

QSFP28 50GE ZR2 80 km (OM9380ZS100)

Databrief

Product Features

- QSFP28 MSA compliant
- Hot pluggable 38 pin electrical interface
- 2 LAN-WDM lanes MUX/DEMUX design
- 2 x 25G electrical interface
- Maximum power consumption 5 W
- LC duplex connector
- Supports 51.5625 Gbps aggregate bit rate
- Up to 80 km transmission on single mode fiber with KR4 FEC
- Operating case temperature: 0°C to 70°C
- Single 3.3 V power supply
- RoHS 2 compliant

Applications

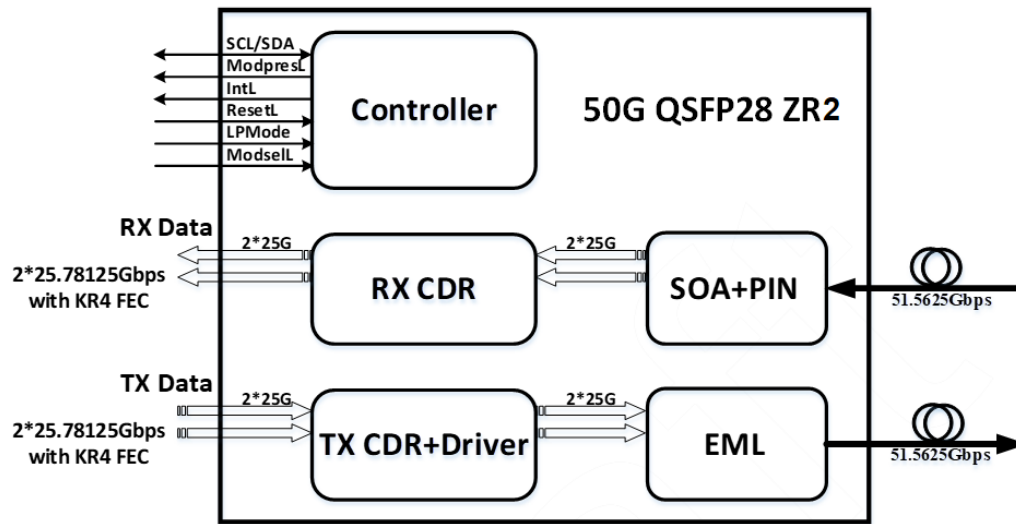
- 50GBASE-ZR2 Ethernet
- Telecom networking



1. Function Description

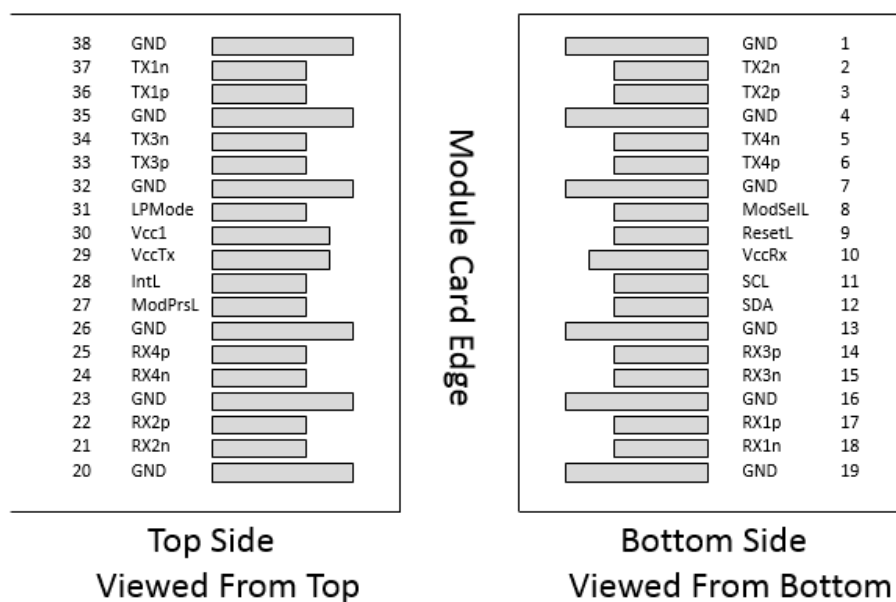
Hisilicon's OM9380ZS100 is designed for 80 km optical communication applications. This module contains 2-lane optical transmitter, 2-lane optical receiver and module management block including 2 wire serial interfaces. The optical signals are multiplexed to a single-mode fiber through an industry standard LC connector. A block diagram is shown in Figure 1-1.

Figure 1-1 Transceiver block diagram



2. Pin Descriptions

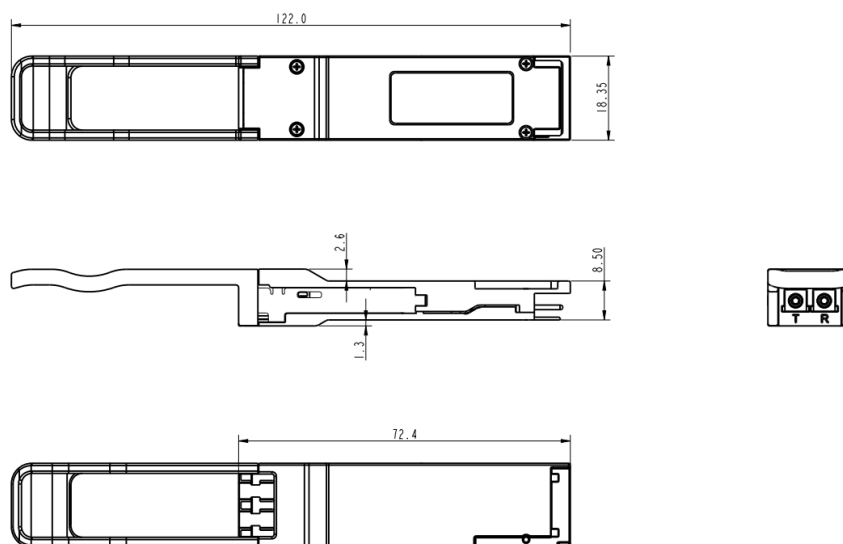
Figure 2-1 MSA compliant connector



3. Mechanical Specifications

Hisilicon's OM9380ZS100 50G ZR2 QSFP28 transceivers are compatible with the QSFP28 Specification for pluggable form factor modules.

Figure 3-1 Mechanical dimensions



4. Ordering Information

Part Number	Description
OM9380ZS100	QSFP28 50GE ZR2 80 km

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