

QSFP-DD 200G ER4 40 km (OM9758ES100)

# Databrief

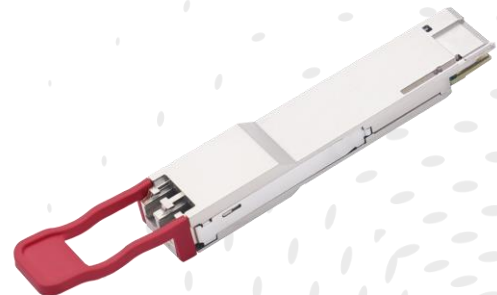
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## Product Features

- QSFP-DD MSA compliant
- Compliant to IEEE 802.3cn 200GBASE-ER4
- Digital diagnostic monitoring support
- Hot pluggable 76 pin electrical interface
- 4 LAN-WDM lanes MUX/DEMUX design
- 53.125 Gbps PAM4 Channel Electrical Serial Interface (200GAUI-4)
- 26.5625 Gbps NRZ Channel Electrical Serial Interface (200GAUI-8)
- Maximum power consumption 10.8 W
- LC duplex connector
- Supports 212.5 Gbps bit rate
- Up to 40 km transmission on single mode fiber
- Operating case temperature: 0°C to 70°C
- Single 3.3 V power supply
- RoHS 2 compliant

## Applications

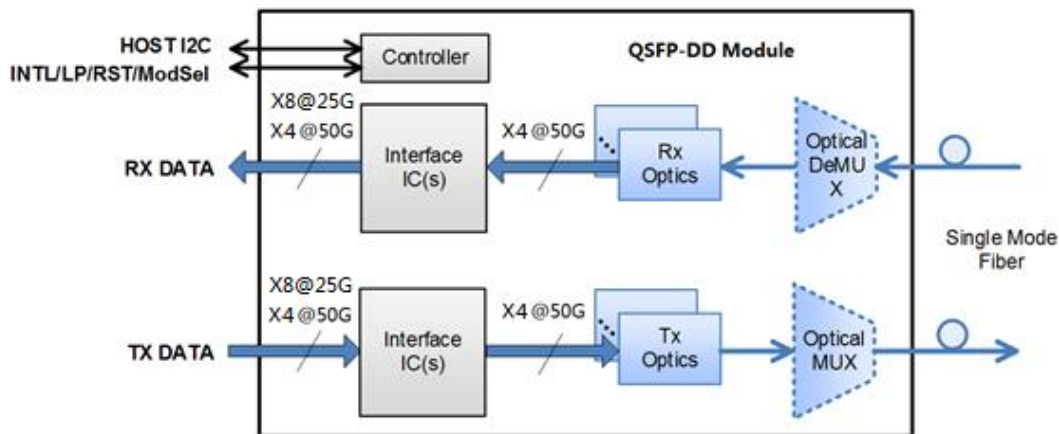
- 200GBASE-ER4 Ethernet
- Telecom networking
- Data Center Interconnect



## 1. Function Description

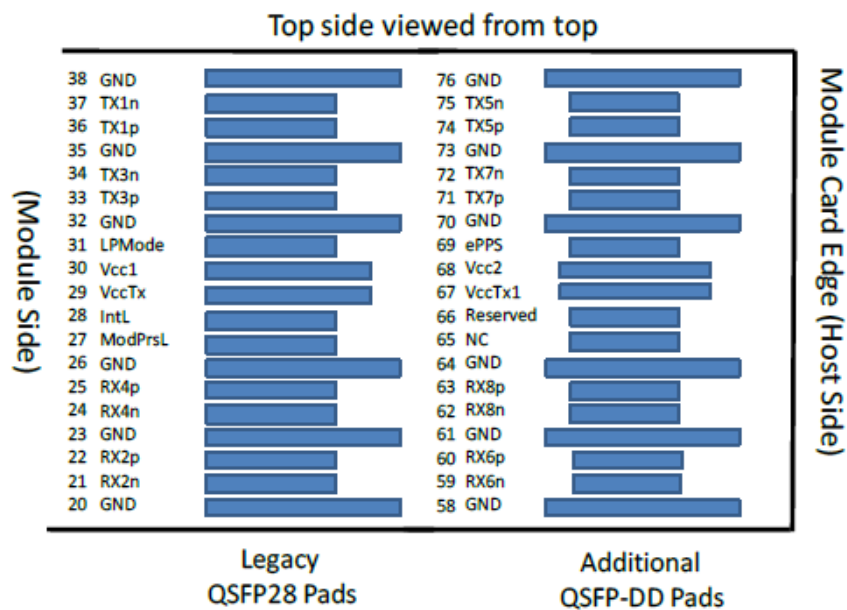
Hisilicon's OM9758ES100 module are designed for 40 km optical communication applications, and it is compliant to IEEE 802.3cn for 200GE Ethernet. This module contains 4-lane optical transmitter, 4-lane optical receiver and module management block including 2 wire serial interfaces. The optical signals are multiplexed to a single-mode fiber through an industry standard LC connector. A block diagram is shown in Figure 1-1.

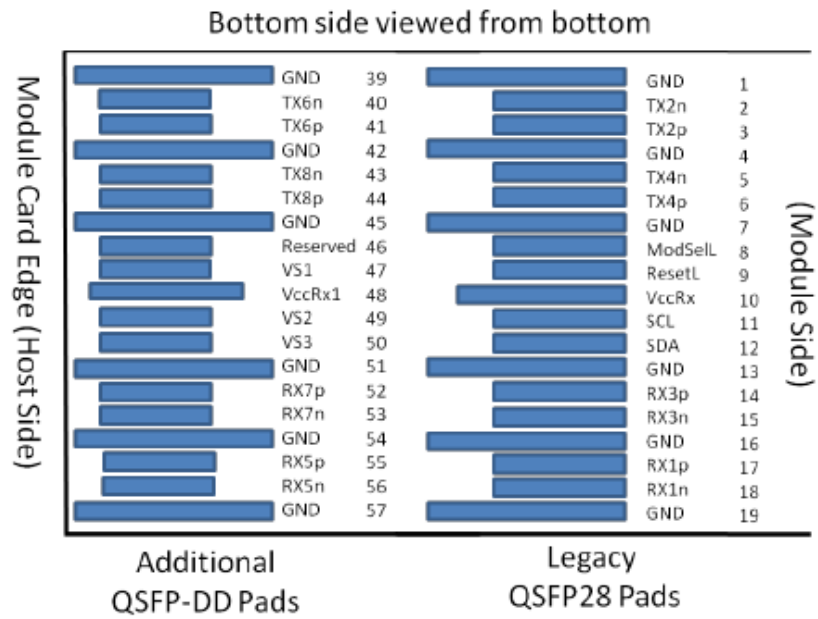
Figure 1-1 Transceiver block diagram



## 2. Pin Descriptions

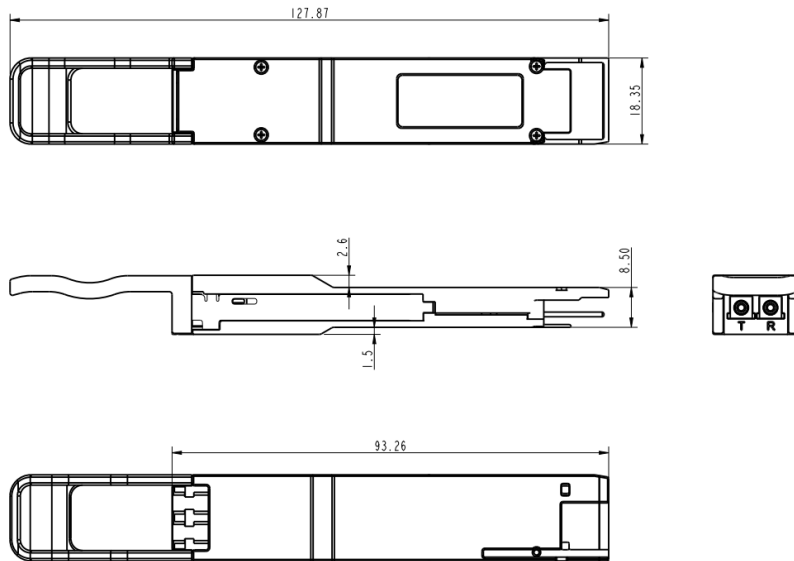
Figure 2-1 MSA compliant connector





### 3. Mechanical Specifications

Figure 3-1 Mechanical dimensions




### 4. Ordering Information

Part Number	Description
OM9758ES100	200GBASE-ER4 QSFP-DD, Pull-tap, Single rate

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