LUXSHARE TECH
立讯技术

SFP+ Loopback

OVERVIEW

SFP+ series Loopback module is used for testing SFP+ transceiver ports under board level tests. This module is packaged in standard MSA housing compatible with all of SFP+ IO ports. The module can loop 1 lane 10Gbps transmitting data back to receiver port, it provides an efficient way to verify SFP+ IO ports during R&D test, manufacturing testing and field testing.

The module provides programmable power dissipation up to 3W allowing the module to emulate all the SFP+ power classes. It also provides a voltage sense, an insertion counter, a power staging, a LED blinking rate, an upper temperature cut-off and 4 temperature sensors.

FEATURES & BENEFITS

- 3.3V voltage supply
- Supports 10Gbps electrical interface
- Loops back TX to RX on the ports
- Input / Output differential 100+/-10% ohm
- -5 dB attenuation
- I2C interface & MSA compatible
- 4 independent power heathers, with 0.2W solution up to 3Wrequirement
- Hot pluggable module
- 2 statues LED indicator
- Temperature monitor and alarms warning
- Customer memory maps
- Voltage monitoring
- Low speed signal control

PRODUCT APPLICATIONS

Server testing - NIC IO testing
NAS (Network Attached Storage) test
HPC test
Router/Switch test

INDUSTRY STANDARDS

SFF 8431
SFF 8472
IEEE802.3ba

TECHNICAL INFORMATION

MATERIAL

Contact gold plated 30u''
Nickel plated zinc die cast shells & latching
Mechanism parts
Thermoplastic cable pull tab

ELECTRICAL PERFORMANCE

Differential impedance: 100ohm
Current :0.5 A/contact
Voltage: 30 V AC/contact

MECHANICAL PERFORMANCE

Rated Durability Cycles: 250
Latch Pull Strength: 90N MIN
Cable Retention in Plug: 90N MIN

ENVIRONMENTAL

Operating temperature range: -20°C to +105°C
RoHS compliant

Partial PN Table

Product Numbers	Product Description
LA0SF201-SD-R	SFP+ Loopback -5dB 1W