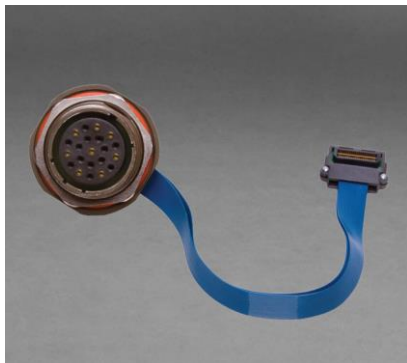




## New Product released

### LIGHTNING 10GBPS QUAD PORT WALL MOUNT CONNECTOR TRANSCEIVER



Lightning 10Gbps series optical fiber transceivers consist of optoelectronic transmitter and receiver functions integrated into a bulkhead mounted D38999 connector.

The optical transmitters are 850nm VCSEL lasers. The transmitter input lines are driven with differential CML signals applied to the transmitter (TX+ and TX-) lines. Dual loop, temperature compensated, VCSEL drivers convert the transmitter input signals to suitable VCSEL bias and modulation currents.

Outputs from the receivers consist of differential CML data signals on the receiver (RX+ and RX-) lines. An LVTTTL signal is generated on the LOS line upon receipt of an invalid incoming optical signal. The receiver data lines are squelched upon LOS assertion, preventing errant data generation when an invalid incoming optical signal is presented to the transceiver.

## FEATURES

- Up to 10.3125Gbps data rate per channel
- Compliant to 10Gbase SR Ethernet, Fibre channel, ARINC818
- Electrical connection via ARC6 with rugged matching latching and shield, allowing connection to a rigid/flex PCB or an ARC6 ribbon cable
- Optical fiber link distances up to 300 meters (50/125µm 2000 MHz\*Km MMF - OM3)
- Build into D38999 size23 connector with optical MIL-T 29504 interface
- Temperature range: -40° to +85 °C
- Power supply: 3.3 VDC



The MOOG logo, consisting of the word "MOOG" in a bold, red, sans-serif font.

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