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**Part Number:** [78492-0001](#)  
**Status:** **Active**  
**Overview:** Micro Serial ATA Connectors  
**Description:** 1.27mm Pitch Micro Serial ATA Device Receptacle for 45.72mm SSD/HDD, SMT, Vertical, with Pegs and Kapton Tape, 16 Circuits, Embossed Tape on Reel, 0.127µm Gold (Au) Plating, Lead-Free

**Documents:**

[3D Model](#) [Product Specification PS-78492-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family PCB Receptacles  
 Series [78492](#)  
 Application Board-to-Board, Signal  
 Comments Rimmed connector base; connector width: 4.38mm  
 Overview [Micro Serial ATA Connectors](#)  
 Product Name Micro Serial ATA, Serial ATA  
 UPC 883906913120

**Physical**

Circuits (Loaded) 16  
 Circuits (maximum) 16  
 Color - Resin Black  
 Durability (mating cycles max) 500  
 Flammability 94V-0  
 Glow-Wire Compliant No  
 Guide to Mating Part Yes  
 Keying to Mating Part Yes  
 Lock to Mating Part No  
 Material - Metal Copper Alloy  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 Net Weight 0.746/g  
 Number of Rows 1  
 Orientation Vertical  
 PCB Locator Yes  
 PCB Retention Yes  
 Packaging Type Embossed Tape on Reel  
 Pitch - Mating Interface 1.27mm, 1.32mm  
 Pitch - Termination Interface 1.27mm, 1.32mm  
 Plating min - Mating 0.127µm  
 Plating min - Termination 2.540µm  
 Polarized to Mating Part Yes  
 Polarized to PCB Yes  
 Stackable No  
 Temperature Range - Operating 0°C to +55°C  
 Termination Interface: Style Surface Mount

**Electrical**

Current - Maximum per Contact 1.5A

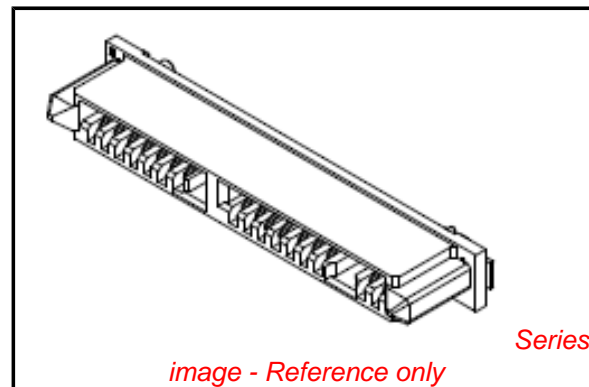


image - Reference only

**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC Contains SVHC: No**  
**Low-Halogen Status Low-Halogen**

**China RoHS**



**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**

[78492Series](#)

**Mates With**

[78103](#) , [78283](#) and [78285](#) Micro SATA Device Plugs

|                   |     |
|-------------------|-----|
| Grounding to PCB  | Yes |
| Voltage - Maximum | 30V |

### **Solder Process Data**

|                                                |                           |
|------------------------------------------------|---------------------------|
| Duration at Max. Process Temperature (seconds) | 3                         |
| 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-78492-001 |
| Sales Drawing         | SD-78492-001 |

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