



# 10GbE QSFP+ to SFP+ DAC Adapter Cable

MC2309124-xxx | MC2309130-xxx



Mellanox's QSFP to SFP+ passive DAC adapter cables are compliant with SFF-8431 and SFF-8436 specifications and provide connectivity between devices using QSFP port on one end to an SFP+ port on the other end. The cables use state-of-the-art signal processing technology to fill the expanding need for cost-effective data center interconnects.

Mellanox's unique, quality, passive, copper, cable solutions provide a power-efficient replacement for active power connectivity, such as fiber optic cables. Optimizing systems to operate with Mellanox's QSFP to SFP+ passive copper adapter cables significantly reduces power consumption and enlarges the connectivity opportunities of the system.

Rigorous cable production testing ensures the best out-of-the-box installation experience, performance and durability.

Table 1 - Absolute Maximum Ratings

Parameter	Specification
Voltage	30VAC (rms) or DC
Current	0.5A/contact
Operating temperature	0°C to 70°C

Table 2 - Cable Specifications and Ordering Information

Maximum Reach @10Gb/s (meters)	AWG	Ordering Part Number
1	30	MC2309130-001
2	30	MC2309130-002
3	30	MC2309130-003
4	24	MC2309124-004
5	24	MC2309124-005
7	24	MC2309124-007

## HIGHLIGHTS

- Compliant to industry standards:
  - InfiniBand Architecture specification
    - QSFP MSA SFF-8436
    - SFP+ MSA SFF-8431
- BER better than 1E-15
- Low crosstalk
- Low insertion loss
- Matched impedance
- Secure latching mechanism
- RoHS-5 compliant

# Mechanical Schematics

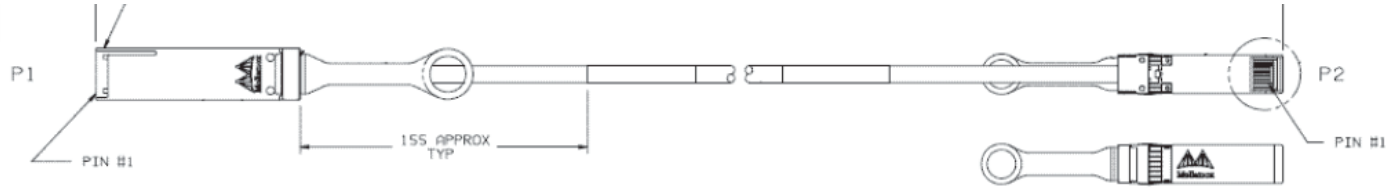


Table 3 - Part Number and Description

OPN	Description
MC2309130-001	Mellanox® passive copper hybrid cable, ETH 10GbE, 10Gb/s, QSFP to SFP+, 1m
MC2309130-002	Mellanox® passive copper hybrid cable, ETH 10GbE, 10Gb/s, QSFP to SFP+, 2m
MC2309130-003	Mellanox® passive copper hybrid cable, ETH 10GbE, 10Gb/s, QSFP to SFP+, 3m
MC2309124-004	Mellanox® passive copper hybrid cable, ETH 10GbE, 10Gb/s, QSFP to SFP+, 4m
MC2309124-005	Mellanox® passive copper hybrid cable, ETH 10GbE, 10Gb/s, QSFP to SFP+, 5m
MC2309124-007	Mellanox® passive copper hybrid cable, ETH 10GbE, 10Gb/s, QSFP to SFP+, 7m

## Warranty Information

Mellanox LinkX direct attach copper cables include a 1 year limited hardware warranty, which covers parts repair or replacement.