

DATASHEET 5.0

SO-CFP2-QSFP28-XM, -2

CFP2 to QSFP28 DAC 1m, 2m, 3m, active

OVERVIEW

The SO-CFP2-QSFP28-xM and SO-CFP2-QSFP28-xM-2 are active Direct Attach Cable (DAC) coax solutions for 100G Ethernet and OTN. It is intended for rack interconnect between equipment having CFP2 and QSFP28 ports.

Both are provided in lengths from 1 to 3 meters (3.3 to 9.8 ft).

The thickness of the cable is defined by the AWG (American Wire Gauge) rating value. The SO-CFP2-QSFP28-xM uses AWG30 rated cables.

The SO-CFP2-QSFP28-xM-2 version has Clock and Data Recovery (CDR) function in both transmit and receive direction while the SO-CFP2-QSFP28-xM has a CDR function in the receive direction only.

APPLICATIONS

Data Center cabling infrastructure

ORDERING INFORMATION

| Part Number | Description |
|---------------------|---------------------------------|
| SO-CFP2-QSFP28-1M | CFP2 to QSFP28 DAC 1m |
| SO-CFP2-QSFP28-2M | CFP2 to QSFP28 DAC 2m |
| SO-CFP2-QSFP28-3M | CFP2 to QSFP28 DAC 3m |
| SO-CFP2-QSFP28-1M-2 | CFP2 to QSFP28 DAC 1m, Dual CDR |
| SO-CFP2-QSFP28-2M-2 | CFP2 to QSFP28 DAC 2m, Dual CDR |
| SO-CFP2-QSFP28-3M-2 | CFP2 to QSFP28 DAC 3m, Dual CDR |

PRODUCT FEATURES

- Supports 103 Gbps (100GbE) and 112 Gbps (OTU4) bit rates
- AWG 30 (cable thickness) up to 3m (9.8ft)
- Operating temperature 0°C to +70°C (32°F to +158°F)
- Fully RoHS-6 compliant for environmental protection
- CFP2 and QSFP28 MSA compliant
- Requires FEC in host systems
- Support for MDIO (Management Data Input/Output) interface for CFP2 connector
- Provides an MSA standard 2-wire serial communication interface on QSFP28 connector
- Low power consumption: 1.3W per connector