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**Part Number:** [78448-0001](#)  
**Status:** **Active**  
**Overview:** [Serial ATA Combo Plugs and Receptacles](#)  
**Description:** 1.27mm Pitch Serial ATA Device Plug, Straddle Mount, with Latch, 22 Circuits, Tape on Reel Packaging, Lead-Free

**Documents:**

[3D Model](#) [Product Specification PS-78448-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

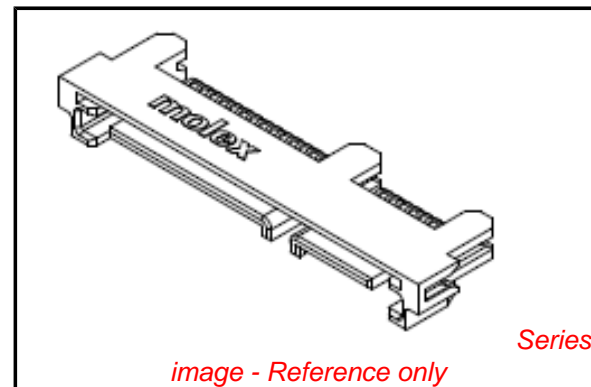
**General**

Product Family PCB Headers  
 Series [78448](#)  
 Application Board-to-Board, Signal  
 Comments Latch version  
 Overview [Serial ATA Combo Plugs and Receptacles](#)  
 Product Name Serial ATA  
 UPC 883906436537

**Physical**

Breakaway No  
 Circuits (Loaded) 22  
 Circuits (maximum) 22  
 Color - Resin Black  
 Durability (mating cycles max) 500  
 First Mate / Last Break Yes  
 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 High Temperature Thermoplastic  
 Net Weight 2.208/g  
 Number of Rows 1  
 Orientation Parallel  
 PCB Locator No  
 PCB Retention None  
 Packaging Type Embossed Tape on Reel  
 Pitch - Mating Interface 1.27mm  
 Pitch - Termination 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 0°C to +55°C  
 Termination Interface: Style Straddle Mount

**Electrical**



**EU RoHS**

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

**China RoHS**



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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**

[78448Series](#)

**Mates With**

Molex Serial ATA and SAS Receptacles

Current - Maximum per Contact	1.5A
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-78448-001, EE-78448-002, EE-78448-003, EE-78448-004, EE-87701-001
Product Specification	PS-78448-001, RPS-78448-001
Sales Drawing	SD-78448-001

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