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| | |
|---|---|
| **Part Number:** | **0879450002** |
| **Status:** | **Active** |
| **Description:** | 1.27mm (.050") Signal Pitch, 0.80mm (.031") SCSI Pitch, 1.27mm (.050") Power Pitch SAS Receptacle, Right Angle, Surface Mount, "Z" Height of 7.07mm (.278"), with Straight Solder Tab, 29 Circuits, Lead free |

**Documents:**

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

*Series image - Reference only*

### Agency Certification
| | |
|---|---|
| CSA | LR19980 |
| UL | E29179 |

### General
| | |
|---|---|
| Product Family | I/O Connectors |
| Series | 87945 |
| Application | Board-to-Board |
| Comments | Solder Tab (Blade) hold-down, no pick and place cap\|"Z" Height - 7.07mm (.278") |
| 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 - Metal | Phosphor Bronze |
| 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 |
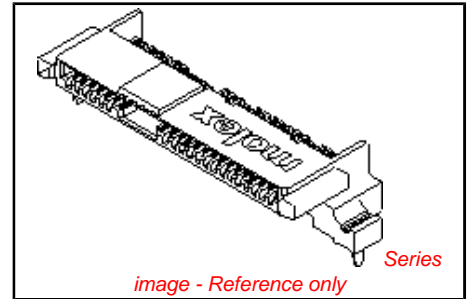
**EU RoHS**    **China RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**
Not Reviewed

**Low-Halogen Status**
**Not Low-Halogen**

**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

**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**

Product Specification                  PS-87945-034
Sales Drawing                          SD-87945-001

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