

QSFP+ 40GE LR4 10 km (OM3358LX100)

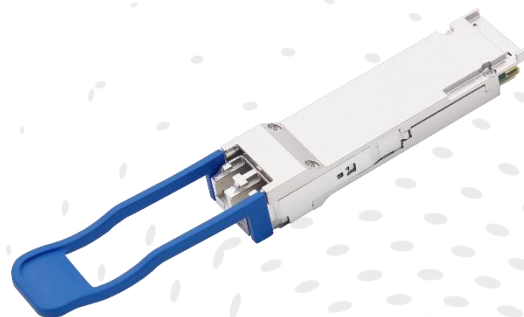
Databrief

Product Features

- QSFP+ MSA compliant
- IEEE 802.3-2018 compliant
- 4 CWDM lanes MUX/DEMUX design
- 4 x 10G electrical interface (XLPP1)
- Maximum power consumption 3.5 W
- LC duplex connector
- 41.25 Gbps aggregate bit rate
- Up to 10 km transmission on single mode fiber without FEC
- Operating case temperature: 0 to 70°C
- Single 3.3 V power supply
- I2C digital management interface
- RoHS 2 compliant

Applications

- 40GE Ethernet
- Data Center Interconnect
- Enterprise networking

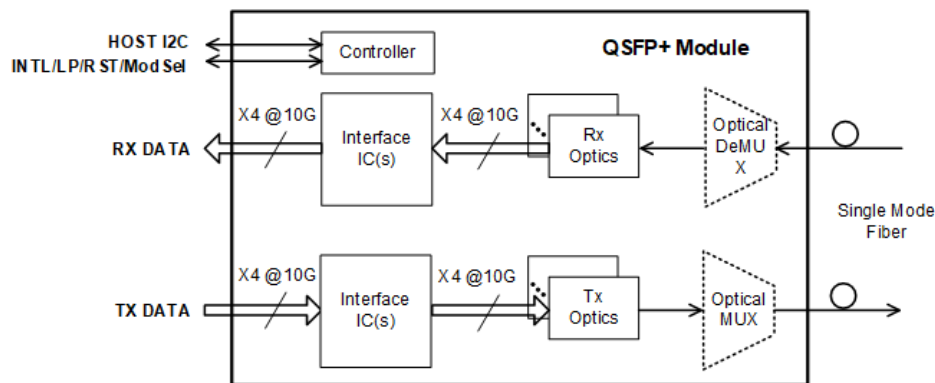


1. Description

HiSilicon's OM3358LX100 is a QSFP+ transceiver module designed for 10 km optical communication applications with single mode fiber. It is compliant with IEEE 802.3-2018 40GBASE-LR4, IEEE 802.3-2018 Annex 86A, QSFP+ MSA standards. Digital diagnostic management interface (DDMI) is realized by I2C interface in compliance with SFF-8636. The module is RoHS 2 compliant.

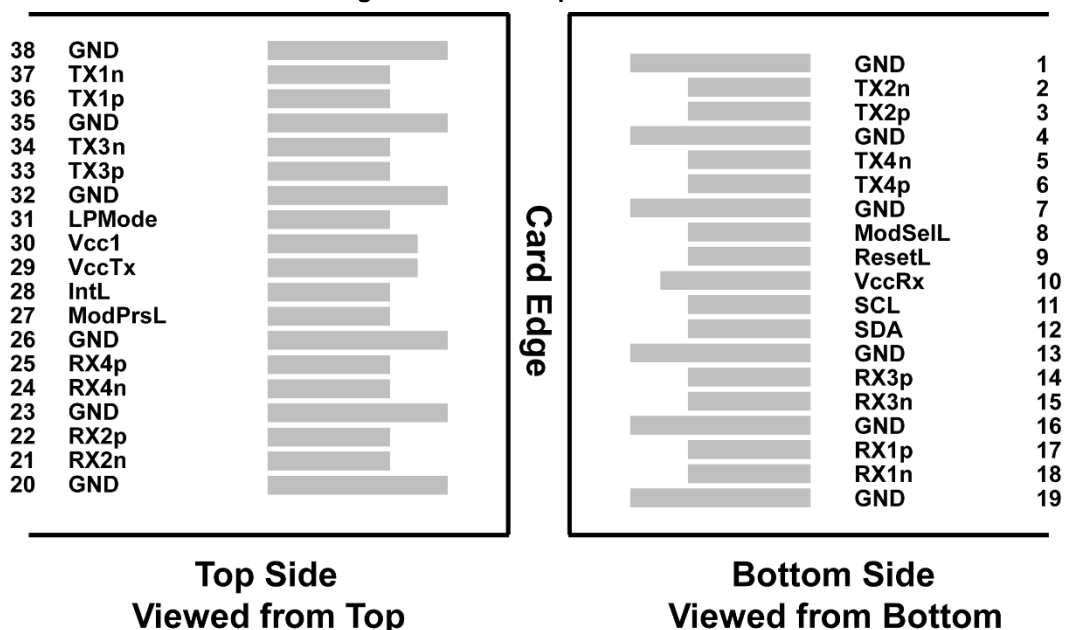
This module can convert 4-channel 10 Gbps electrical data to 4-channel optical signals, and multiplex them into a single channel for 40 Gbps optical transmission. Similarly, it optically de-multiplexes a 40 Gbps input into 4-channel signals, and converts them to 4-channel output electrical data on the receiver side. It has been designed to meet the harshest external operating conditions including temperature, humidity and EMI interference.

Figure 1-1 Transceiver block diagram



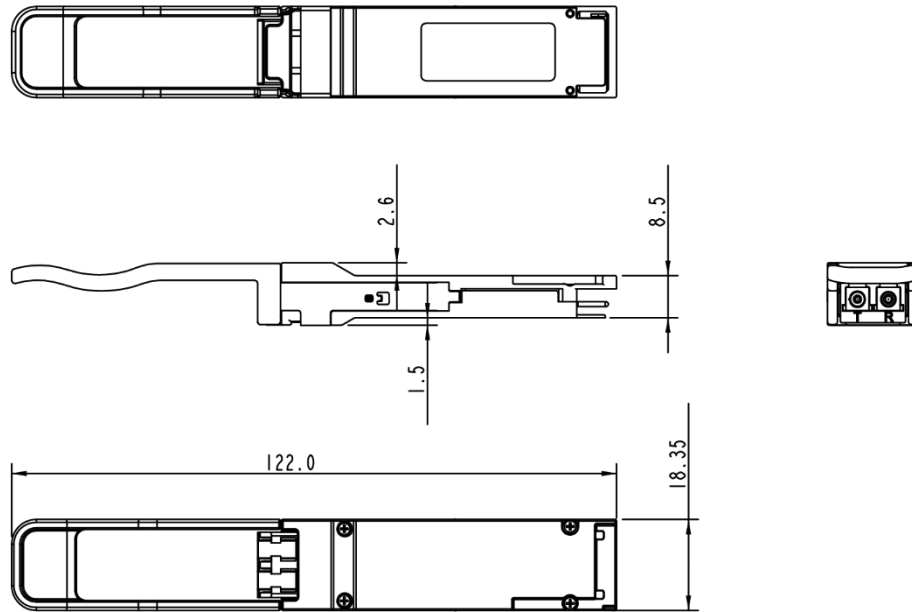
2. Pin Descriptions

Figure 2-1 MSA-compliant connector



3. Mechanical Specifications

Figure 3-1 Mechanical dimensions



4. Ordering Information

Part number	Description
OM3358LX100	QSFP+ 40GE LR4 10 km

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