

40G QSFP+ DAC 0.5m-7m

40G Eth, QSFP+, DAC, 0.5m-7m, 24-30AWG, Passive

QD11-40-xxM-yyC1

OVERVIEW

The QD11-40-xxM-yyC1 series is a family of passive Direct Attach Copper (DAC) cables designed for 40 Gigabit Ethernet and InfiniBand QDR applications. Each assembly integrates a QSFP+ connector at both ends and provides four independent duplex electrical channels that support 10Gbps per lane for an aggregate 40Gbps link. The cables are passive and require no active components, which allows very low power consumption and simple system integration.

The assemblies comply with the QSFP+ Multi-Source Agreement and are fully compatible with IEEE 802.3ba and InfiniBand specifications. They use high quality twin-axial copper with controlled impedance, low crosstalk and minimized pair-to-pair skew. The all-metal housing provides excellent EMI performance, and the EEPROM inside the connector supports cable signature and system level communication.

This DAC family is available in multiple lengths ranging from 0.5m to 7m and supports several wire gauges including 30AWG, 28AWG, 26AWG and 24AWG. The operating temperature range is 0°C to +70°C, making these cables suitable for data centers, storage systems and high-density switching platforms.

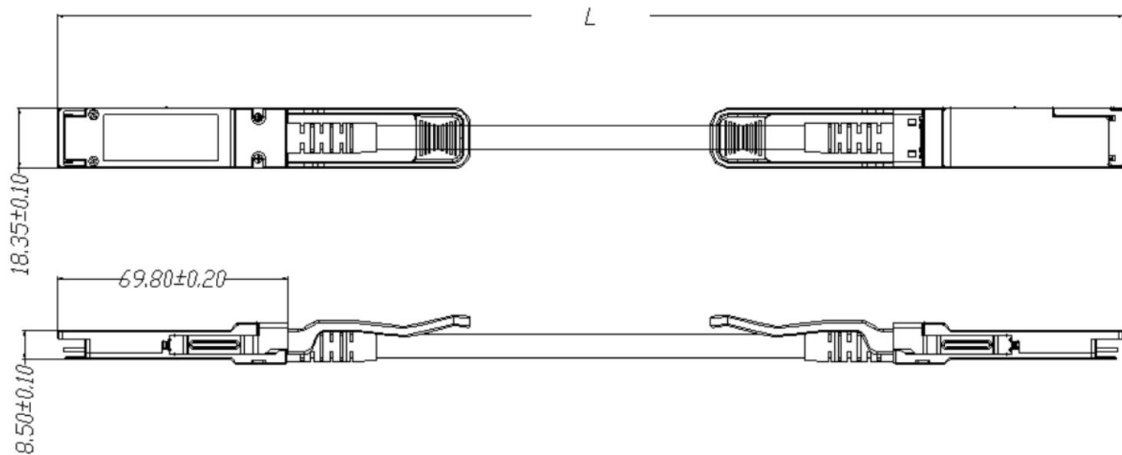
KEY SPECIFICATIONS

- QSFP+ 40 Gbps rated connector (SFF-8436 Compliant)
- Protocol agnostic support of 40GbE, QDR InfiniBand
- EEPROM for cable signature & system communications
- Less than 0.07W power consumption
- Operating case temperature: 0°C to +70°C
- Fully RoHS compliant for environmental protection

APPLICATIONS

- Data Center cabling infrastructure
- Storage Area Network (SAN)
- Network Attached Storage (NAS)
- Hub, switches, routers, servers

MECHANICAL DRAWING



ORDERING INFORMATION

Ordering Code	Description
QD11-40-0M5-30C1	40G QSFP+, DAC, 0.5m, 30AWG, 0 to 70C
QD11-40-01M-30C1	40G QSFP+, DAC, 1m, 30AWG, 0 to 70C
QD11-40-02M-30C1	40G QSFP+, DAC, 2m, 30AWG, 0 to 70C
QD11-40-03M-30C1	40G QSFP+, DAC, 3m, 30AWG, 0 to 70C
QD11-40-03M-28C1	40G QSFP+, DAC, 3m, 28AWG, 0 to 70C
QD11-40-04M-28C1	40G QSFP+, DAC, 4m, 28AWG, 0 to 70C
QD11-40-05M-26C1	40G QSFP+, DAC, 5m, 26AWG, 0 to 70C
QD11-40-07M-24C1	40G QSFP+, DAC, 7m, 24AWG, 0 to 70C

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