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**Part Number:** [0877011001](#)  
**Status:** **Active**  
**Overview:** Serial ATA Host Receptacles  
**Description:** 1.27mm Pitch Serial ATA Host Receptacle, Press-fit, Vertical, Standard Height, 0.76µm Gold (Au) Selective, 22 Circuits, Lead-Free

**Documents:**

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Drawing \(PDF\)](#) [Product Literature \(PDF\)](#)  
[Product Specification PS-87701-033-001 \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family PCB Receptacles  
 Series [87701](#)  
 Application Board-to-Board, Signal  
 Overview [Serial ATA Host Receptacles](#)  
 Product Literature Order No SNG-029  
 Product Name Serial ATA  
 UPC 822348698981

**Physical**

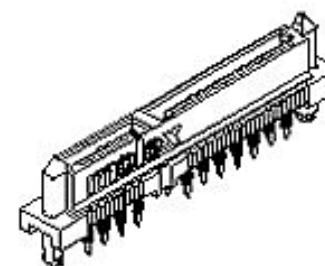
(p)ower-(s)ignal Configuration 15p - 7s  
 Circuits (Loaded) 22  
 Circuits (maximum) 22  
 Durability (mating cycles max) 500  
 Flammability 94V-0  
 Glow-Wire Capable No  
 Lock to Mating Part Yes  
 Material - Metal Copper  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Net Weight 1.535/g  
 Number of Rows 2  
 Orientation Vertical  
 PC Tail Length 3.45mm  
 PCB Locator Yes  
 PCB Retention Yes  
 PCB Thickness - Recommended 1.52mm, 2.03mm  
 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  
 Surface Mount Compatible (SMC) No  
 Temperature Range - Operating -40°C to +105°C  
 Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 1.5A  
 Voltage - Maximum 30V

**Solder Process Data**

Lead-freeProcess Capability N/A



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**  
**REACH SVHC**

Not Contained Per  
 -ED/01/2018 (15  
 January 2018)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product  
 environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 Please visit the [Contact Us](#) section for any  
 non-product compliance questions.

China ROHS Green Image  
 ELV Not Relevant  
 RoHS Phthalates Not Contained

**Search Parts in this Series**

[87701 Series](#)

**Mates With**

[87679](#) , [87799](#) , [87703](#)

**Material Info**

**Reference - Drawing Numbers**

Electrical Model Document

Product Specification

Sales Drawing

EE-87701-001

PS-87701-033-001

SD-87701-013

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