

QSFP-DD 200G LR4 10 km (OM9758LS100)

Databrief

Product Features

- QSFP-DD MSA compliant
- Compliant to IEEE 802.3cn 200GBASE-LR4
- 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 10 km transmission on single mode fiber
- Operating case temperature: 0°C to 70°C
- Single 3.3 V power supply
- RoHS 2 compliant

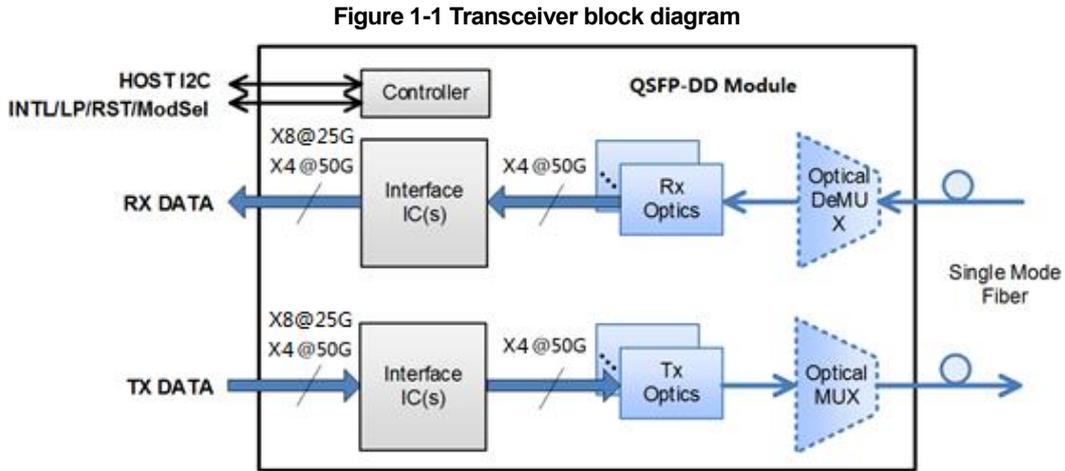
Applications

- 200GBASE-LR4 Ethernet
- Telecom networking
- Data Center Interconnect



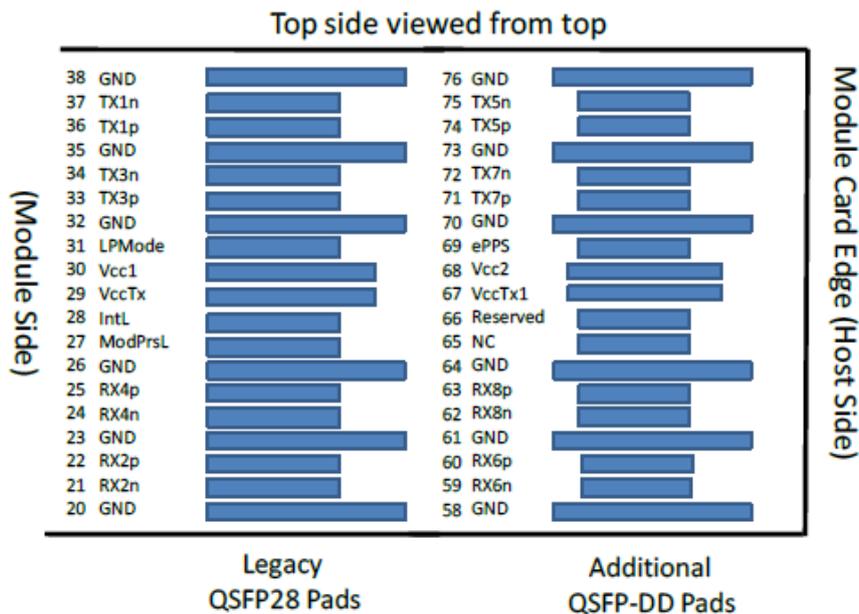
1. Function Description

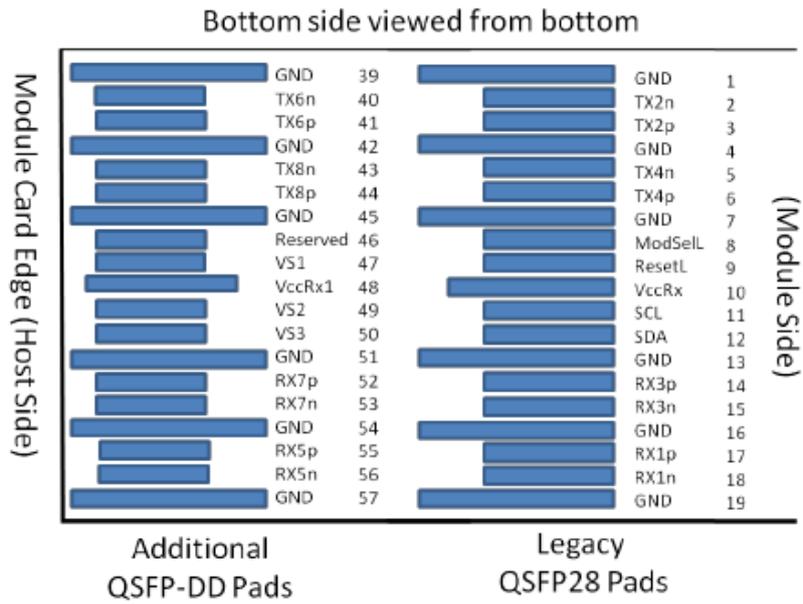
Hisilicon's OM9758LS100 module is designed for 10 km optical communication applications, and it is compliant to IEEE 802.3cn for 200GE Ethernet. This module contains 4-lane optical transmitter, 4-lane optical receiver and module management block including 2 wire serial interfaces. The optical signals are multiplexed to a single-mode fiber through an industry standard LC connector. A block diagram is shown in Figure 1-1.



2. Pin Descriptions

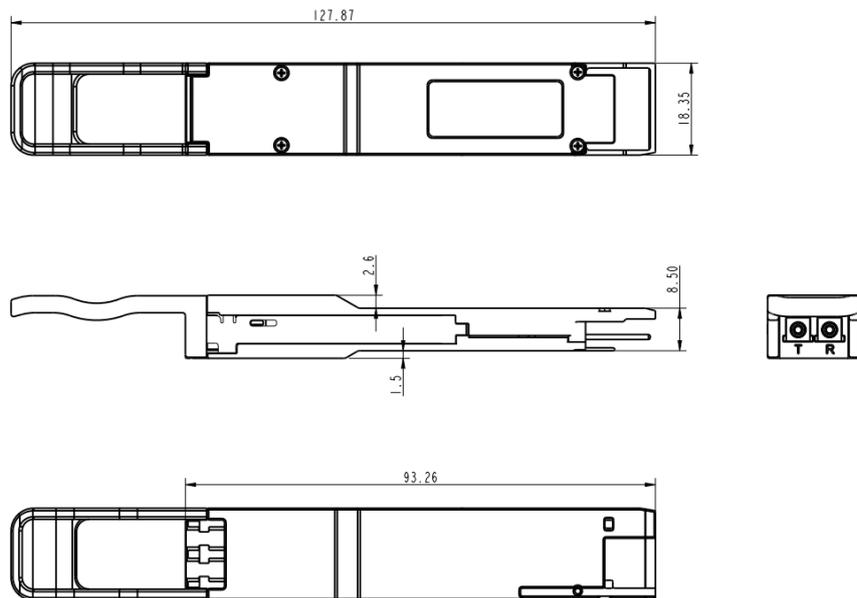
Figure 2-1 MSA compliant connector





3. Mechanical Specifications

Figure 3-1 Mechanical dimensions



4. Ordering Information

Part Number	Description
OM9758LS100	200GBASE-LR4 QSFP-DD, Pull-tap, Single rate

Copyright © HiSilicon Optoelectronics Co., Ltd. 2022. All rights reserved.

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of HiSilicon Optoelectronics Co., Ltd.

Trademarks and Permissions



is a trademark of HiSilicon Optoelectronics Co., Ltd.

All other trademarks and trade names mentioned in this document are the property of their respective holders.

Notice

The purchased products, services and features are stipulated by the contract made between HiSilicon Optoelectronics Co., Ltd. and the customer. All or part of the products, services and features described in this document may not be within the purchase scope or the usage scope. Unless otherwise specified in the contract, all statements, information, and recommendations in this document are provided "AS IS" without warranties, guarantees or representations of any kind, either express or implied.

The information in this document is subject to change without notice. Every effort has been made in the preparation of this document to ensure accuracy of the contents, but all statements, information, and recommendations in this document do not constitute a warranty of any kind, express or implied.