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**Part Number:** **78109-1001**

**Status:** **Active**

**Overview:** Micro Serial ATA Connectors

**Description:** 1.27mm Pitch Micro Serial ATA Device Receptacle for 45.72mm HDD/SSD, Right Angle, SMT, Mid-Mount, 14 Circuits, Lead-Free


*Series*
*image - Reference only*

**Documents:**

| | |
|---|---|
| 3D Model | Product Specification PS-78109-001 (PDF) |
| Drawing (PDF) | RoHS Certificate of Compliance (PDF) |

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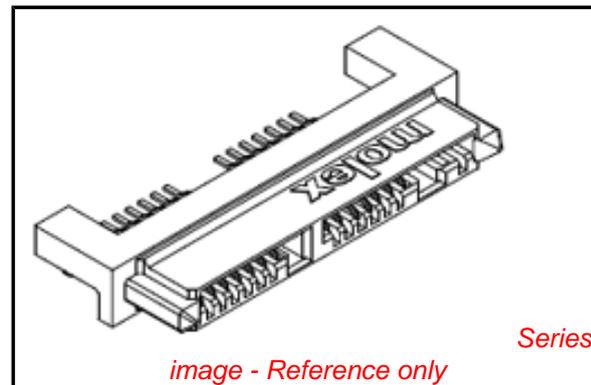| | |
|---|---|
| CSA | LR19980 |
| UL | E29179 |

## General
| | |
|---|---|
| Product Family | PCB Receptacles |
| Series | 78109 |
| Application | Board-to-Board, Signal |
| Comments | Without Optional Manufacturing Pins (S1 to S7, P1 to P7) |
| Electrical Model | Yes |
| Overview | Micro Serial ATA Connectors |
| Product Name | Micro Serial ATA, Serial ATA |
| UPC | 884982032996 |

## Physical
| | |
|---|---|
| Circuits (Loaded) | 14 |
| Circuits (maximum) | 14 |
| 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 | Yes |
| Material - Metal | Copper Alloy |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | Nylon |
| Number of Rows | 1 |
| Orientation | Right Angle |
| PCB Locator | Yes |
| PCB Retention | Yes |
| Packaging Type | Tray |
| Pitch - Mating Interface | 1.27mm |
| Plating min - Mating | 0.762µm |
| Plating min - Termination | 2.540µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| Stackable | No |
| Temperature Range - Operating | -40°C to +105°C |
| Termination Interface: Style | Surface Mount |

## Electrical
| | |
|---|---|
| Current - Maximum per Contact | 1.5A |
| Grounding to PCB | Yes |

**EU RoHS** | **China RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**
**Not Reviewed**

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



**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**
78109Series

**Mates With**
78103 , 78283 and 78285 Micro SATA Device Plugs

| Voltage - Maximum | 30V |
|---|---|

**Material Info**

**Reference - Drawing Numbers**

| Electrical Model Document | EE-78109-001 |
|---|---|
| Product Specification | PS-78109-001 |
| S-Parameter Model | SP-78109-001 |
| Sales Drawing | SD-78109-001 |

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