

CFP Electrical Passive Loopback Module

ML4013

MSA Compliant 100G
(10x10G) Interconnects



Key Features

- Passive CFP loopback module, 10 TX & 10 RX Lanes operating at 100 Gb/s per lane
- Built with advanced PCB material
- High performance signal integrity traces
- CFP MSA Form Factor
- Insertion counter
- Programmable Power dissipation up to 24W, custom modules can go up to 40W
- Custom memory maps
- RX_LOS-Alarm driven by TX_DIS control or MDIO register
- MSA compliant Digital Diagnostic and Monitoring register (DDM)
- 3 Status LED indicator
- Temperature sensing

- Hot Pluggable module
- Cut-Off temperature preventing module overheating

Ordering information ML4013

Superior Integrity and Performance

Summary

CFP Electrical Passive Loopback Module **ML4013**, is designed to provide an efficient and easy method of characterizing and testing 10x10G CFP ports.

The **ML4013** comes packaged in a MSA compliant shell housing offering excellent heat dissipation. It can be programmed to different power levels through an MDIO interface, thus emulating all CFP power classes.

Transmit data from the host is electrically routed, (internal to the loopback module), to the receive data outputs and back to the host. It provides an economical way to exercise CFP ports during R&D validation, production testing, and field testing.

Applications

- 10x10G Electrical module testing and characterization
- CFP Port compliant testin

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