

SFP28 25G LR BiDi 10 km

# Databrief

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## Product Features

- SFP28 MSA compliant
- Compliant to IEEE 802.3cc 25GBASE-LR
- Hot pluggable 20-pin electrical interface
- 1270 nm/1330 nm DFB transmitter
- 25G electrical interface (OIF CEI-28G-VSR)
- Maximum power consumption 1.2 W
- Up to 25.78 Gbps data links
- Up to 10 km transmission on single mode fiber
- Operating case temperature: -40°C to +85°C
- Single 3.3 V power supply
- RoHS 2 compliant

## Applications

- CPRI/eCPRI
- 10G/25G Ethernet switches and routers



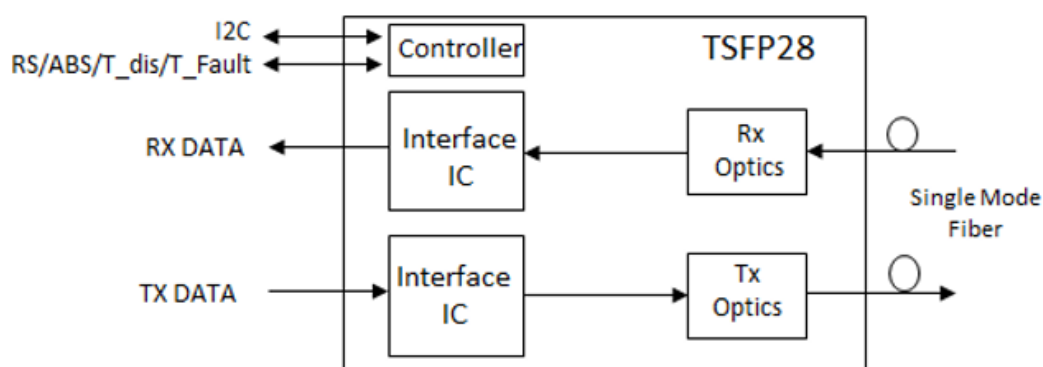
# 1. Descriptions

OM6363LX103 & OM6363LX104 is a very compact 25 Gbps optical transceiver module for serial optical communication applications at 25 Gbps. It converts a 25 Gbps serial electrical data stream to 25 Gbps optical output signal and a 25 Gbps optical input signal to 25 Gbps serial electrical data streams. The high speed 25 Gbps electrical interface is fully compliant with SFI specification of SFF 8431.

OM6363LX103 & OM6363LX104 is designed for CPRI (24.33 Gbps) and Ethernet LAN (25.78 Gbps) applications. The high performance 1270 nm/1330 nm DFB-LD transmitter and high sensitivity PIN receiver provide superior performance for Ethernet applications at up to 10 km links.

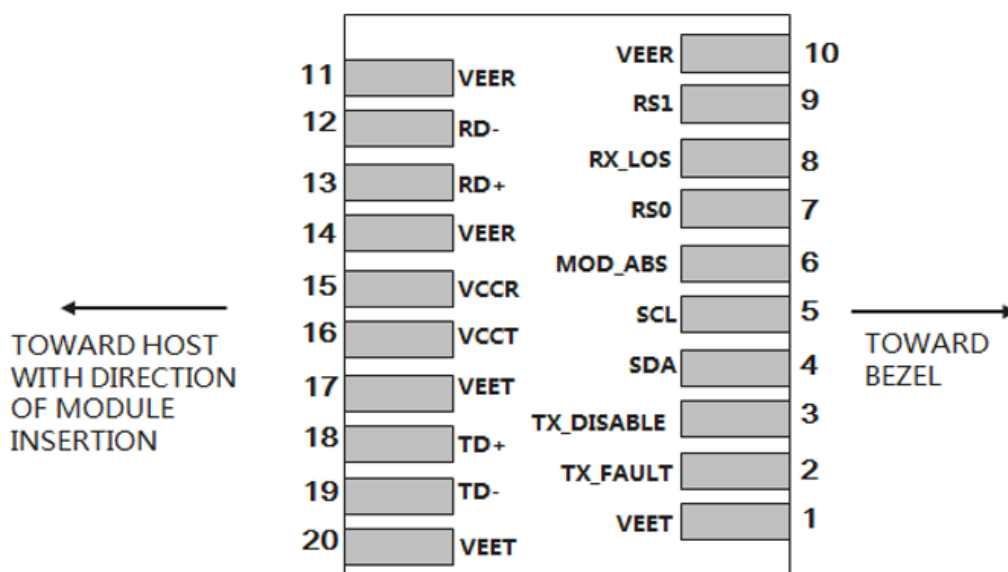
The fully SFP compliant form factor provides hot pluggability, easy optical port upgrades and low EMI emission.

Figure 1-1 Transceiver block diagram



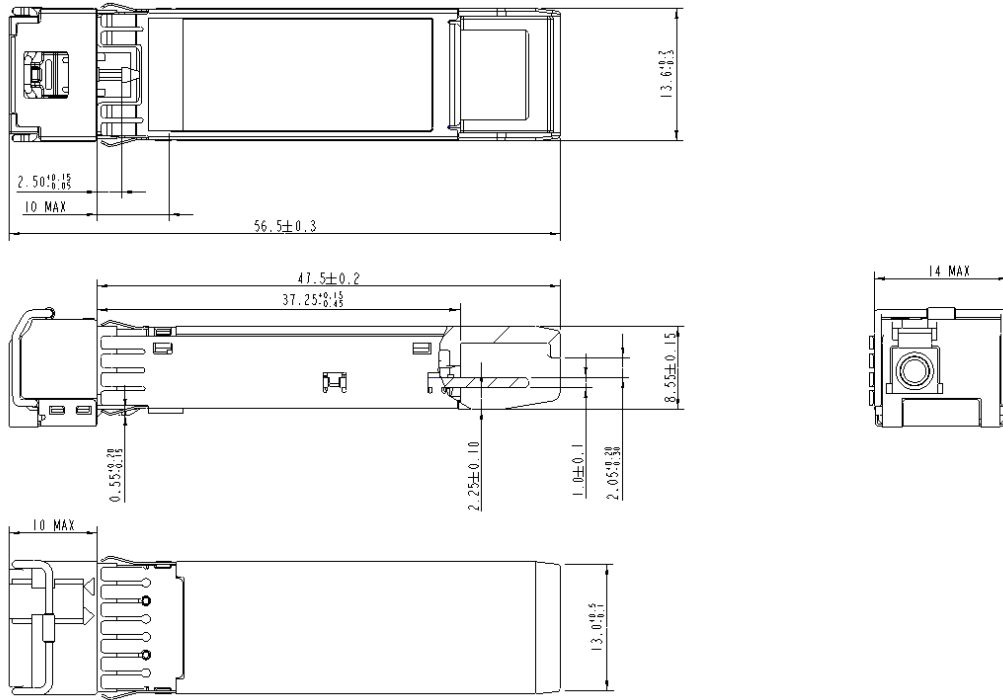
# 2. Pin Descriptions

Figure 2-1 MSA compliant connector



### 3. Mechanical Specifications

Figure 3-1 Mechanical dimensions



### 4. Ordering Information

| Part Number | Description                                       |
|-------------|---|
| OM6363LX103 | SFP28-25G-1270 nm (Tx)/1330 nm (Rx)-10 km BIDI-SM |
| OM6363LX104 | SFP28-25G-1330 nm (Tx)/1270 nm (Rx)-10 km BIDI-SM |

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