

Product Specification

80km 100GBASE-ZR4 QSFP28 Optical Transceiver Module

ND-XXX-QSFP28-ZR4-100G-LP

PRODUCT FEATURES

- QSFP28 MSA compliant
- Hot pluggable 38 pin electrical interface
- 4 LAN-WDM lanes MUX/DEMUX design
- 4x25G electrical interface
- Maximum power consumption 5.5W
- LC duplex connector
- Supports 103.125Gb/s aggregate bit rate
- Up to 80km transmission on single mode fiber
- Operating case temperature: 0°C to 70°C
- Single 3.3V power supply
- RoHS 2.0 compliant



APPLICATIONS

- 100GBASE-ZR4 100G Ethernet
- Telecom networking

DESCRIPTIONS

ND's ND-XXX-QSFP28-ZR4-100G-LP is designed for 80km optical communication applications. This module contains 4-lane optical transmitter, 4-lane optical receiver and module management block including 2 wire serial inter-face. The optical signals are multiplexed to a single-mode fiber through an industry standard LC connector. A block diagram is shown in Figure 1.

Transceiver Block Diagrams

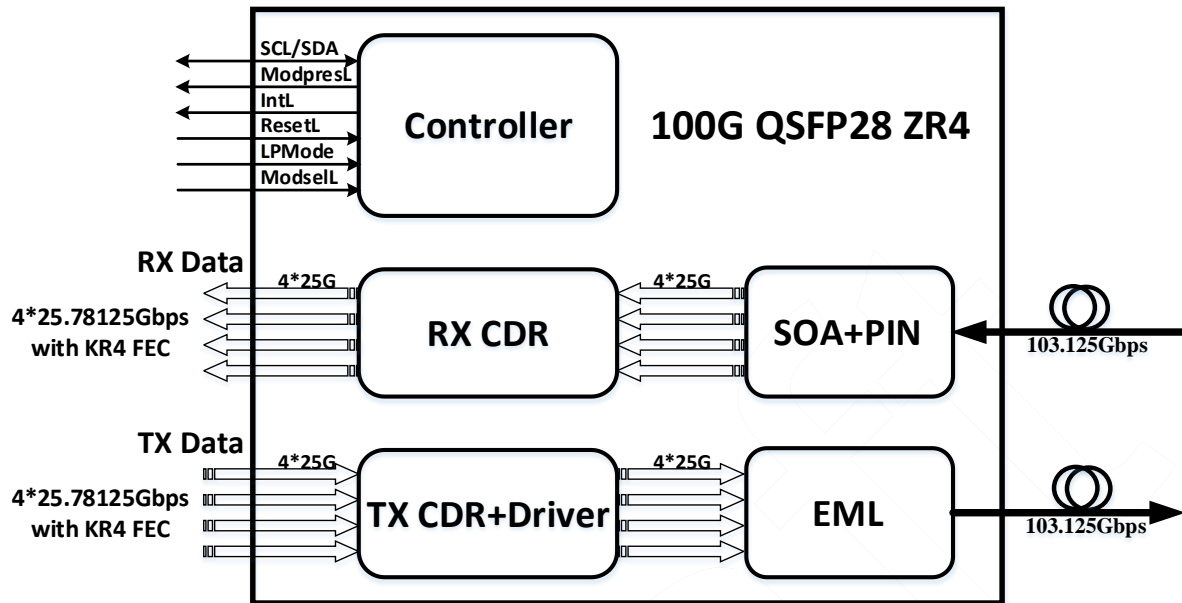


Figure 1. Transceiver Block Diagram

Pin Descriptions

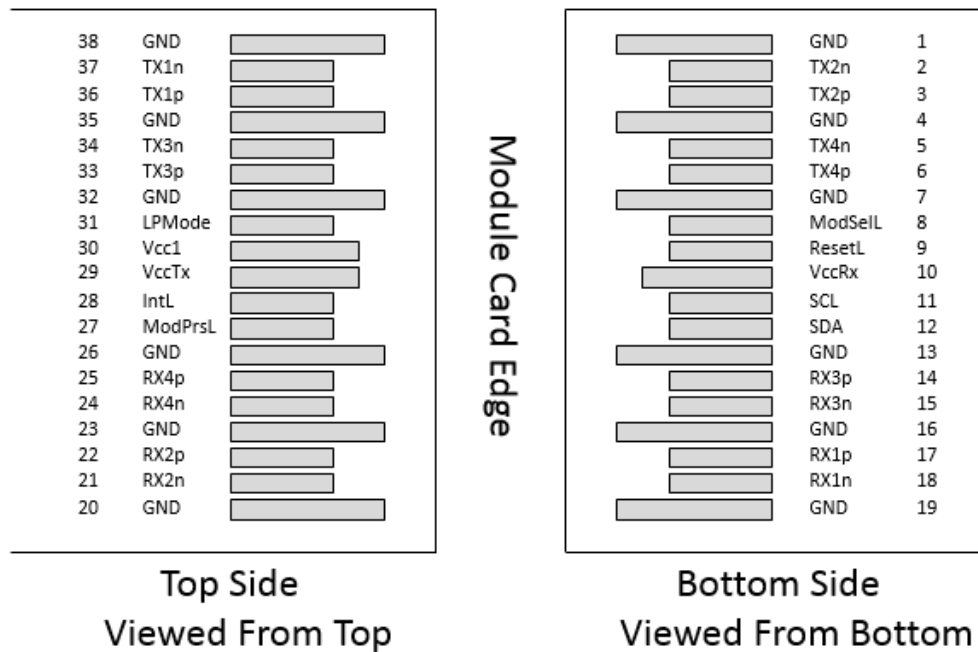


Figure 2. MSA compliant Connector

Mechanical Specifications

ND's ND-XXX-QSFP28-ZR4-100G-LP 100G ZR4 QSFP28 transceivers are compatible with the QSFP28 Specification for pluggable form factor modules.

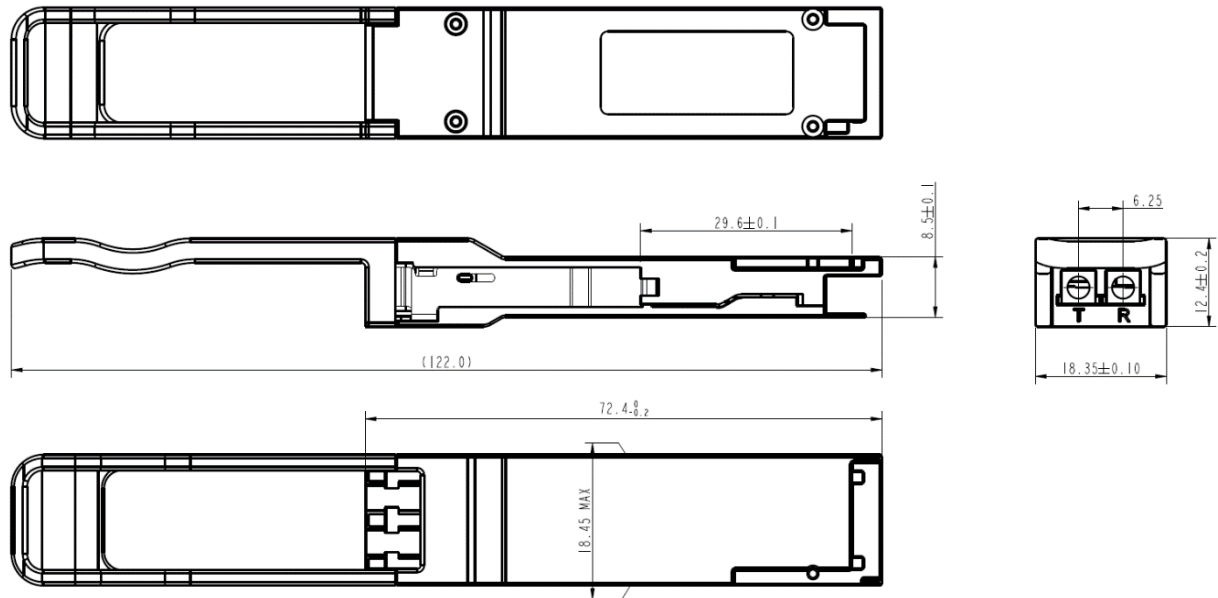


Figure 3. Mechanical Dimensions

Ordering Information

Part Number	Description
ND-XXX-QSFP28-ZR4-100G-LP	100GBASE-ZR4 80km QSFP28, Pull-tap, refer to Figure 3

END