Mini-SAS

Product Description

The Mini-SAS external I/O connector system consists of a die-cast metal cage and a Compact Multi-Lane SMT connector. It supports Fiber Channel and InfiniBand standards, making it the perfect solution to the ever-growing demand of high-speed mass storage systems, servers, and storage area networks. Providing four serial send/receive channels per port, this connector system provides signal speeds of 6 Gbps per channel. The cage is mounted separately to the body so that the stress imposed by insertion and removal of the cable plug does not affect the signal/body solder joints. Mini-SAS satisfies the requirements of the INCITS T10 SAS 2.0 and SAS 2.1, and provides reverse keying for active copper cables per SAS 2.0 and SAS 2.

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

SFF Supported Standards		
Connector SFF-8086		
Cage SFF-8088		

Product Specifications - Mini-SA	S				
CONNECTOR		CAGE			
Materials Specifications					
Housing	Black color, Glass reinforced , Lead Free Solder Reflow, Process Compatible Thermo Plastic	PCB Thickness	1.8 mm (0.070 in.) min.		
Contacts Base Material	Phosphor Bronze	Base Material	Zinc alloy		
Contact Normal Force	100 grams	Plating	Nickel		
Plating Solder Tails	Matte tin				
Plating Mating Area	Gold				
Operating 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	55.5 N Max.	Unmating Force	49.0 N max.		
Durability	250 mating cycles				
Options					
Packaging	Tape and Reel	Packaging	Tray		
Light Pipe Options	Available				
Environmental Specifications Options					
RoHS	Yes				
Halogen Free	Yes				
Flammability Rating	UL 94V-0				







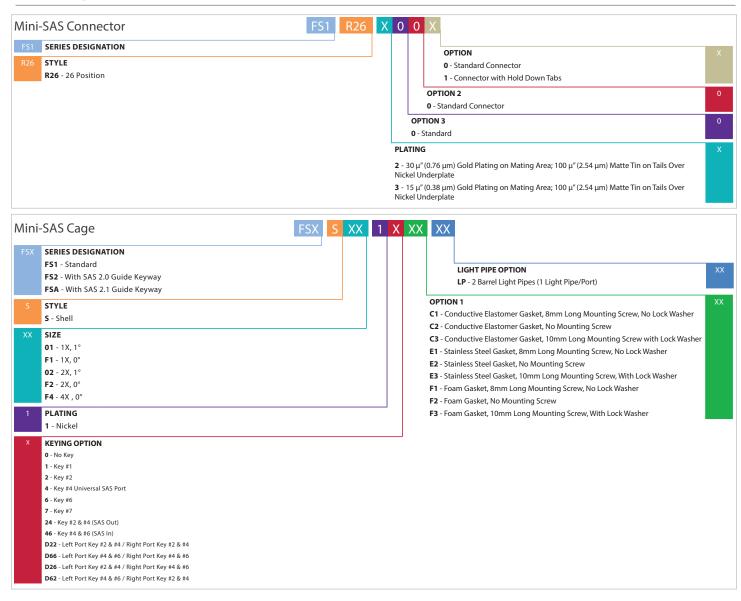








Ordering Information





Order Information:

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For more information consult factory or visit <u>amphenol-highspeed.com</u>
Product Applications; List represents common uses for the product but is not limited to these uses.

