

SFP28 25G LR 10 km (OM6363LX102)

Databrief

Product Features

- SFP28 MSA compliant
- Compliant to IEEE 802.3cc 25GBASE-LR
- Hot pluggable 20-pin electrical interface
- 25G electrical interface (OIF CEI-28G-VSR)
- Maximum power consumption 1 W
- Up to 25.78 Gbps data links
- Up to 10 km transmission on single mode fiber
- Operating case temperature: -40°C to $+85^{\circ}\text{C}$
- Single 3.3 V power supply
- RoHS 2 compliant

Applications

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



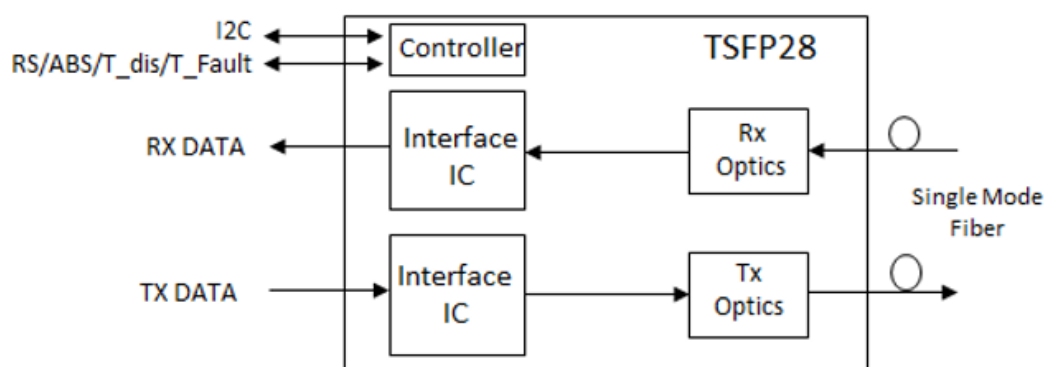
1. Function Description

OM6363LX102 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.

OM6363LX102 is designed for CPRI (24.33 Gbps) and Ethernet LAN (25.78 Gbps) applications. The high performance 1310 nm DFB-LD transmitter and high sensitivity PIN receiver provide superior performance for Ethernet applications at up to 10 km links.

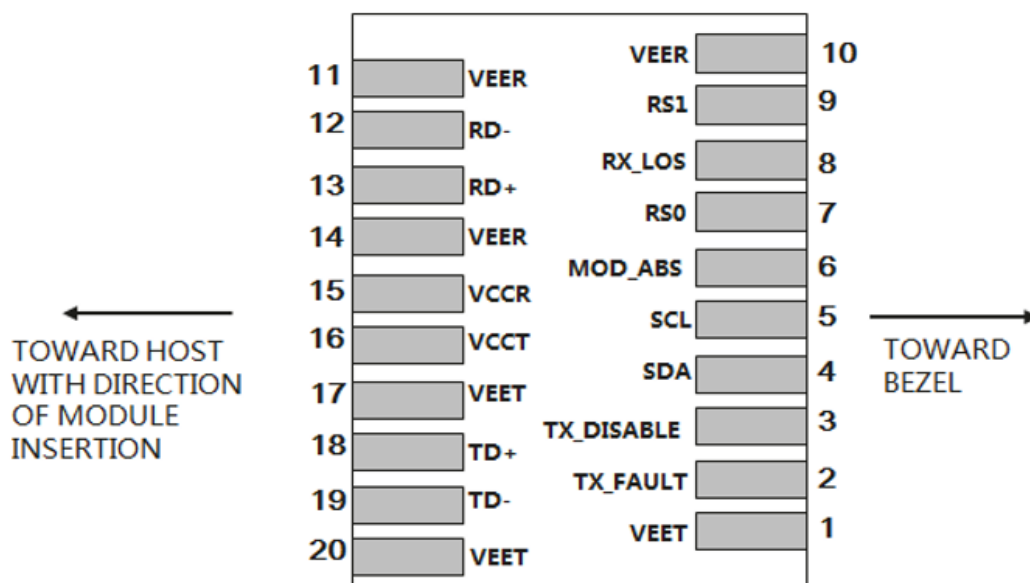
The fully SFP compliant form factor provides hot pluggability, easy optical port upgrades and low EMI emission.

Figure 1-1 Transceiver block diagram



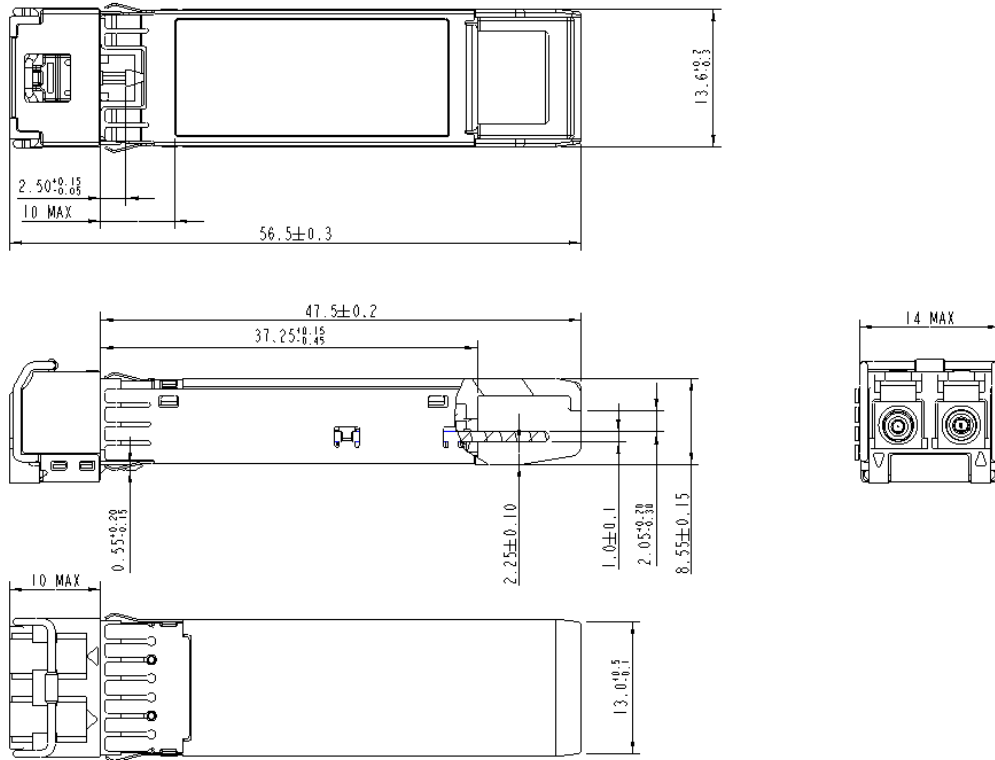
2. Pin Descriptions

Figure 2-1 MSA compliant connector



3. Mechanical Specifications

Figure 3-1 Mechanical dimensions



4. Ordering Information

Part Number	Description
OM6363LX102	SFP28-25G-1310 nm-10 km-SM

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.