

QSFP28 100GE LR4 10 km

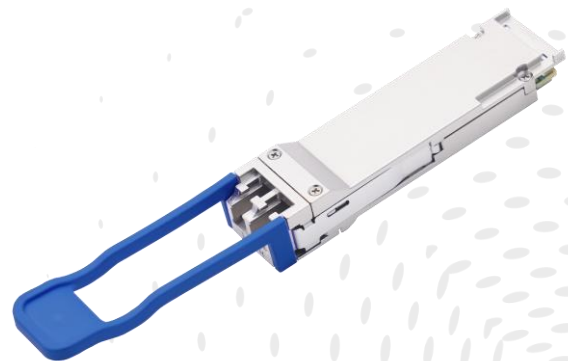
Databrief

Product Features

- QSFP28 MSA compliant
- Compliant to IEEE 802.3ba 100GBASE-LR4 and OTN OTU4 411-9D1F
- Digital diagnostic monitoring support
- Hot-pluggable 38-pin electrical interface
- 4 LAN-WDM lanes MUX/DEMUX design
- 4 x 25G & 4 x 28G electrical interface
- Maximum power consumption:
OM9558LD120 4 W
OM9558LD121 3.5 W
- LC duplex connector
- Supports 103.125 Gbps and 111.81 Gbps aggregate bit rate
- Up to 10 km transmission on single mode fiber
- Operating case temperature: 0°C to 70°C
- Single 3.3 V power supply
- RoHS 2 compliant

Applications

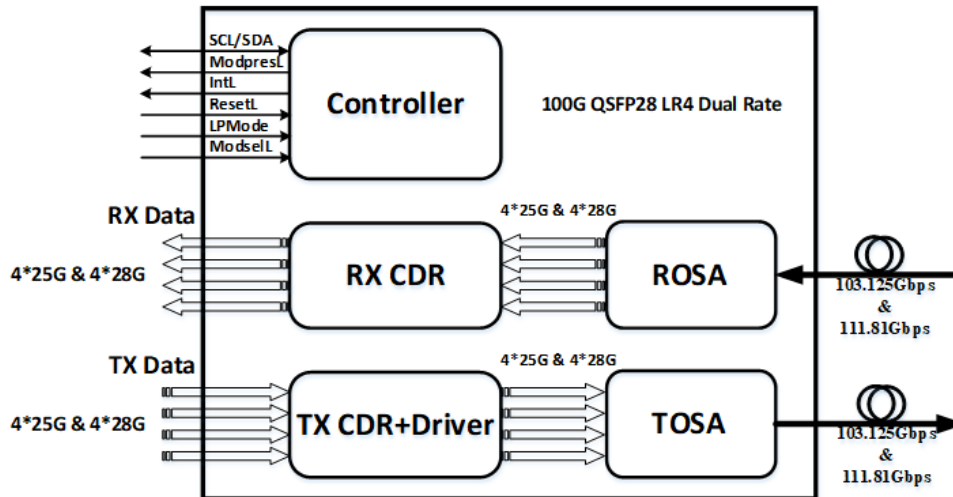
- 100GBASE-LR4 Ethernet
- OTN OTU4 411-9D1F
- Telecom networking
- Data Center Interconnect
- Enterprise networking



1. Function Description

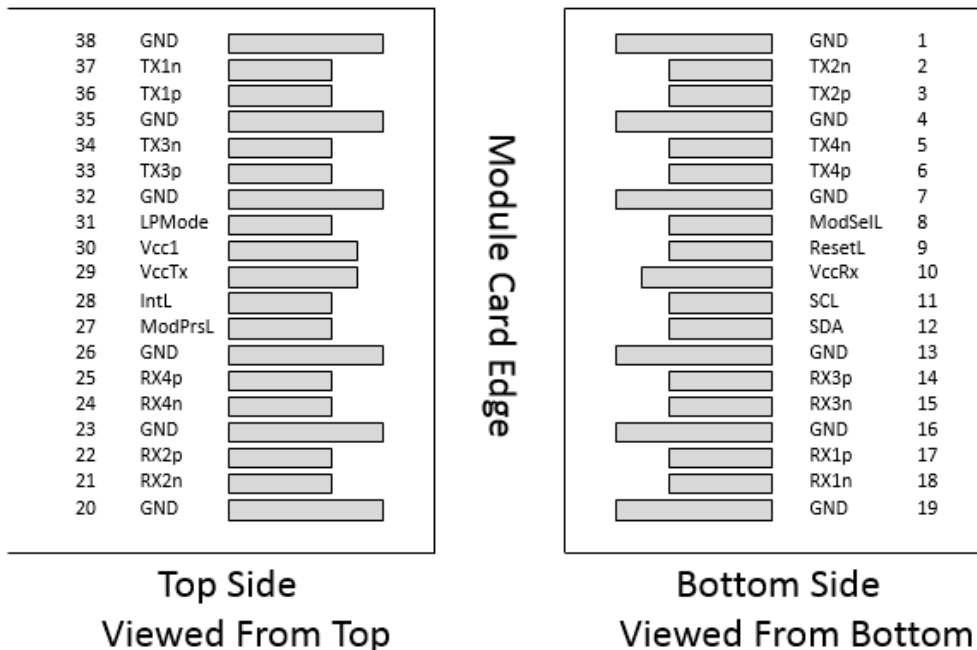
This module is designed for 10 km optical communication applications, and it is compliant to IEEE 802.3ba for 100GE Ethernet and ITU-T 411-9D1F for OTU-4. This module contains 4-lane optical transmitter, 4-lane optical receiver and module management block including 2 wire serial interfaces. The optical signals are multiplexed to a single-mode fiber through an industry standard LC connector. A block diagram is shown in Figure 1-1.

Figure 1-1 Transceiver block diagram



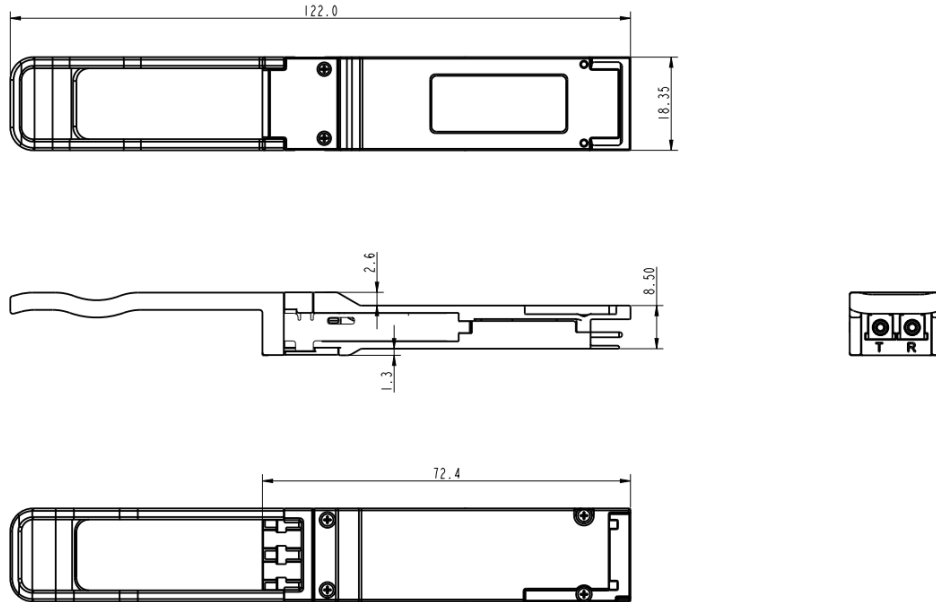
2. Pin Descriptions

Figure 2-1 MSA compliant connector



3. Mechanical Specifications

Figure 3-1 Mechanical dimensions




4. Ordering Information

Part Number	Description
OM9558LD120	QSFP28 100GE&OTU4 LR4 10 km, dual rate
OM9558LD121	QSFP28 100GE&OTU4 LR4 10 km, dual rate

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