

QSFP28 100GE BiDi (OM3558SX101)

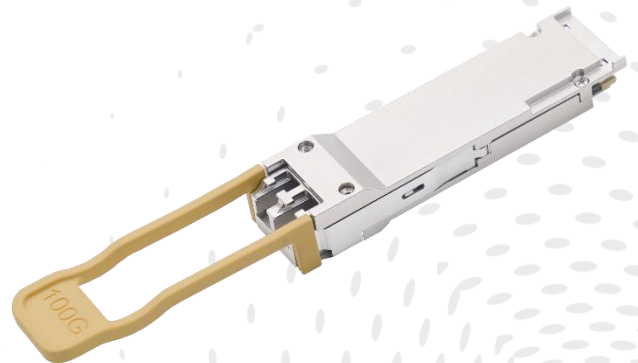
Databrief

Product Features

- QSFP28 MSA compliant
- IEEE 802.3 bm-2015 compliant
- 2 BiDi lanes MUX/DEMUX design
- 4 x 25.78125G electrical interface (CAUI-4)
- Maximum power consumption 4 W
- LC duplex connector
- 103.125 Gbps aggregate bit rate
- Up to 70 m/100 m transmission on OM3/OM4 fiber with FEC
- Operating case temperature: 0 to 70°C
- Single 3.3 V power supply
- I2C digital management interface
- RoHS 2 compliant

Applications

- 100GE Ethernet
- Data Center Interconnect
- Enterprise Networking

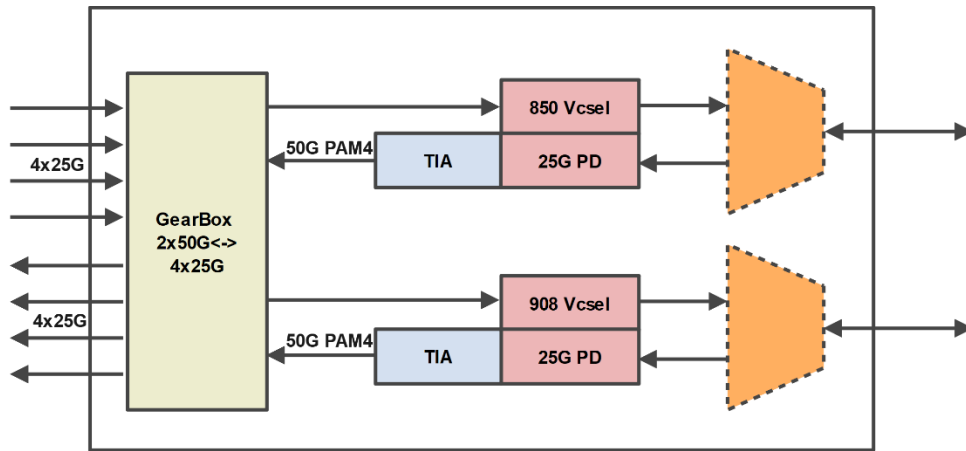


1. Description

OM3558SX101 is a QSFP28 transceiver module designed for 70/100m OM3/OM4 MM fiber optical communication applications. It is compliant with IEEE 802.3 bm-2015, QSFP28 MSA standards. Digital diagnostic management interface (DDMI) is realized by I2C interface in compliance with SFF-8636. The module is RoHS 2 compliant.

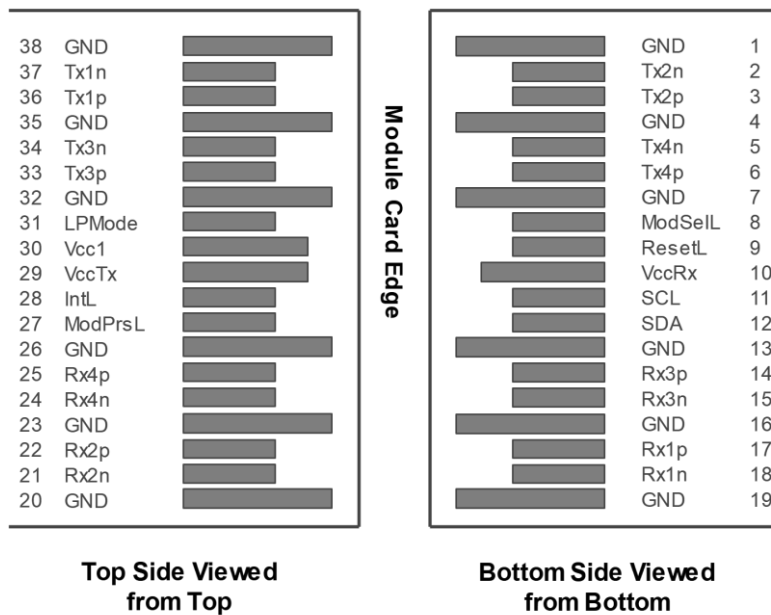
This module can convert 4-channel 25.78125 Gbps electrical data to 2-channel optical signals, and multiplex each into a BiDi (Bidirectional) 53.125 Gbps optical transmission. Similarly, it optically de-multiplexes from Bidi 53.125 Gbps optical signals, and converts them to 4-channel output electrical 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



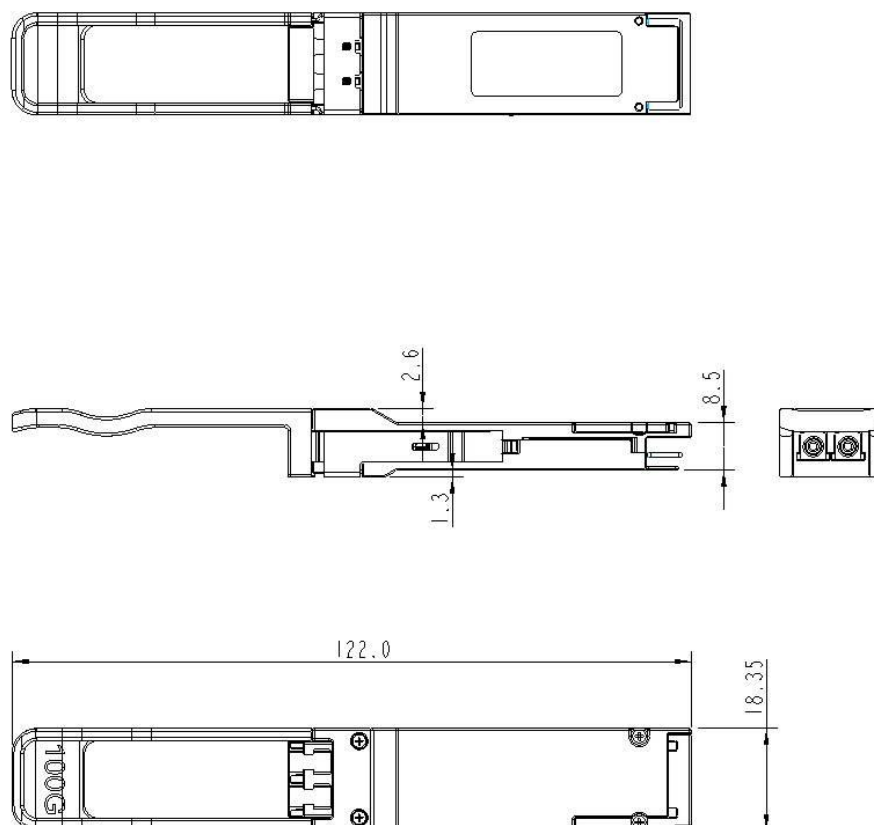
2. Pin Descriptions

Figure 2-1 MSA compliant connector



3. Mechanical Specifications

Figure 3-1 Mechanical dimensions



4. Ordering Information

Part number	Description
OM3558SX101	QSFP28 100G BiDi

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