



050-329

Glenair PCB Mount Transceiver Evaluation Board

Description

The 050-329 Evaluation boards can be used to evaluate multiple types of Glenair PCB Mount Optical transceivers (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 Optical Transmitter and the Optical receiver on the board mount transceiver module. Devices are powered through the 3.3V and GND connections.

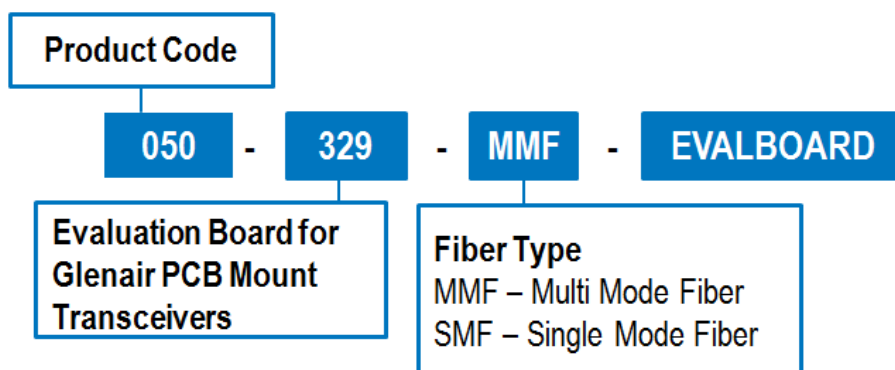
For the transmitter, Fault condition (TX-Fault) can be monitored via a test point and the Transmitter disable (TX-Disable) can be controlled via a Jumper.

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

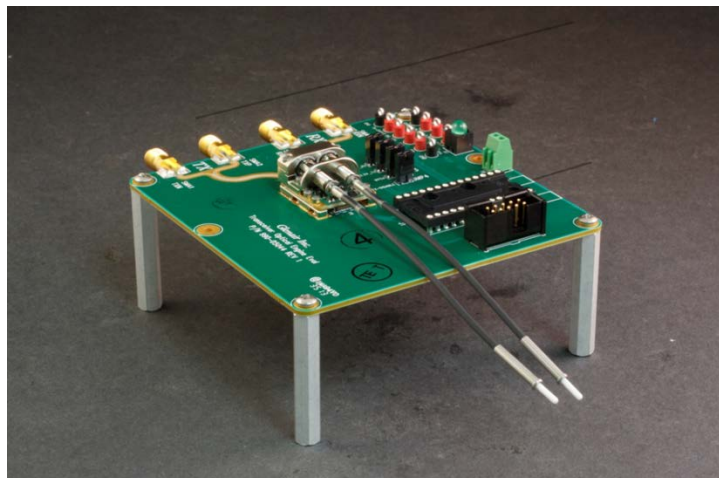
How to Order

The 050-329 evaluation board is a versatile general purpose test board that can be used to test many models of PCB Mount transceivers. 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.

How To Order



Board Photo



What is included with the Evaluation board

The 050-329-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

050-329-MMF-EVALBOARD	USED TO TEST THE FOLLOWING: 050-315 (850nm VCSEL MMF XCVR, 0.1-5 Gbps) 050-321 (1300nm LED MMF XCVR, 0.05-.2 Gbps) 050-327 (850nm VCSEL MMF XCVR, 5-10 Gbps)
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The 050-329-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

050-329-SMF-EVALBOARD	USED TO TEST THE FOLLOWING: 050-318 (1310 nm FP SMF XCVR, 0.1-4.25 Gbps) 050-324 (1310 nm DFB SMF XCVR, 0.1-4.25 Gbps) 050-328 (1310 nm DFB SMF XCVR, 5-10.5 Gbps) 050-342 (CWDM SMF XCVR, 0.1-2.5 Gbps)
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