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Part Number:

87945-1001

Status:

Active

Overview:

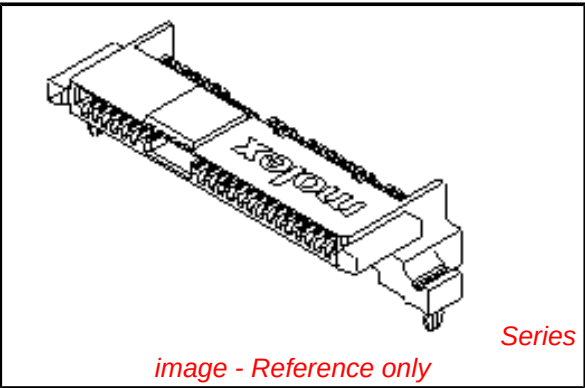
Serial Attached SCSI (SAS) Connectors

Description:

1.27mm Signal Pitch, 0.80mm SCSI Pitch, 1.27mm Power Pitch SAS Receptacle, Right Angle, Surface Mount, "Z" Height of 7.07mm, with Beveled Metal Pins, PCB Thickness 1.83mm-2.20mm, 29 Circuits, Lead-Free

Documents:	
3D Model	Product Specification PS-87945-034 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification	
CSA	LR19980
General	
Product Family	I/O Connectors
Series	87945
Application	Board-to-Board
Comments	PCB Forklock Must be Plated Through Hole regardless whether Forklock is soldered or not
Component Type	Receptacle
Overview	Serial Attached SCSI (SAS) Connectors
Product Name	SAS
Type	N/A
UPC	822350734936
Physical	
Boot Color	N/A
Circuits (Loaded)	29
Circuits (maximum)	29
Circuits Detail	Signal 7, SCSI 7, Power 15
Color - Resin	Black
Durability (mating cycles max)	500
Flammability	94V-0
Gender	Female
Keying to Mating Part	Yes
Lock to Mating Part	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Net Weight	2.629/g
Number of Rows	2
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	2.10mm
Packaging Type	Tray
Panel Mount	Yes
Pitch - Mating Interface	0.80mm, 1.27mm
Pitch - Termination Interface	0.80mm, 1.27mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	0°C to +55°C



EU RoHS

ELV and RoHS Compliant

REACH SVHC

Contains SVHC: No

Low-Halogen Status

Not Low-Halogen

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com

For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

87945Series

Mates With

87679 , 87799 , 87703 , SFF 8482 Hard Disk Drive and Backplane Plug

Termination Interface: Style	Surface Mount
Waterproof / Dustproof	No
Wire Size AWG	N/A

Electrical

Current - Maximum per Contact	1.5A
Shielded	No
Voltage - Maximum	30V

Solder Process Data

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Electrical Model Document	EE-78459-003, EE-87945-001
Product Specification	PS-87945-034
Sales Drawing	SD-87945-001

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