# SFP28 MCB

## ML4024

### SFP28 Host module
28G Interconnects



## Key Features

- DUT voltage supply control (3.15V, 3.3V, 3.45V)
- DUT Current Sense
- Superior Signal Integrity Performance Rogers 3003 based PCBs
- Low Insertion Loss
- Temperature Monitor
- Four corner test capability
- Supports 28G interfaces
- I2C master driven from both on board micro controller or external pin headers
- USB interface
- User friendly GUI for I2C R/W commands and loading custom MSA Memory Maps
- TX and RX channels comes with matching trace length
- On-board LEDs showing MSA output Alarms states
- On-board buttons/jumpers for MSA input control signals
- 2.92mm 40GHz edge launch k connectors
- OSP plating

## Ordering information
ML4024

## Superior Integrity and Performance

### Summary
SFP28 Host (Small Form Factor 28) MSA Compliant Master Host board ML4024, is designed to provide an efficient and easy method of programming and testing 28G SFP28 transceivers.
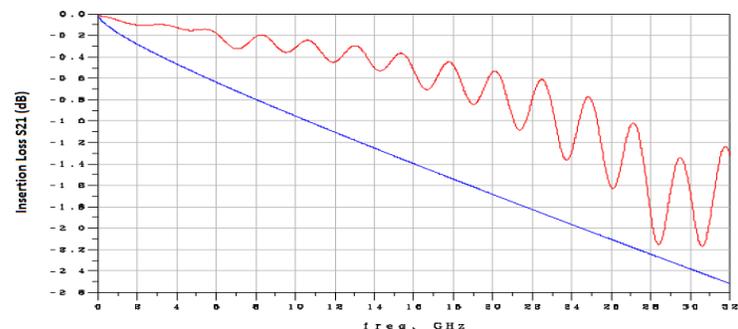
The ML4024 comes complete with Window's based software and user manual to enable intuitive memory map programming and testing, controlled via mini B USB.

The SFP28 host is designed to simulate an ideal environment for SFP28 transceivers module and cable testing, characterization and manufacturing tests. Its properties make the host board as electrically transparent as possible, allowing for a more accurate assessment of the module's performance.

## Software Capabilities
SFP28 Module Status/Control
MSA Compliancy

## Compliant with CEI-28G-VSR MCB characteristics



**Blue: MCB reference SDD21**
**Red: ML4024 SDD21**

**Applications**

• 28G Electrical module testing and characterization

• High-speed data interface between an ASIC (SerDes) and the SFP28 module