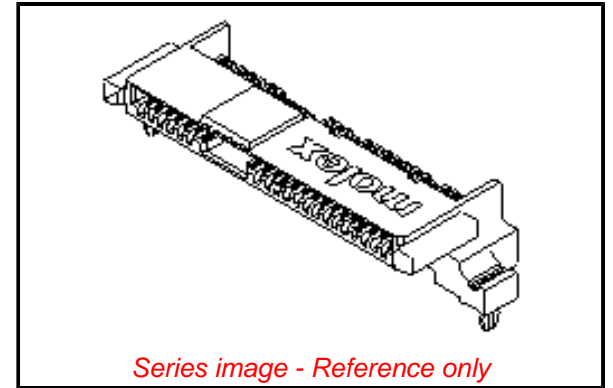


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Part Number: [0879450001](#)
Status: **Active**
Overview: Serial Attached SCSI (SAS) Connectors
Description: 1.27mm Signal Pitch, 0.80mm SCSI Pitch, 1.27mm Power Pitch SAS-2 Receptacle, Right-Angle, Surface Mount, "Z" Height of 7.07mm, with Beveled Metal Pins, PCB Thickness 1.60mm, 29 Circuits, Lead-Free

Documents:

3D Model	Product Specification PS-87945-034-001 (PDF)
3D Model (PDF)	Packaging Specification PK-87945-001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)



Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	I/O Connectors
Series	87945
Application	Board-to-Board
Comments	No pick and place cap "Z" Height - 7.07mm
Component Type	Receptacle
Overview	Serial Attached SCSI (SAS) Connectors
Product Name	SAS 6G, SAS-2
Type	N/A
UPC	822348846603

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	2.636/g
Number of Rows	2
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
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

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
ECHA_01_2020 (16
January 2020

Halogen-Free

Status

Not Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[87945 Series](#)

Mates With

[87679](#) , [87799](#) , [87703](#) , SFF 8482 Hard
Disk Drive and Backplane Plug

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-free Process 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 05/19/2020

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