

SFP+ 9953M(Tx)9953M&2488M(Rx) XGS-PON OLT N1 20 km
(OM5270SX400)

Databrief

Product Features

- Single-fiber bi-directional transmission
- SFP+ package
- 2 x 11 SFP+ electrical interface, support 20 PIN or 22 PIN system
- Hot-pluggable
- Typical power consumption 1.8 W
- SC receptacle optical connector
- Operating case temperature: 0°C to 70°C
- 3.3 V power supply
- ODN Class N1
- RoHS 2 compliant
- ITU-T G. 987.2 compliant
- ITU-T G. 9807.1 compliant

Applications

- Gigabits Access Networks
- FTTH
- FTTC
- FTTB
- XGS-PON Access Networks

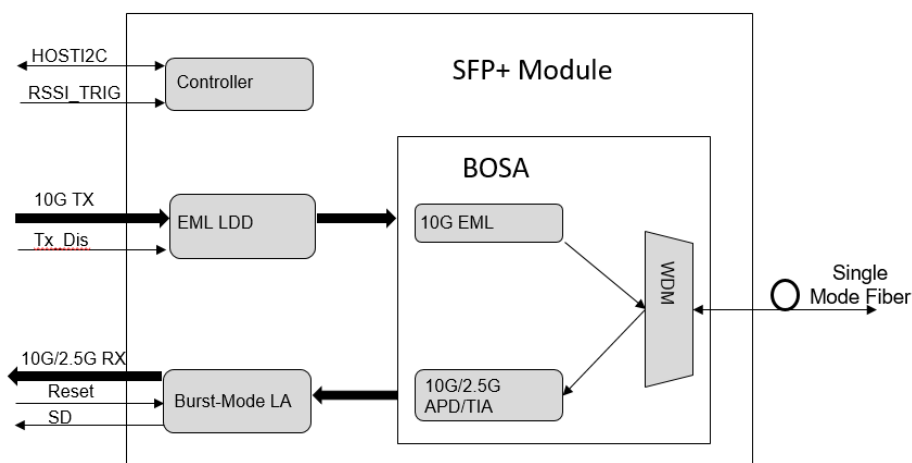


1. Function Description

OM5270SX400 is an XGS-PON OLT in an SFP+ housing that meet ITU-T G. 9807.1 standard. XGS-PON feature supports 9.953 Gbps continuous-mode transmission by 1577 nm EML laser and 9.953 Gbps/2.488 Gbps burst-mode reception by 1270 nm APD/TIA.

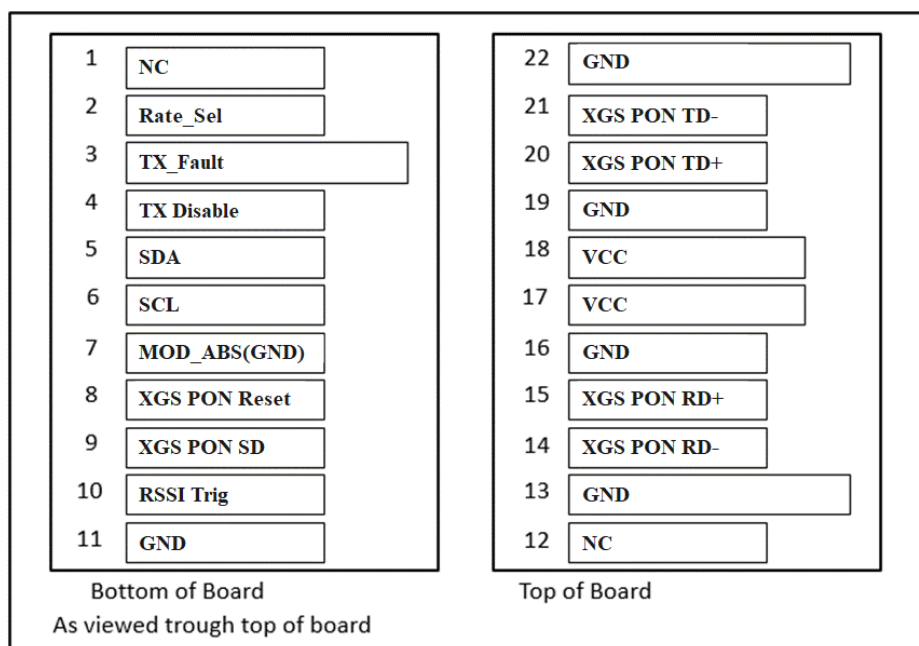
It has been designed to meet the harshest external operating conditions that include temperature, humidity and EMI interference. The module offers very high functionality and feature integration, accessible via a two-wire serial interface. A block diagram is shown in Figure 1-1.

Figure 1-1 Transceiver block diagram



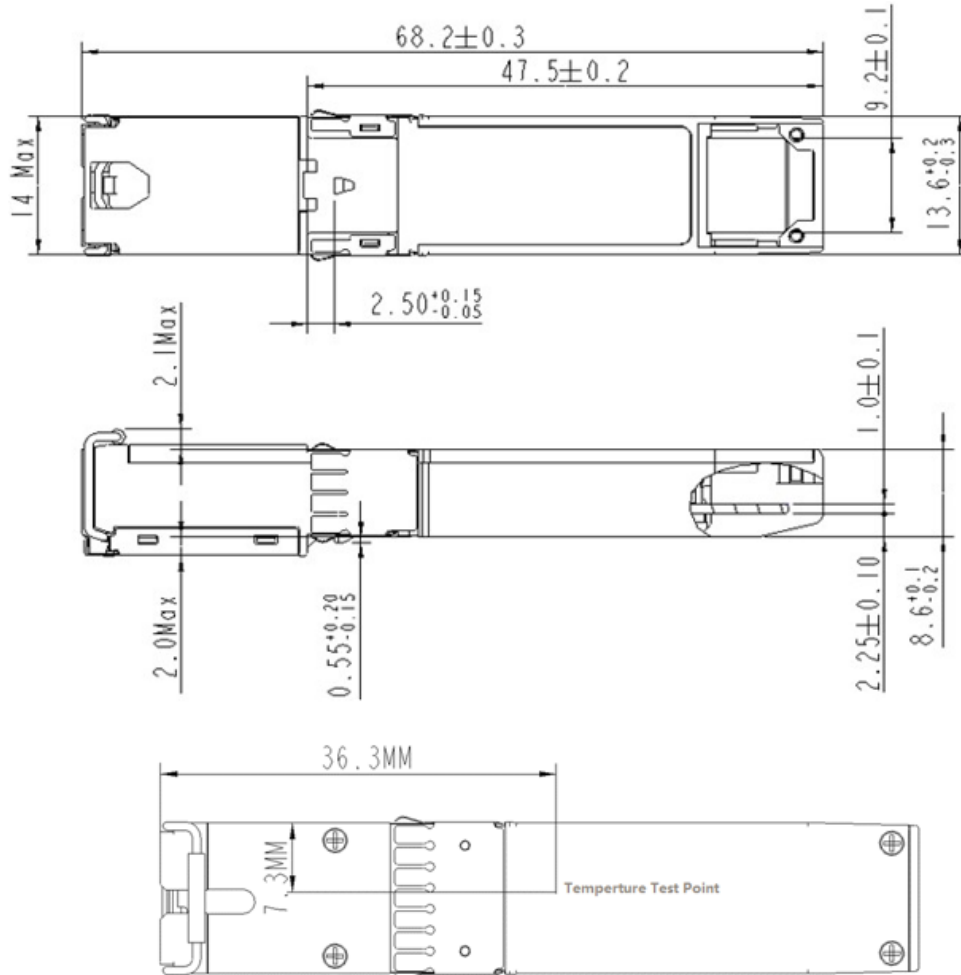
2. Pin Description

Figure 2-1 MSA compliant connector



3. Mechanical Specifications

Figure 3-1 OM5270SX400 mechanical dimensions



4. Ordering Information

Part Number	Description
OM5270SX400	SFP+, 9.953G(Down)/9.953G/2.488(Up), XGS-PON OLT N1, 20 km

Copyright © HiSilicon Optoelectronics Co., Ltd. 2023. 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.