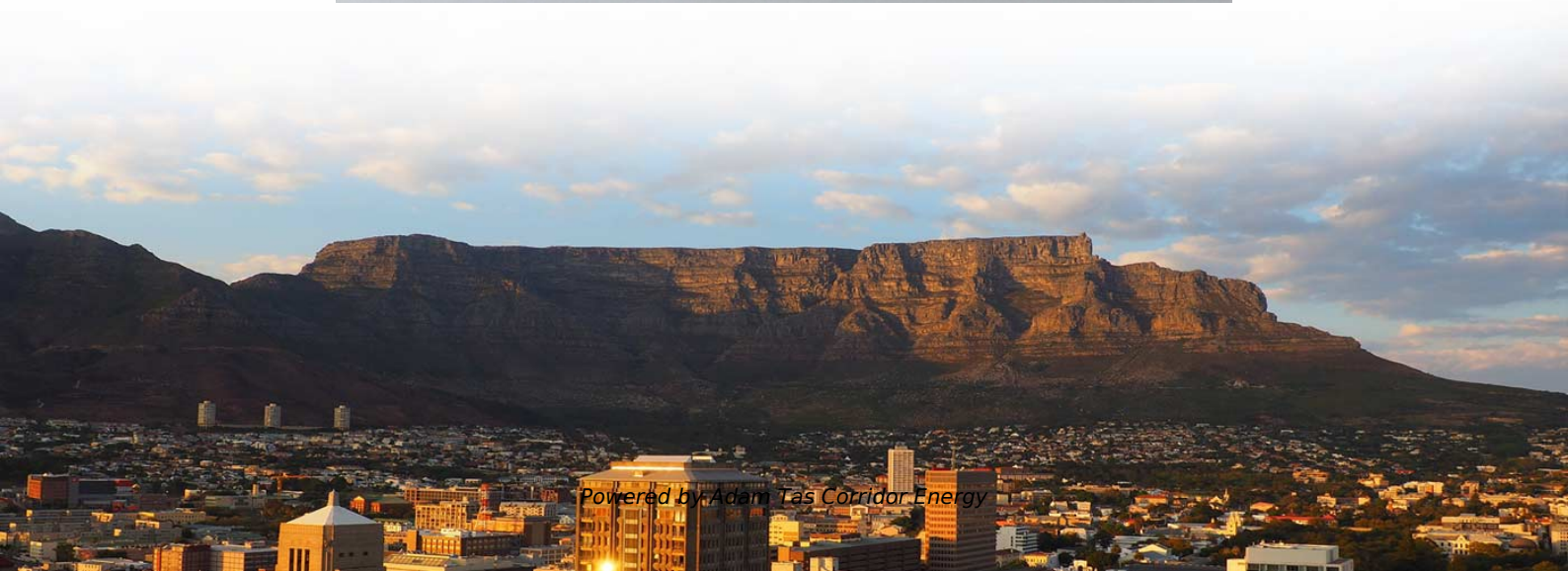
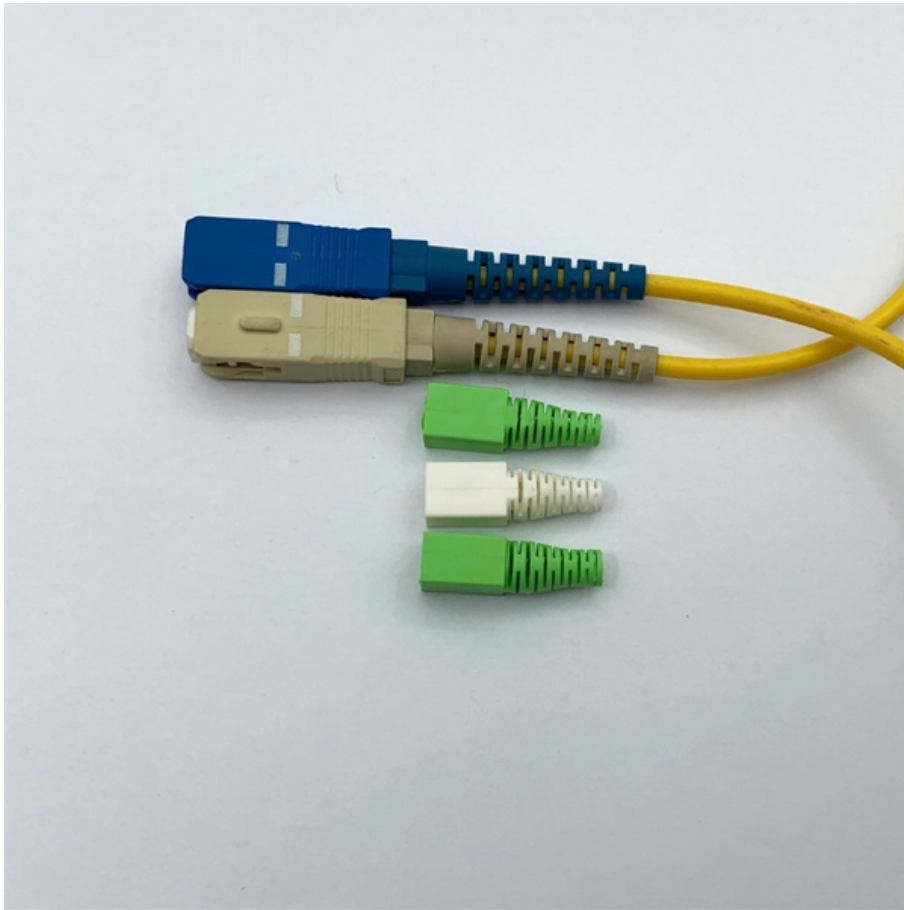




**Adam Tas Corridor Energy**

# **Manufacturer s air-cooled switch QSFP-DD**





## Overview

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TE Connectivity's (TE) QSFP-DD (quad small form-factor pluggable double density) doubles the density of QSFP interconnects with an eight-lane electrical interface capable of 28 Gbps NRZ or 56 Gbps PAM-4 to achieve 200 or 400 Gbps aggregate per port. It is being developed by the QSFP-DD MSA as a key part of the industry's effort to enable high-speed solutions. Amphenol's QSFP-DD high-speed connector family features a scalable, high-performance interconnect platform with 76 contacts on a 0. Mouser offers inventory, pricing, & datasheets for Amphenol QSFP DD Series I/O Connectors. Quad Small Form-factor Pluggable Double Density (QSFP-DD) solution that fits into high-density switch and router client ports for optical interconnect links Powered by Greylock and Delphi DSP ASICs, and silicon photonic integrated circuits (PICs) for an optimized co-packaged design with 3D. This guide provides a comprehensive overview of QSFP-DD compatible switches across major vendors, explains the fundamentals of backward compatibility at the port level, and outlines how to verify transceiver compatibility before procurement.



## Manufacturer s air-cooled switch QSFP-DD

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### QSFP-DD Power & Thermal Management Guide for Data Centers

Complete QSFP-DD power and thermal guide with module power data, rack calculations, AI cluster planning, and cooling strategies for 400G and 800G deployments.

### 400G QSFP-DD Cable and Transceiver Modules Data Sheet , FS

QSFP-DD to 4xQSFP28 cable assemblies are high performance, high bandwidth and cost effective interconnect solutions that support 400G standard applications with different data rates.



### QSFP-DD Optical Transceivers for High-Speed Connections

QSFP-DD ports incorporate a riding heatsink that can be sized independently of the optical module, added on top of the module, or placed between modules. This flexibility enables switch and routing

### QSFP-DD pluggable modules boost data density

Each QSFP-DD port provides 76 electrical contacts, which can support next-generation



switching chips for higher density applications.  
The QSFP-DD is



### QSFP-DD Product Family » Acacia

Quad Small Form-factor Pluggable Double Density (QSFP-DD) solution that fits into high-density switch and router client ports for optical interconnect links

### SFP/QSFP , Advanced Thermal Solutions

Test set-up of different heat sink designs on QSFP28 connector cages. Through testing, analytical modeling and computer simulations, ATS

#### Wall Mount Cabinet Server Racks



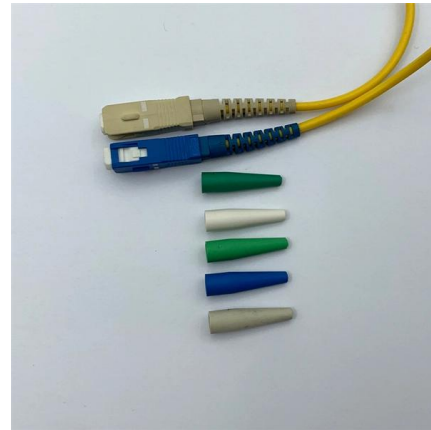
### PRODUCT SPECIFICATION

3.2 INDUSTRY DOCUMENTS QSFP-DD MSA Specification - QSFP-DD supports up to 400 Gb/s Cage (Style A)



## QSFP-DD Connectors , High Speed I/O , Amphenol

Amphenol's QSFP-DD high-speed connector family features a scalable, high-performance interconnect platform with 76 contacts on a 0.8mm

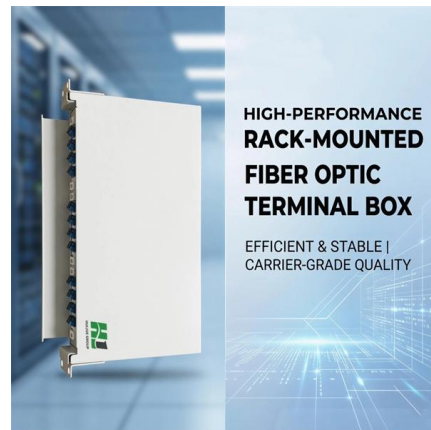


## 200GBASE-SR4 QSFP56 850nm 100m MMF

Compatible with a variety of mainstream cooling fluids. Provides connectivity solutions for 200G immersion cooling NICs to 200G air-cooled switches.

## QSFP DD Connectors

Amphenol Communications Solutions' QSFP DD interconnect system is comprised of a 76-position, 0.8 mm pitch connector built for use in high-speed serial applications.



## QSFP-DD CONNECTORS & CABLE ASSEMBLIES PRODUCT

Our QSFP-DD cages feature a proprietary heat sink design, making them the only solution to work in 15-18W applications at a low cost - providing superior thermal and signal integrity performance.



## UE36-C26200-05C3A , QSFP DD , Amphenol

This part was provided by Diotec and contains a generic symbol name. This part's symbol and footprint need to be mapped after import.



## QSFP DD Connectors

QSFP DD Connectors Amphenol ICC's QSFP DD interconnect system is comprised of a 76-position, 0.8mm pitch connector built for use in high speed serial applications. Each port supports up to 400

## QSFP-DD CONNECTORS & CABLE ASSEMBLIES PRODUCT

The QSFP-DD portfolio's backwards compatibility allows existing QSFP modules to be plugged into QSFP-DD ports. Our QSFP-DD cages feature a proprietary heat sink design, making them the only



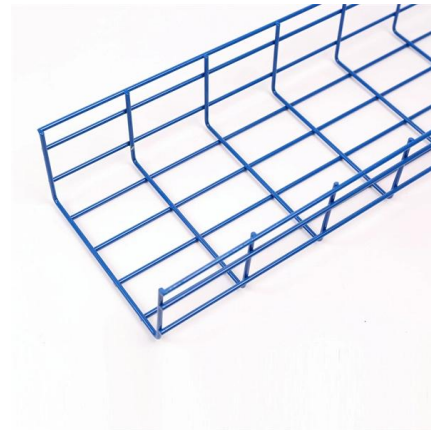
## QSFP-DD Cage

1x1, 1x4, 2x1 and 2x6 cage configurations Fin- and Pin type heat sink available Industry leading signal integrity (SI report on request) Up to 112Gbps-PAM4 per



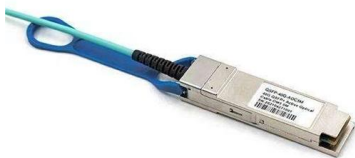
### **QSFP Double Density (DD) Interconnect System**

Amphenol Commercial QSFP Double Density (DD) Interconnect System is backwards mating compatible with QSFP products. The connectors



### **All About QSFP Cables, Connectors, and More**

Amphenol is your industry leader when it comes to the innovation, design, manufacture, and supply of high-performance cable connectors and



### **QSFP-DD Connectors , High Speed I/O , Amphenol**

Amphenol's QSFP-DD interconnect system delivers high-speed performance with exceptional signal integrity. With 76 contacts per port, eight





## Amphenol QSFP DD Series I/O Connectors - Mouser

Amphenol QSFP DD Series I/O Connectors are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for Amphenol QSFP DD Series I/O Connectors.

## Amphenol QSFP DD Series I/O Connectors - Mouser

Mouser offers inventory, pricing, & datasheets for Amphenol QSFP DD Series I/O Connectors.



## Connectors and Cages

QSFP-DD cages in switches can accept QSFP112, QSFP56, and QSFP28 devices using 50G-PAM4 or 25G-NRZ modulation. QSFP112 cages in adapters and DPUs can accept QSFP56,



## TE Connectivity

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

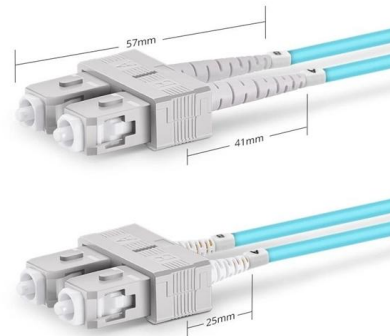


### QSFPDD Datasheet (PDF)

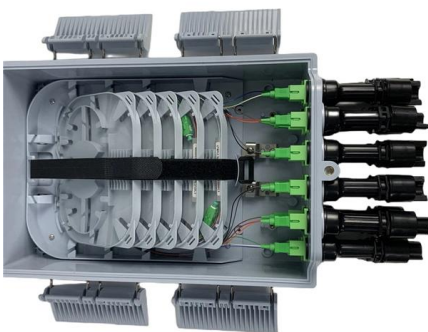
Part #: QSFPDD. Download. File Size: 403Kbytes. Page: 3 Pages. Description: QSFP DD Connectors. Manufacturer: Amphenol Communications Solutions.

### QSFP DD Connectors

QSFP DD Connectors Amphenol ICC's QSFP DD interconnect system is comprised of a 76 position, 0.8mm pitch connector built for use in high speed serial applications. Each port supports up to



Duplex SC UPC



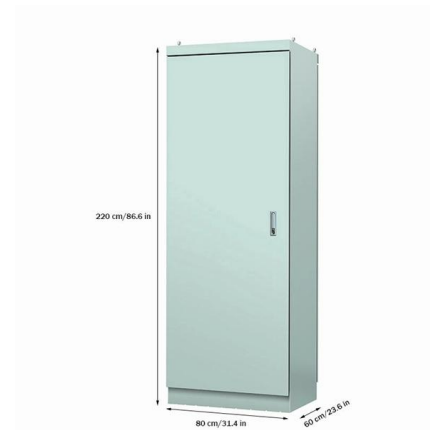
### QSFP DD Connectors Datasheet

Amphenol's QSFP DD Connectors datasheet  
**ATTENTION:** Due to high order volume, orders may require up to 4 additional business days to process.



## QSFP-DD Compatible Switches: Complete 2025 Vendor Guide

Find which switches support QSFP-DD modules. Our 2025 guide covers Cisco, Arista, Juniper and NVIDIA platforms with backward compatibility tips.



## Optimizing QSFP-DD Systems to Achieve at Least 25 Watt

Abstract High performance network environments need to cool pluggable optical modules efficiently. Higher power (25 Watt) modules for QSFP-DD800 systems must dissipate this heat effectively to

## Contact Us

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For datasheets, pricing, or custom telecom energy solutions, please visit:  
<https://www.koskolong.co.za>