

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [87945-1001](#)
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 1.83mm-2.20mm, 29 Circuits, Lead-Free

Documents:

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

Agency Certification

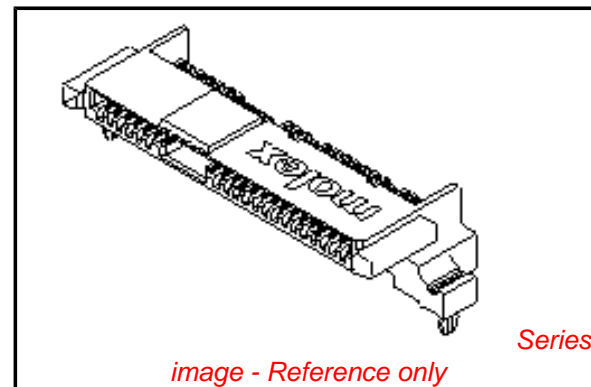
CSA LR19980

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 |
| 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 | 2.820/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 |
| 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



**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

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

This document was generated on 02/04/2013

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION