QSFP-DD

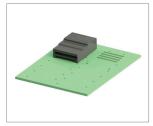
Product Description

The 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 Gbps in aggregate over an 8 x 50 Gbps electrical interface. The cage and connector design provides backwards compatibility to QSFP28 modules which can be inserted into a QSFP-DD port and connected to 4 of the 8 electrical channels. It is one of the industry's leading multi-lane pluggable form factors used across Ethernet, Fibre Channel and InfiniBand.

Applications		
Data Servers	SAN, NIC cards	
Router/Switches	HBA'S	
Hubs		

SFF Supported Standards		
QSFP-DD		
Connector INF-8628		

Product Specifications OSER DD					
Product Specifications - QSFP-DD CONNECTOR		CAGE			
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Materials Specifications					
Housing	Black color, Glass reinfor ced , Lead Free Solder Reflow Process Compatible Thermo Plastic	PCB Thickness	1.44 mm MIN for single mounted. (1xN)		
Contacts Base Material	Phosphor Bronze	Belly to Belly	2.85 mm MIN for 1xN.		
Plating Solder Tails	Matte tin				
Plating Mating Area	Gold				
Resonance Dampening Feature	Conductive Polymer				
Operating & Storage Temperature	-40° to +85° C				
Electrical Specifications					
Operating Voltage	30 VDC per contact				
Operating Current	0.5 A per contact				
Differential Impendance	100 Ω +/-10 Ω				
	Mechanical Specifications				
Mating Force	90 N Maximum	Unmating Force	50 N Maximum		
Durability	100 mating cycles	Insertion Force to PCB	780 N for 1 port 1000 N for 2 Ports 1700 N for 4 Ports 2400 N for 6 Ports		
Options					
Packaging	Tape and Reel	Packaging	Tray		
EMI Options	Spring Fingers				
Cage Mounting	Thru Bezel				
Configurations	1XN (N=1,2,3,4,5,6) 2XN (N=1,2)				
Environmental Specifications					
RoHS	Yes				
Halogen Free	Yes				
Flammability Rating	UL 94V-0				





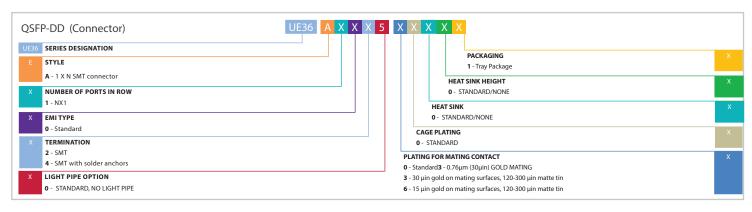


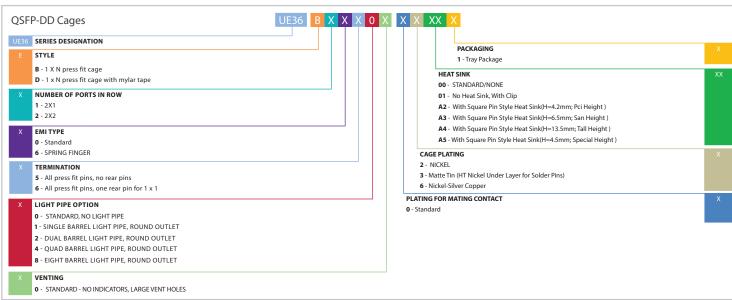


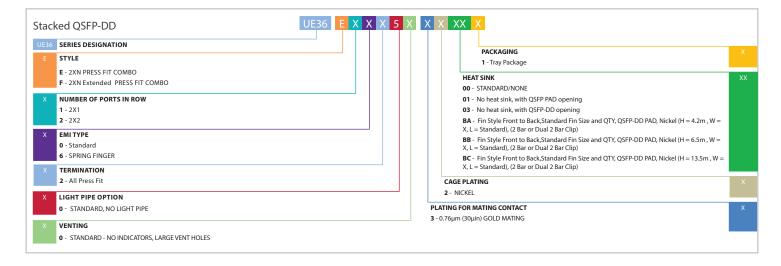




Ordering Information









Order Information:

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