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**Part Number:** **0879751002**  
**Status:** **Active**  
**Description:** 1.27mm (.050") Signal Pitch, 0.80mm (.031") SCSI Pitch, 1.27mm (.050") Power Pitch SAS Receptacle, Right Angle, Surface Mount, with Straight Solder Tab, "Z" Height of 2.85mm (.112"), 29 Circuits, Leadfree

**Documents:**

3D Model [Product Specification PS-87975-102 \(PDF\)](#)  
Drawing (PDF) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
UL E29179

**General**

Product Family I/O Connectors  
Series **87975**  
Application Board-to-Board  
Comments No pick and place cap|"Z" Height - 2.85mm (.112")  
Component Type Receptacle  
Product Name SAS  
Type N/A

**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 - Plating Mating Gold  
Material - Plating Termination Tin  
Number of Rows 2  
Orientation Right Angle  
PCB Locator Yes  
PCB Retention Yes  
PCB Thickness - Recommended 1.60mm (.063")  
Packaging Type Tray  
Panel Mount Yes  
Pitch - Mating Interface 0.80mm (.031"), 1.27mm (.050")  
Pitch - Termination Interface 0.80mm (.031"), 1.27mm (.050")  
Plating min - Mating 0.762µm (30µ")  
Plating min - Termination 2.540µm (100µ")  
Polarized to Mating Part Yes  
Polarized to PCB Yes  
Surface Mount Compatible (SMC) N/A  
Temperature Range - Operating 0°C to +55°C  
Termination Interface: Style Surface Mount  
Waterproof / Dustproof No  
Wire Size AWG N/A

**Electrical**

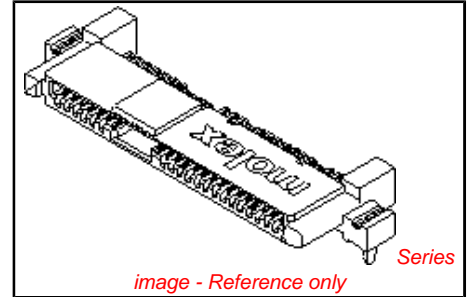


image - Reference only

<p><b>EU RoHS</b>  <b>ELV and RoHS</b>  <b>Compliant</b>  <b>REACH SVHC</b>  Not Reviewed  <b>Low-Halogen Status</b>  <b>Not Low-Halogen</b></p>	<p><b>China RoHS</b></p>
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**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto: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**  
87975Series

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

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**

Product Specification	PS-87975-102
Sales Drawing	SD-87975-101

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