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**Part Number:** [87945-0001](#)  
**Status:** **Active**  
**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 1.60mm, 29 Circuits, Lead-Free

**Documents:**

[3D Model](#) [Product Specification PS-87945-034 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

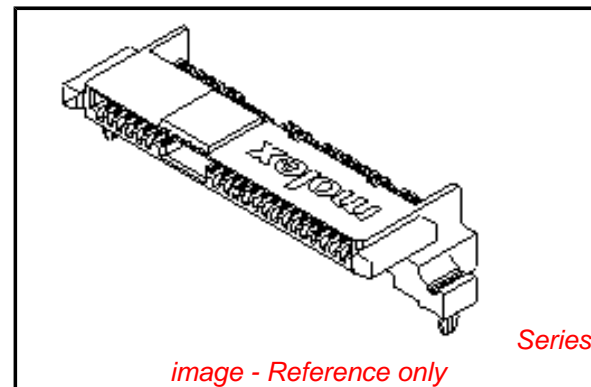
CSA LR19980  
 UL E29179

**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  
 Product Name SAS  
 Type N/A  
 UPC 822348846603

**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 2.767/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) N/A  
 Temperature Range - Operating 0°C to +55°C  
 Termination Interface: Style Surface Mount  
 Waterproof / Dustproof No



**EU RoHS**

**ELV and RoHS  
 Compliant**  
**REACH SVHC  
 Contains SVHC: No**  
**Low-Halogen Status  
 Not Low-Halogen**

**China RoHS**



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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

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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