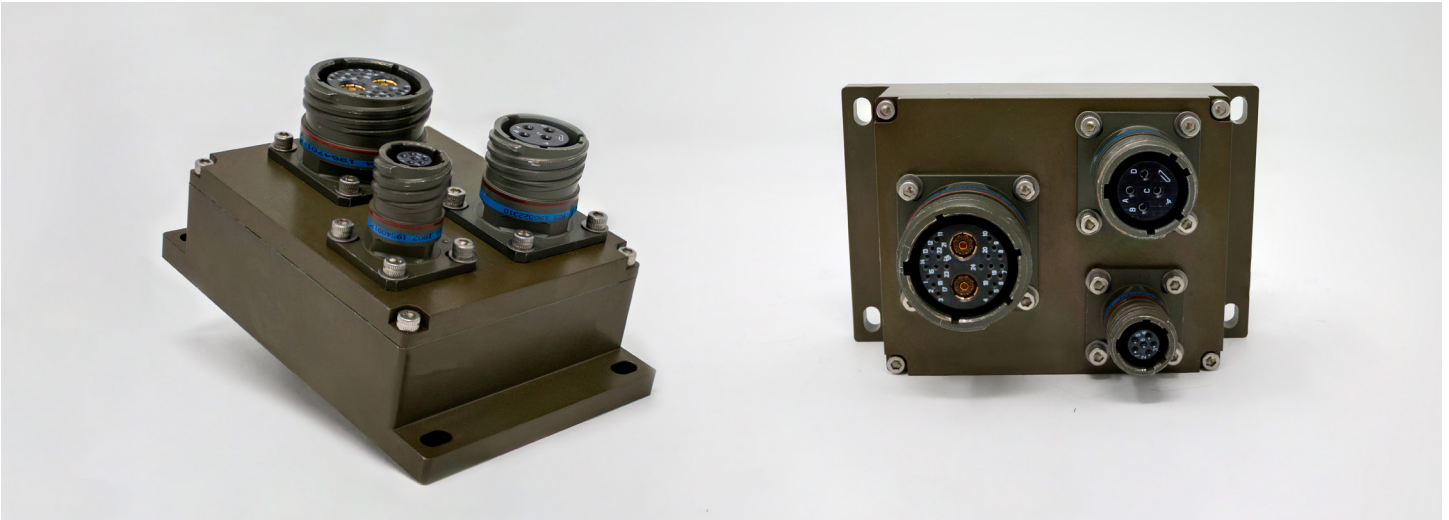


DUAL CHANNEL 10GBASE-SR TO 10GBASE-T CONVERTER

PDS - 346



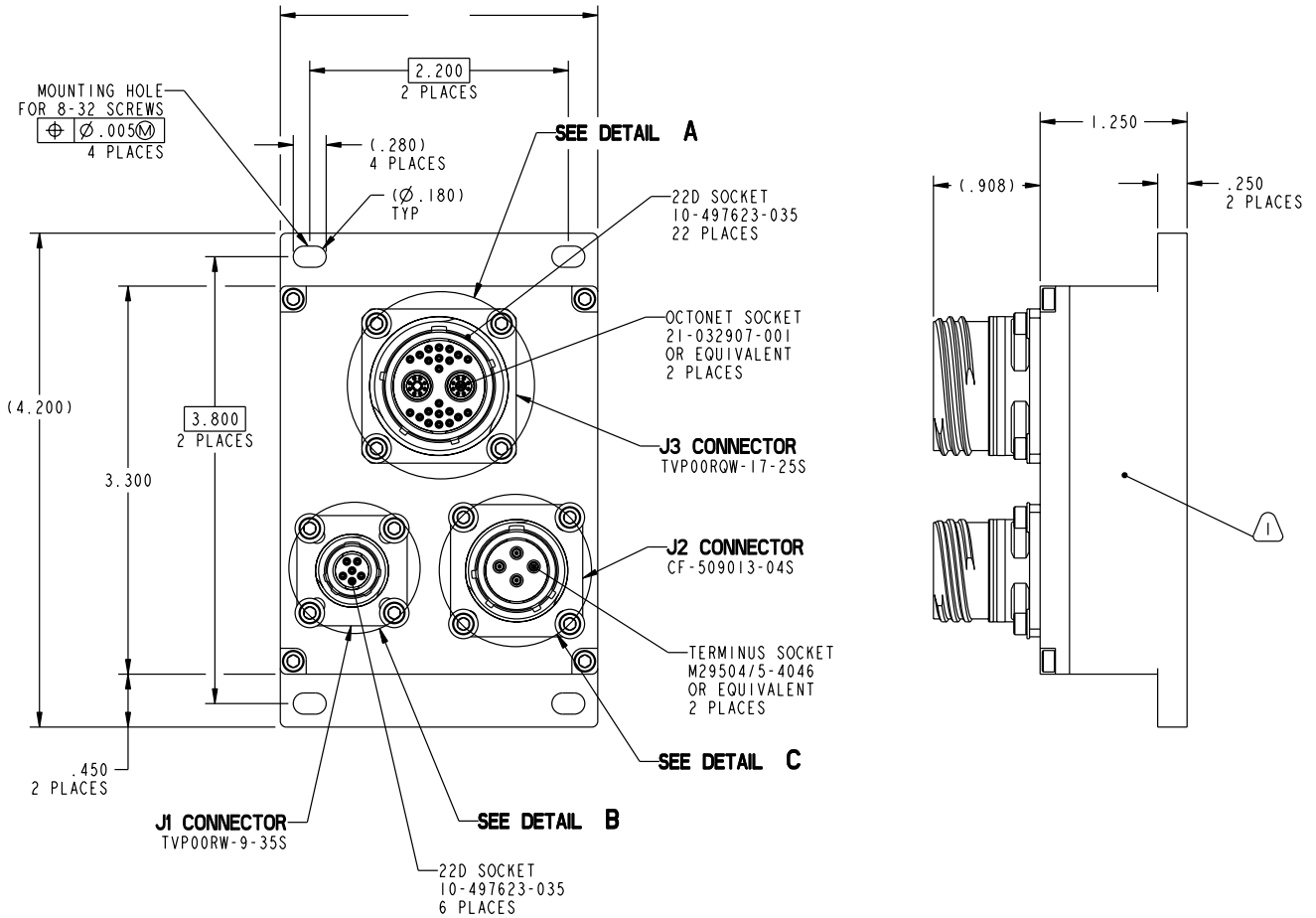
This product converts two channels of 1G or 10GBase-T copper Ethernet to fiber optic protocols. In the 1GBase-T protocol, the corresponding fiber protocol is 1GBase-SX. In the 10GBase-T protocol, the corresponding fiber protocol is 10GBase-SR. The product auto-negotiates the fastest speed on the copper side of the interface and then sets the fiber speed. In addition to the functionality described above, this part is also available as a stand-alone item to a platform with a 28VDC input power connector.

FEATURES & BENEFITS:

- Two Channels of Ethernet – two transmits / two receives
- 850nm signal compatible 50/125 multi-mode fiber (options exist for 62.5/125)
- Copper protocols are auto-negotiated and can be 1GBase-T or 10GBase-T compliant to IEEE 802.3an standards
- Fiber protocols can be 1GBase-SX and 10G Base-SR compliant to industry standards.
- Fiber optic output power is -3dBm minimum.
- Fiber optic receive sensitivities are -13dBm minimum.
- Power supply is 28V; 5 Watts max
- Stand-alone adapter for integrating systems
- Expandable from 1G to 10G speeds
- Conduction cooled and -40C- to +85C operating temperatures



CF-020011-332



PIN-OUT CHARTS

CONNECTOR	PIN	COMMENTS
J1	1	CHASSIS GROUND
	2	CHASSIS GROUND
	3	CHASSIS GROUND
	4	CHASSIS GROUND
	5	28V IN
	6	GROUND
J2	A	ETHERNET CHANNEL 1 TX
	B	ETHERNET CHANNEL 1 RX
	C	ETHERNET CHANNEL 2 TX
	D	ETHERNET CHANNEL 2 RX

CONNECTOR	PIN	COMMENTS
J3	1	SPARE/DEBUG
	2	SPARE/DEBUG
	3	SPARE/DEBUG
	4	SPARE/DEBUG
	5	SPARE/DEBUG
	6	SPARE/DEBUG
	7	SPARE/DEBUG
	8	SPARE/DEBUG
	9	SPARE/DEBUG
	10	SPARE/DEBUG
	11	SPARE/DEBUG
	12	SPARE/DEBUG
	13	SPARE/DEBUG
	14	SPARE/DEBUG
	15	SPARE/DEBUG
	16	SPARE/DEBUG
	17-1	CHANNEL 1 DA+
	17-2	CHANNEL 1 DA-
	17-3	CHANNEL 1 DB+
	17-4	CHANNEL 1 DB-
	17-5	CHANNEL 1 DC+
	17-6	CHANNEL 1 DC-
	17-7	CHANNEL 1 DD+
	17-8	CHANNEL 1 DD-
18	SPARE/DEBUG	
19	SPARE/DEBUG	
20	SPARE/DEBUG	
21-1	CHANNEL 1 DA+	
21-2	CHANNEL 1 DA-	
21-3	CHANNEL 1 DB+	
21-4	CHANNEL 1 DB-	
21-5	CHANNEL 1 DC+	
21-6	CHANNEL 1 DC-	
21-7	CHANNEL 1 DD+	
21-8	CHANNEL 1 DD-	
22	SPARE/DEBUG	
23	SPARE/DEBUG	
24	SPARE/DEBUG	