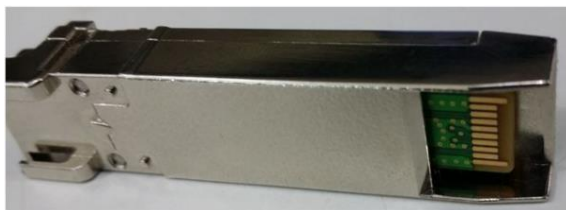


## SFP28 Passive Loopback Module

# ML4026-28

### SFP28 Loopback module

(1x28G) Interconnects



#### Key Features

- Operation up to 28Gb/s per lane
- Custom Memory Maps
- 100% at rate AC testing
- Temperature range from 0° to 80° C
- SFF-8472 Compliant EEPROM
- Power Consumption of 2W, spread over 6 spots
- Voltage sense
- Current sense
- Temperature sense
- Dual LED indicator
- Insertion Counter
- Automatic shut down and self-protection
- Micro controller based

**Ordering information** ML4026-28

## Superior Integrity and Performance

### Summary

**SFP28** Passive Electrical Loopback **ML4026-28**, is used for testing SFP28 transceiver ports under board level tests. Substituting a fully featured SFP28 transceiver with the ML4026- 28 in loopback provides a cost effective low loss method for SFP28 port testing.

The **ML4026-28** comes packaged in a standard MSA housing compatible with all SFP28 ports. High speed signals are electrically lopped back from TX side to RX side of the module, the differential TX pair is connected to the corresponding RX pair, and the signals are AC coupled as specified by SFP MSA HW specs. It provides an economical way to exercise SFP28 ports during R&D validation, production testing, and field testing.

The **ML4026-28** provides SFP28 power Class 1, 2, 3 or 4(standard), loading using a customer supplied +3.3V voltage supply.

### Applications

- 1x28G Electrical module testing and characterization
- SFP28 Port compliant testin