

## EX-QSFP-40GE-DAC-1M-AO

Juniper Networks® EX-QSFP-40GE-DAC-1M Compatible TAA Compliant 40GBase-CU QSFP+ Direct Attach Cable (Passive Twinax, 1m)

### Features

- Full duplex 4 channel parallel passive optical cable
- SFF-8436 QSFP+ compliant
- Transmission data rate up to 10.3Gbps per channel
- Low power consumption
- Housing isolated from connector ground
- Hot pluggable electrical interface
- 3.3V power supply voltage
- Operating Temperature: 0 to 70 Celsius
- RoHS Compliant and Lead-Free



### Applications

- Serial Data Transmission

### Product Description

This is a Juniper Networks® Compatible 40GBase-CU QSFP+ to QSFP+ direct attach cable that operates over passive copper with a maximum reach of 1m. It has been programmed, uniquely serialized, and data-traffic and application tested to ensure it is 100% compliant and functional. We stand behind the quality of our products and proudly offer a limited lifetime warranty. This cable is TAA (Trade Agreements Act) compliant and is built to comply with MSA (Multi-Source Agreement) standards.

AddOn's transceivers are RoHS compliant and lead-free.

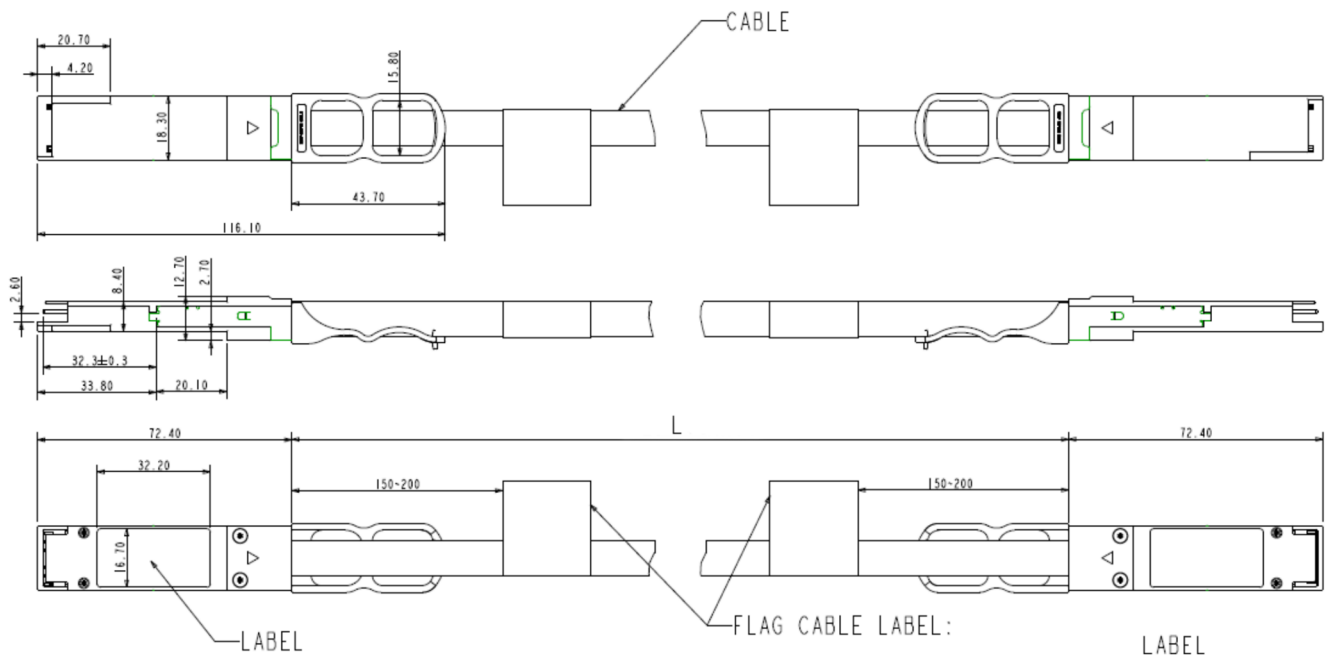
TAA refers to the Trade Agreements Act (19 U.S.C. & 2501-2581), which is intended to foster fair and open international trade. TAA requires that the U.S. Government may acquire only "U.S. – made or designated country end products."



## Specifications

| Parameter                                              | Specifications                 | Unit   |
|--------------------------------------------------------|--------------------------------|--------|
| Minimum Dielectric Withstand Voltage                   | 300                            | VDC    |
| Insulation Resistance                                  | 1000                           | MΩ     |
| Current Rating                                         | 0.5 Amp Minimum/Signal Contact |        |
| Operating Temperature                                  | 0 to 70                        | °C     |
| Flammability Rating (Plastics)                         | UL 94                          |        |
| Shield                                                 | Braid/Foil                     |        |
| Connector                                              |                                |        |
| Back Shell Material                                    | Nickel-Plated Zinc Diecast     |        |
| Contact Material                                       | PCB with Gold-Plated Pads      |        |
| Maximum Insertion Force                                | 40                             | N      |
| Maximum Withdrawal Force                               | 30                             | N      |
| Durability                                             | 250                            | Cycles |
| Tightest Recommended Vertical Spacing (Belly-to-Belly) | 11.80                          | mm     |
| Tightest Recommended Vertical Spacing (Stacked)        | 17.50                          | mm     |
| Cable                                                  |                                |        |
| Conductor                                              | Solid                          |        |
| Wire Gauge                                             | 28                             | AWG    |
| Impedance                                              | 100±5                          | Ω      |
| Construction                                           | Twinaxial                      |        |
| Jacket Type                                            | PVC                            |        |

Mechanical Specifications



## About AddOn Networks

In 1999, AddOn Networks entered the market with a single product. Our founders fulfilled a severe shortage for compatible, cost-effective optical transceivers that compete at the same performance levels as leading OEM manufacturers. Adhering to the idea of redefining service and product quality not previously had in the fiber optic networking industry, AddOn invested resources in solution design, production, fulfillment, and global support.

Combining one of the most extensive and stringent testing processes in the industry, an exceptional free tech support center, and a consistent roll-out of innovative technologies, AddOn has continually set industry standards of quality and reliability throughout its history.

Reliability is the cornerstone of any optical fiber network and is ingrained in AddOn's DNA. It has played a key role in nurturing the long-term relationships developed over the years with customers. AddOn remains committed to exceeding industry standards with certifications from ranging from NEBS Level 3 to ISO 9001:2005 with every new development while maintaining the signature reliability of its products.



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