Mini-SAS HD

Product Description

Mini-SAS High Density receptacle is the next generation SAS system; the SAS 2.1 standard meets SAS-3 next generation speed and density requirements that provides faster data transmission and more bandwidth for end users. The low-profile system provides 4X and 8X cable-plug options, and the external I/O connectors includes eight sideband signals per 4X port, 1x4 configuration for up to 192 Gbps of total bandwidth. Mini-SAS HD is designed to save space with its increased density and reduced size as compared to the Mini-SAS 2.0 while following complacency with the standard. Mini-SAS HD connector system has a 2-row, right angle connector with data rates reaching 12 Gbps per channel. Mini-SAS HD can up to 24Gps per channel and can meet SAS-4 and PCIe Gen4/5.

Applications				
RAID	Router/Switch	Blade server		
Workstations	Patch panels	Servers		
Rack-mount server	Routers	Storage rack		

SFF Supported Standards
Connector Cage Combo SFF-8614

Product Specifications - Mini-SAS HD					
CONNECTOR		CAGE			
Materials Specifications					
Housing	Black color, Glass reinforced , Lead Free Solder Reflow, Process Compatible Thermo Plastic	PCB Thickness	3.00 mm (0.118in.) min.		
Contacts Base Material	Phosphor Bronze				
Contact Normal Force	50 grams Minimum				
Plating Press-Fit Area	Matte tin or Gold flash options				
Plating Mating Area	Gold				
Operating Temperature	-40°C 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	62 N max.	Unmating Force	30 N max.		
Durability	250 mating cycles				
Options					
Packaging	Tray				
Configurations	1X1, 1X2, 1X4				
Environmental Specifications Options					
RoHS	Yes				
Halogen Free	Yes				
Flammability Rating	UL 94V-0				



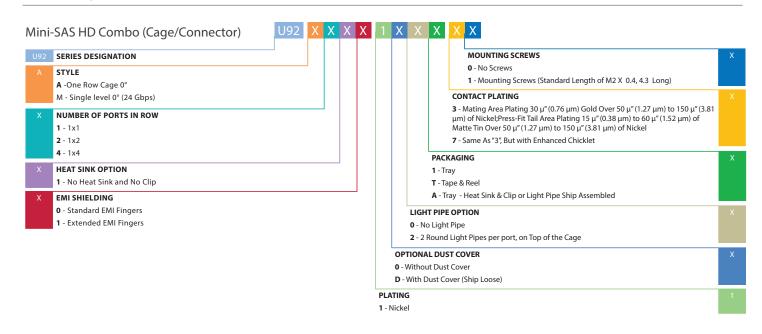








Ordering Information





Order Information:

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Product Applications; List represents common uses for the product but is not limited to these uses.



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