

050-330

Glenair PCB Mount Dual Transmitter / Dual Receiver Evaluation Board

Description

The 050-330 Evaluation boards can be used to evaluate multiple types of Glenair PCB Mount Dual Optical transmitters / Receivers (UUT). The evaluation board has been designed for high data rate operation and incorporates 4 SMA connectors that interface with high speed 100 ohm differential lines which can support testing products up to 10Gbps data rates for both multi-mode and single mode applications.

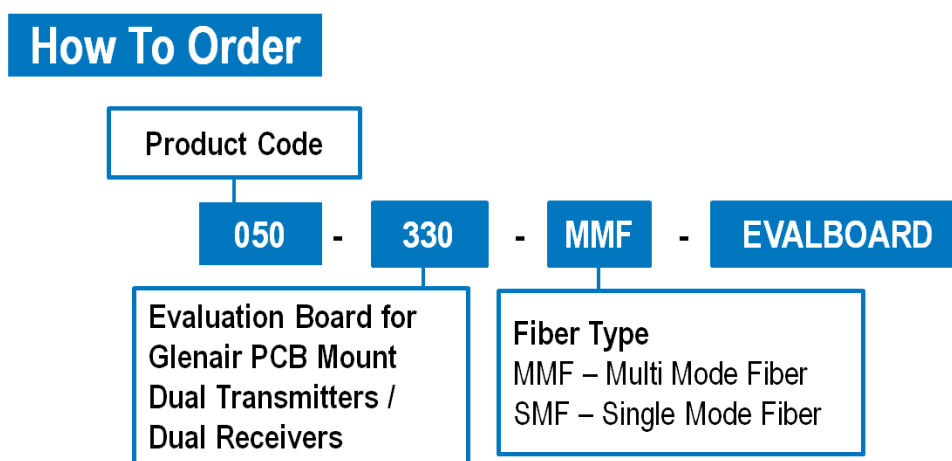
The evaluation board is designed as an interface to allow evaluation of the Dual Optical Transmitter and the Dual Optical receiver on the board mount transceiver module. Devices are powered through the 3.3V and GND connections.

For the transmitter, Fault condition (TX-Fault) can be monitored via a test point and the Transmitter disable (TX-Disable) can be controlled via a Jumper.

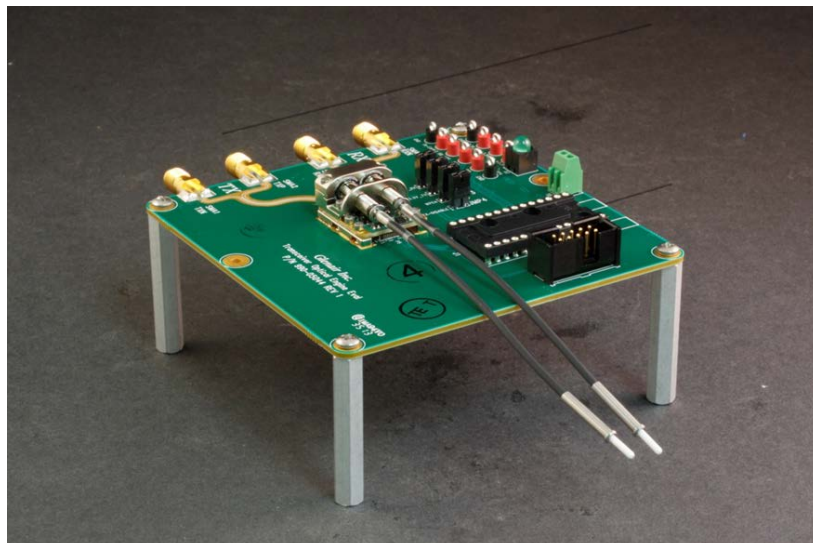
For the receiver, loss of signal (LOS) state can be monitored via a test point.

How to Order

The 050-330 evaluation board is a versatile general purpose test board that can be used to test many models of PCB Mount Dual Transmitters and Dual Receivers. The test board has been designed to have high speed electrical I/O that is supportive of a few Mbps to 12.5Gbps. The part number development is described below.



Board Photo



What is included with the Evaluation board

The 050-330-MMF-EVALBOARD kit includes the following:

- Evaluation board PCBA
- 2 fiber optic MMF test jumper cables (P/N: FA02318, 1-2m, 50 μ m/125 μ m, GC connector to LC connector)
- 4 Mounting Screws (#0-80 x 3/16 SHCS)
- 1 LC to LC adapter

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| 050-330-MMF-EVALBOARD | <p>USED TO TEST THE FOLLOWING:</p> <p>050-316 (Dual Transmitter, 850nm VCSEL MMF, 0.1-4.25 Gbps)</p> <p>050-317 (Dual Receiver, 850nm VCSEL MMF, 0.1-4.25 Gbps)</p> <p>050-331 (PCB Mount OE Dual Transmitter, 850nm VCSEL , 3G SDI)</p> <p>050-332 (PCB Mount OE Dual Receiver, 850nm VCSEL, 3G SDI)</p> |
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The 050-330-SMF-EVALBOARD kit includes the following:

- Evaluation board PCBA
- 2 fiber optic SMF test jumper cables (1-2m, SMF 9/125 μ m , GC connector to LC connector)
- 4 Mounting Screws (#0-80 x 3/16 SHCS)
- 1 LC to LC adapter

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| 050-330-SMF-EVALBOARD | <p>USED TO TEST THE FOLLOWING:</p> <p>050-319 (PCB Mount OE Dual Transmitter, 1310nm FP up to 4.25GBPS)</p> <p>050-320 (PCB Mount OE Dual Receiver, 1310nm FP up to 4.25GBPS)</p> |
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