

Mellanox MCP1650-H001E30 Datasheet



Mellanox MCP1650-H001E30 Passive Copper cable, IB HDR, up to 200Gb/s, QSFP56, LSZH, 1m, black pulltab, 30AWG

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Mellanox MCP1650-H0xxEyy DAC cables are high speed, cost-effective alternatives to fiber optics in 200Gb/s InfiniBand HDR applications.

Mellanox QSFP56 passive copper cable(1) contains eight high-speed copper pairs, each operating at data rates of up to 50Gb/s. Each QSFP56 port comprises an EEPROM providing product information, which can be read by the host system.

Mellanox's unique quality passive copper cable solutions provide power-efficient connectivity for short distance interconnects. It enables higher port bandwidth, density and configurability at a low cost and reduced power requirement in the data centers.

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

Features

- IBTA InfiniBand HDR compliant
- Up to 200Gb/s data rate
- 4x 50Gb/s PAM4 modulation
- SFF-8665 compliant
- Operating case temperature 0-70°C
- Single 3.3V supply voltage

- Bit Error Rate (BER) better than 1E-15 with Mellanox InfiniBand HDR systems
- Hot pluggable
- RoHS compliant
- LSZH (Low Smoke Zero Halogen) jacket
- LF (Lead Free) HF (Halogen Free) PCB
- SFF-8636 compliant IC management interface

For more information of this Mellanox MCP1650-H001E30, please visit Mellanox website:

https://network.nvidia.com/related-docs/prod_cables/PB_MCP1650-H0xxEyy_200Gbps_QSFP56_DAC.pdf

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