

QSFP28 100GE eLR4 20 km (OM9558BS100)

# Databrief

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## Product Features

- QSFP28 MSA compliant
- Digital diagnostic monitoring support
- Hot pluggable 38 pin electrical interface
- 4 LAN-WDM lanes MUX/DEMUX design
- 4 x 25G electrical interface
- Maximum power consumption 4 W
- LC duplex connector
- Supports 103.125 Gbps bit rate
- Up to 20 km transmission on single mode fiber
- Operating case temperature: 0°C to 70°C
- Single 3.3 V power supply
- RoHS 2 compliant

## Applications

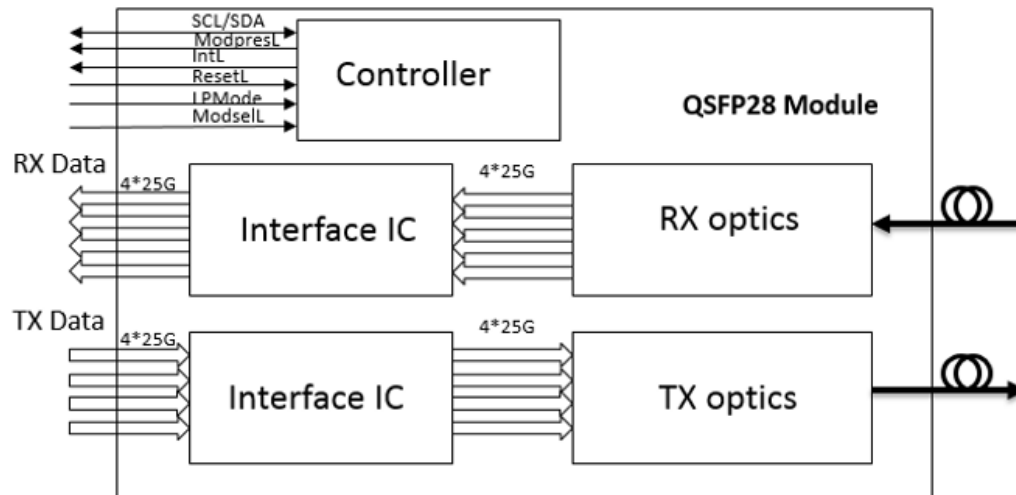
- Telecom networking
- Data center interconnect
- Enterprise networking



# 1. Function Description

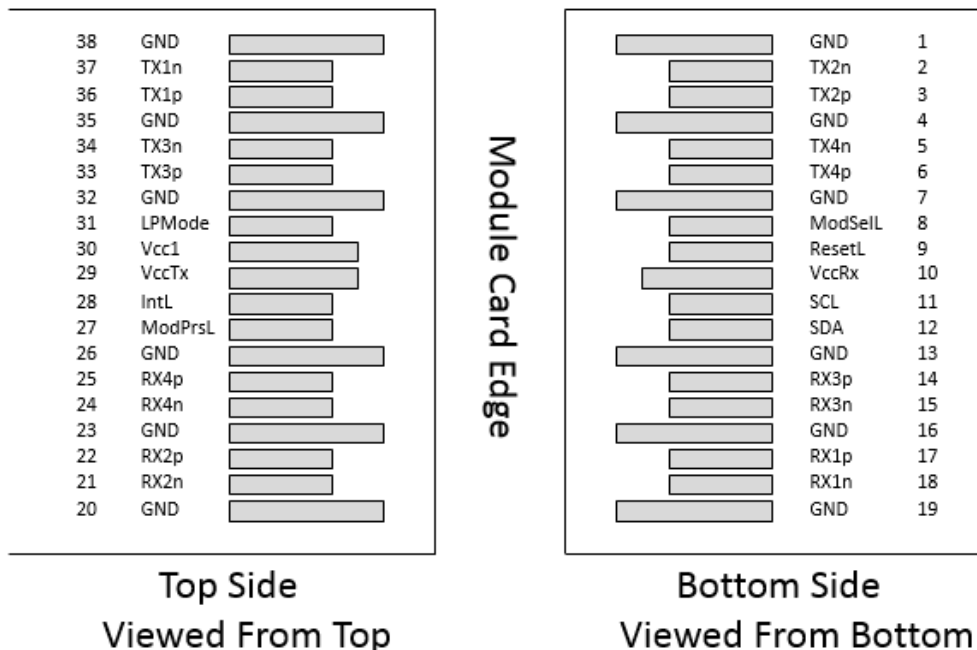
Hisilicon's OM9558BS100 module are designed for 20 km optical communication applications, and it is compliant to IEEE 802.3ba for 100GE Ethernet. This module contains 4-lane optical transmitter, 4-lane optical receiver and module management block including 2 wire serial interfaces. The optical signals 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



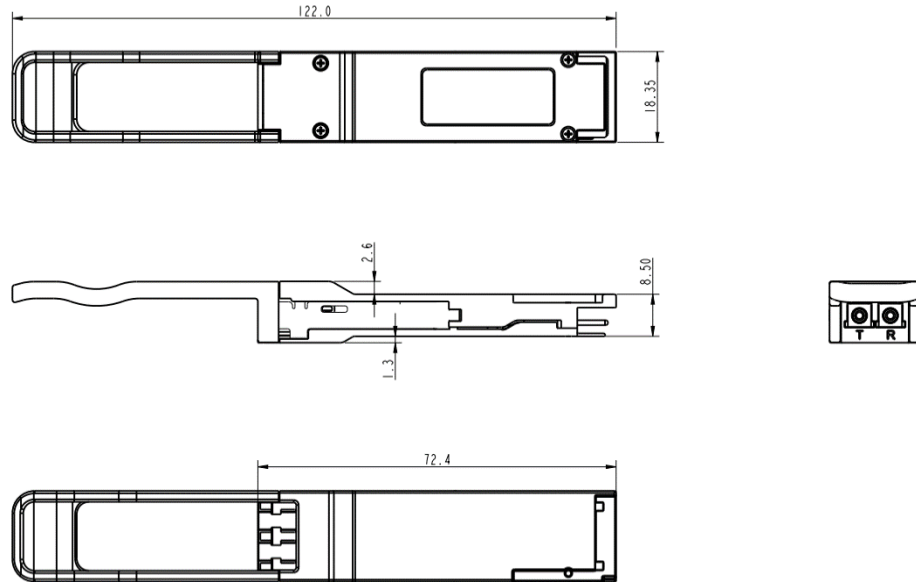
# 2. Pin Descriptions

Figure 2-1 MSA compliant connector



### 3. Mechanical Specifications

Figure 3-1 Mechanical dimensions



### 4. Ordering Information

Part Number	Description
OM9558BS100	4 x 25G QSFP28, Pull-tap, Single rate

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