

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0879451001

Status:

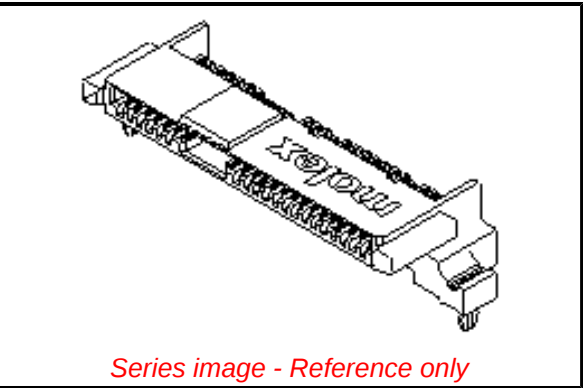
Active

Overview:

Serial Attached SCSI (SAS) Connectors

Description:

1.27mm Signal Pitch, 0.80mm SCSI Pitch, 1.27mm Power Pitch SAS 6G 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

Drawing (PDF)

Product Specification PS-87945-034-001 (PDF)

Packaging Specification PK-87945-001 (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, 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 6G
Type	N/A
UPC	822350734936
Physical	
Boot Color	N/A
Circuits (Loaded)	29
Circuits (maximum)	29
Circuits Detail	Signal 14, 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
Material - Resin	High Temperature Thermoplastic
Net Weight	2.643/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

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -

ED/71/2019 (16 July

2019)

Halogen-Free

Status

Not Low-Halogen

For more information, please visit

Contact US

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series

87945 Series

Mates With

87679 , 87799 , 87703 , SFF 8482 Hard

Disk Drive and Backplane Plug

Polarized to PCB	Yes
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	0° to +55°C
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)	010
Lead-freeProcess Capability	REFLOW
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260
Material Info	
Reference - Drawing Numbers	
Electrical Model Document	EE-87945-001
Packaging Specification	PK-87945-001
Product Specification	PS-87945-034-001
Sales Drawing	SD-87945-001

This document was generated on 09/19/2019

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex:](#)

[87945-1001](#)