

# PRE-QSFP28-CUxxyyM

QSFP28, Passive DAC, 100G, I-Temp

## Product Features:

- Up to 100Gbps Bi-directional Data Rate
- Up to 5m reach
- Robust Cable Design and Strain Relief
- Maximum EMI Shielding for Signal Integrity
- EEPROM Capability
- I-Temp Rated



## Product Applications:

- 100G Ethernet
- Data Center

## Standards:

- IEEE802.3bj
- RoHS
- Cable Rating: 30AWG - 80°C VW1  
26AWG - UL CL2

## General Specifications

| Parameter                           | Min   | Typical | Max      | Unit |    |
|-------------------------------------|-------|---------|----------|------|----|
| Case Operating Temperature (I-Temp) | -40   | -       | 85       | °C   |    |
| Power Supply Current <sup>1</sup>   | -     | 0.2     | 2        | mA   |    |
| Power Supply Voltage                | 2.95  | 3.3     | 3.6      | V    |    |
| Operating Humidity                  | 0     | -       | 85       | %    |    |
| Storage Temperature                 | -40   | -       | 85       | °C   |    |
| Data Rate per Channel               | -     | -       | 25.78125 | Gbps |    |
| Cable Differential Impedance        | 95    | 100     | 110      | Ω    |    |
| Cable Outer Diameter                | 30AWG | -       | 6.73     | -    | mm |
|                                     | 26AWG | -       | 9.78     | -    |    |
| Cable Bend Radius <sup>2</sup>      | 30AWG | -       | 45.0     | -    | mm |
|                                     | 26AWG | -       | 60.0     | -    |    |

Note 1: Dissipates power only during EEPROM read/write

Note 2: Measured at Diecast Endface

## Product Ordering Information

| Part Number        | Description                                    |
|--------------------|--|
| PRE-QSFP28-CU300HM | QSFP28, Passive DAC, 30AWG, 100G, 0.5m, I-Temp |
| PRE-QSFP28-CU3001M | QSFP28, Passive DAC, 30AWG, 100G, 1m, I-Temp   |
| PRE-QSFP28-CU3002M | QSFP28, Passive DAC, 30AWG, 100G, 2m, I-Temp   |
| PRE-QSFP28-CU3003M | QSFP28, Passive DAC, 30AWG, 100G, 3m, I-Temp   |
| PRE-QSFP28-CU2604M | QSFP28, Passive DAC, 26AWG, 100G, 4m, I-Temp   |
| PRE-QSFP28-CU2605M | QSFP28, Passive DAC, 26AWG, 100G, 5m, I-Temp   |