

QSFP28 100GE LR4 10 km

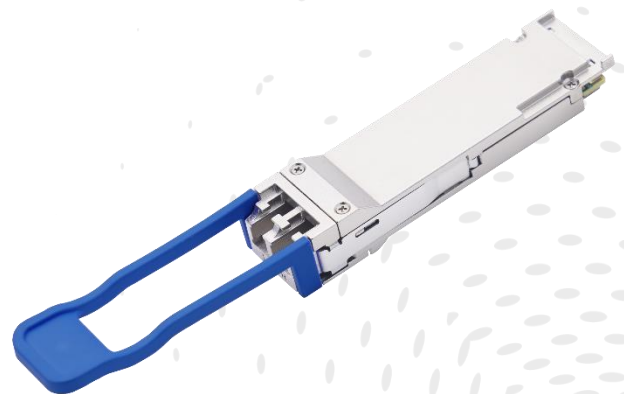
Databrief

Product Features

- QSFP28 MSA compliant
- Compliant to IEEE 802.3ba 100GBASE-LR4
- Digital diagnostic monitoring support
- Hot-pluggable 38-pin electrical interface
- 4 LAN-WDM lanes MUX/DEMUX design
- 4 x 25G electrical interface
- Transmitter: cooled LAN-WDM EML TOSA
- Receiver: PIN ROSA
- Maximum power consumption
OM9558LS120 4 W
OM9558LS121 3.5 W
- LC duplex connector
- Supports 103.125 Gbps 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

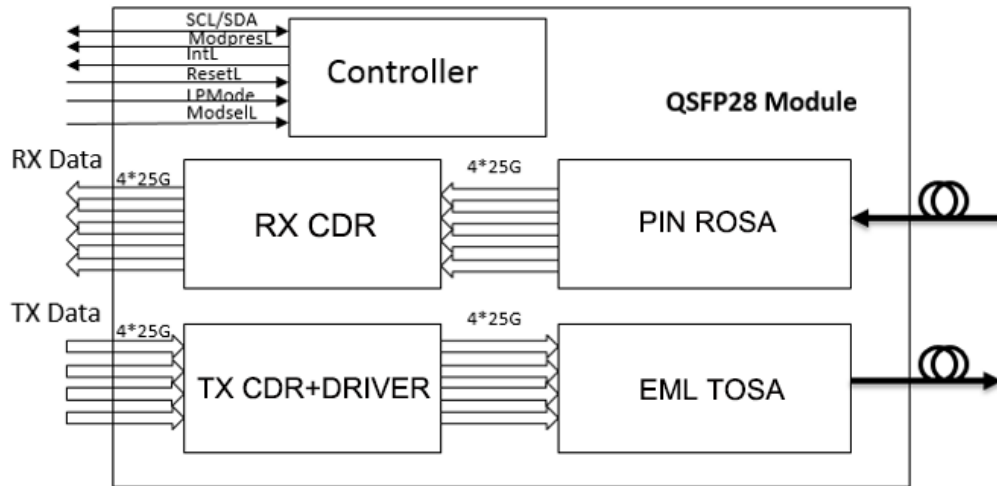
- 100GBASE-LR4 100G Ethernet
- Telecom networking
- Data center interconnect
- Enterprise networking



1. Function Description

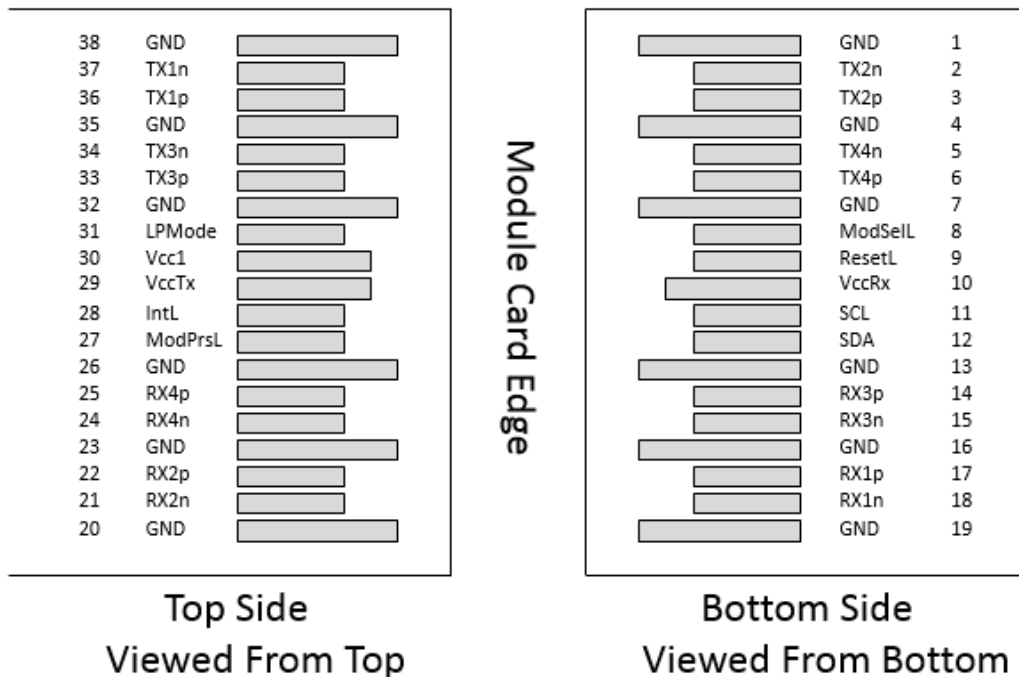
The module is designed for 10 km optical communication applications, and it is compliant to IEEE 802.3ba for 100GE Ethernet. This module contains 4-lane optical transmitter, 4-lane optical receiver and module management block including 2 wire serial interfaces. The optical signals are multiplexed to 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



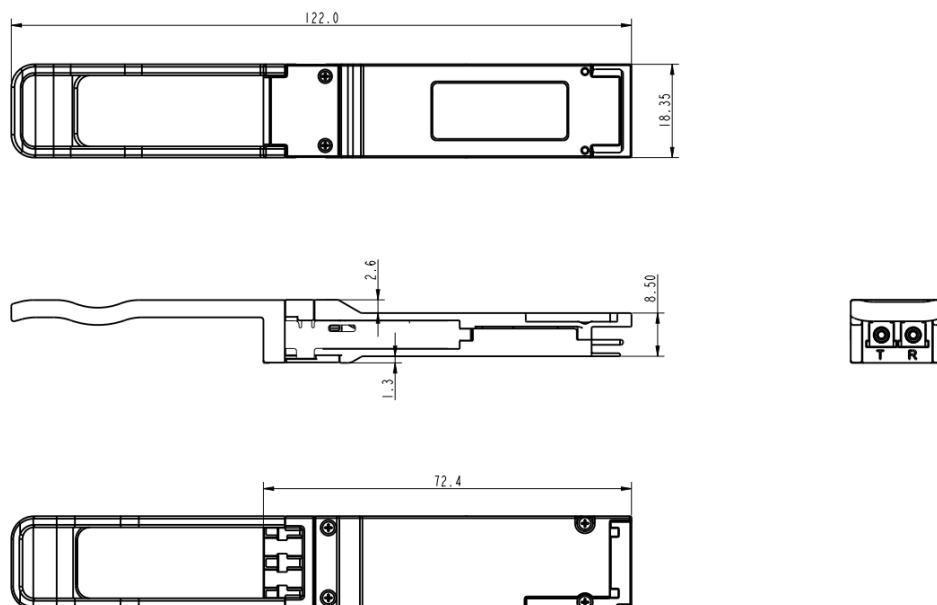
2. Pin Descriptions

Figure 2-1 MSA compliant connector



3. Mechanical Specifications

Figure 3-1 Mechanical dimensions



4. Ordering Information

Part Number	Description
OM9558LS120	QSFP28 100GE LR4 10 km
OM9558LS121	QSFP28 100GE LR4 10 km

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