

SFP+ 9953M(Tx)9953M&2488M(Rx) XGS-PON OLT N2 E 20 km
(OM5271SX500)

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: -25°C to $+85^{\circ}\text{C}$
- 3.3 V power supply
- ODN Class N2
- RoHS 2 compliant
- ITU-T G. 987.2 compliant
- ITU-T G. 9807.1 compliant

Applications

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

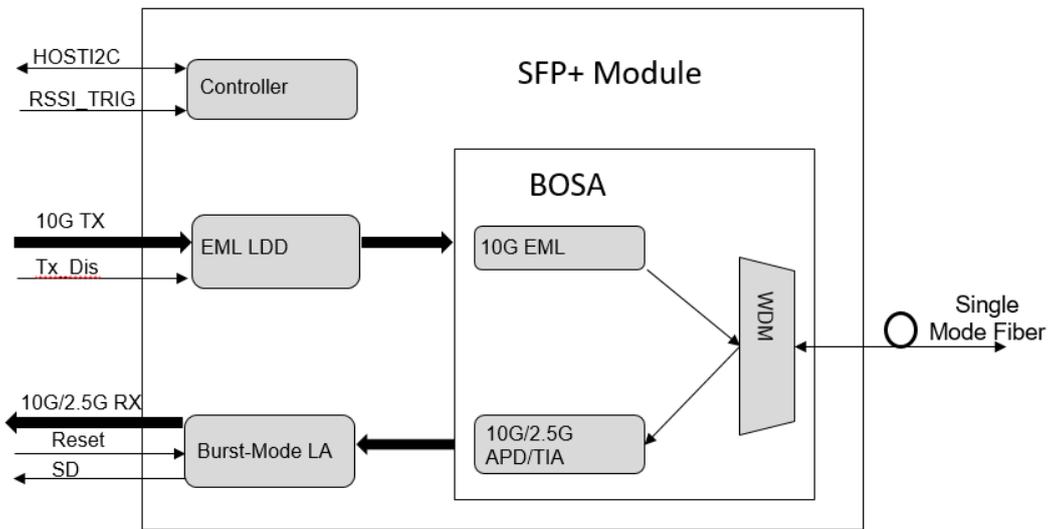


1. Function Description

OM5271SX500 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.

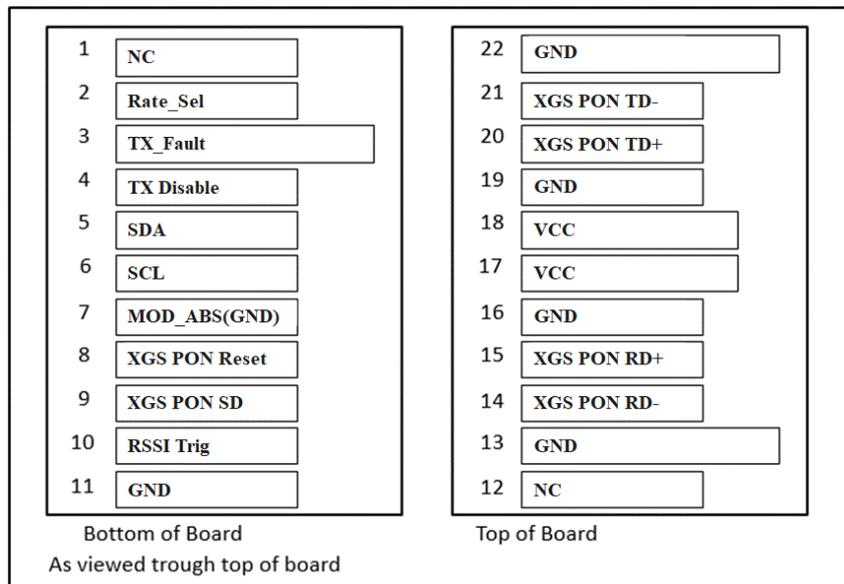
It has been designed to meet the harshest external operating conditions that include temperature, humidity and EMI interference. The module offers very high functionality and feature integration, accessible via a two-wire serial interface. A block diagram is shown in Figure 1-1.

Figure 1-1 Transceiver block diagram



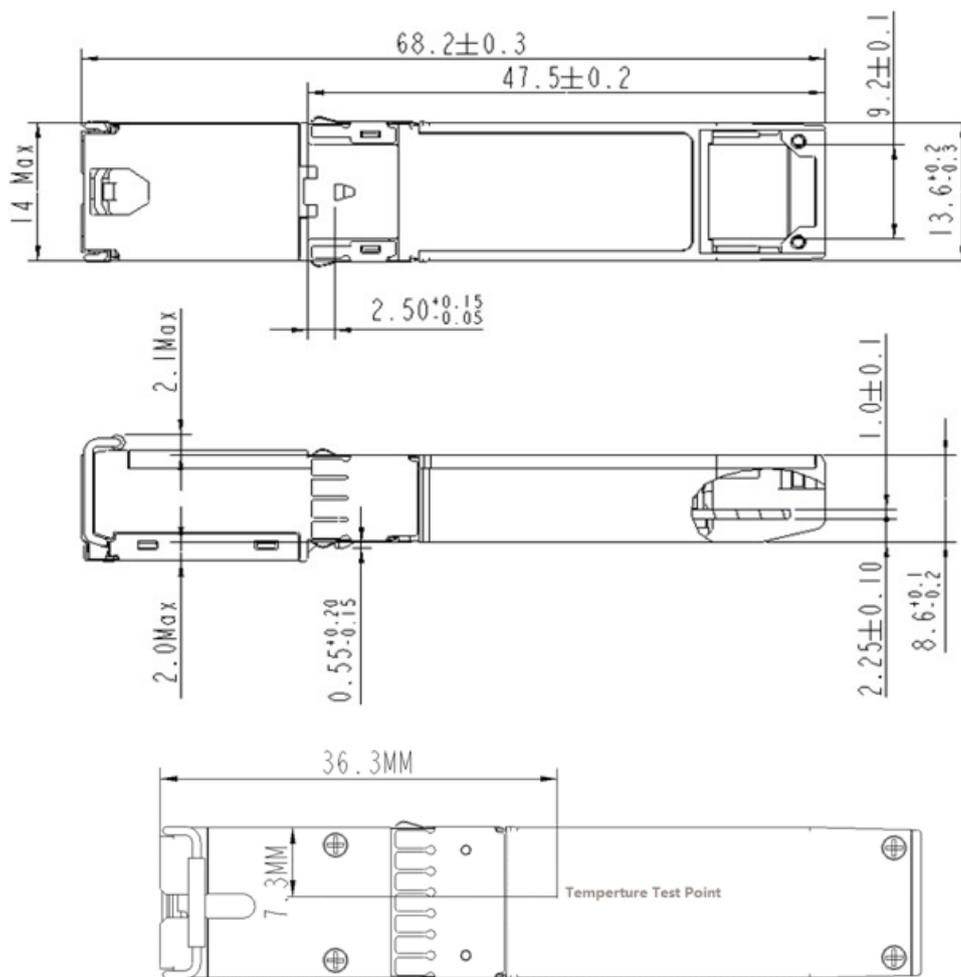
2. Pin Description

Figure 2-1 MSA compliant connector



3. Mechanical Specifications

Figure 3-1 OM5271SX500 mechanical dimensions



4. Ordering Information

Part Number	Description
OM5271SX500	SFP+, 9.953G(Down)/9.953G/2.488(Up), XGS-PON OLT N2 E, 20 km

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