

10G SFP+ **Direct Attach Cable**

UB-39T3-DAC

Description

The SFP+ passive cable assemblies are high performance, cost effective I/O solutions for 10G Ethernet and 10G Fiber Channel applications. SFP+ copper modules allow hardware manufactures to achieve high port density, configurability and utilization at a very low cost and reduced power budget. The high-speed cable assemblies meet and exceed Gigabit Ethernet and Fiber Channel industry standard requirements for performance and reliability

Product Features

- Support for multi-gigabit data rates up to 10.5Gbps
- Data rates backward compatible to 1Gbps
- Hot-pluggable SFP 20 PIN footprint
- Copper link length up to x (x=0.5~10m)
- I/O Connector designed for high-speed differential signal applications
- Improved Pluggable Form Factor (IPF) compliant for enhanced EMI/EMC performance
- Compatible to SFP+ MSA
- Temperature Range: 0~70°C
- RoHS compliant

PRODUCT FEATURES AND SPECIFICATIONS **UB-39T3-DAC Direct Attach Cable**

| | |
|---------------------|--|
| Product Type | 24-30 AWG conductor sizes available to achieve maximum performance up to 10m |
| Conductor Treatment | Laser Stripped Conductors |
| Cable Type | PVC |
| Cable Color | Black |
| Packaging | PE Bag |
| Retention Force | Minimum 90N, Maximum 170N |
| Insertion Force | Maximum 40N |

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|-----------------|--|
| Options Include | Customer Specified EEPROM Map Customer Specified Cable Length Low Smoke, Zero Halogen (LSZH) Jackets Custom Colors for Pull Tab and Cable Jackets |
|-----------------|--|

Recommended Operating Environment

| Parameter | Symbol | Min. | Typical | Max. | Unit |
|-----------------------------|--------|------|---------|------|------|
| Storage Ambient Temperature | | -40 | | +85 | °C |
| Operating Case Temperature | Tc | 0 | | +70 | °C |
| Relative Humidity | RH | 0 | | 85 | % |

Pin Function Definitions

| PIN # | Name | Function | Notes |
|-------|------------|---|--------|
| 1 | VeeT | Module transmitter ground | |
| 2 | Tx Fault | N/A | Note 1 |
| 3 | Tx Disable | Transmitter Disable | Note 2 |
| 4 | SDL | 2 wire serial interface data input/output (SDA) | |
| 5 | SCL | 2 wire serial interface clock input (SCL) | |
| 6 | MOD-ABS | Module present, connect to VeeT | |
| 7 | RS0 | N/A | Note 1 |
| 8 | LOS | Receiver Loss of Signal Indication | Note 2 |
| 9 | RS1 | N/A | Note 1 |
| 10 | VeeR | Module receiver ground | |
| 11 | VeeR | Module receiver ground | |
| 12 | RD- | Receiver inverted data out put | |

| | | | |
|----|------|---------------------------------------|--|
| 13 | RD+ | Receiver non-inverted data out put | |
| 14 | VeeR | Module receiver ground | |
| 15 | VccR | Module receiver 3.3V supply | |
| 16 | VccT | Module transmitter 3.3V supply | |
| 17 | VeeT | Module transmitter ground | |
| 18 | TD+ | Transmitter inverted data out put | |
| 19 | TD- | Transmitter non-inverted data out put | |
| 20 | VeeT | Module transmitter ground | |

Note 1) Signals not supported in SFP+ Copper pulled-down to VeeT with 30K ohms resistor

Note 2) Passive cable assemblies do not support LOS and TX_DIS

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