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**Part Number:** **87713-1005**  
**Status:** **Active**  
**Overview:** Serial ATA Host Receptacles  
**Description:** 1.27mm Pitch Serial ATA Host Receptacle, Surface Mount, Vertical, Standard Height, with 1.05mm Plastic Locating Peg, 0.76µm Gold (Au) Selective Plating, without Kapton Tape, Tray Packaging, 22 Circuits, Lead-Free

**Documents:**

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Drawing \(PDF\)](#) [Product Literature \(PDF\)](#)  
[Product Specification PS-87713-016 \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

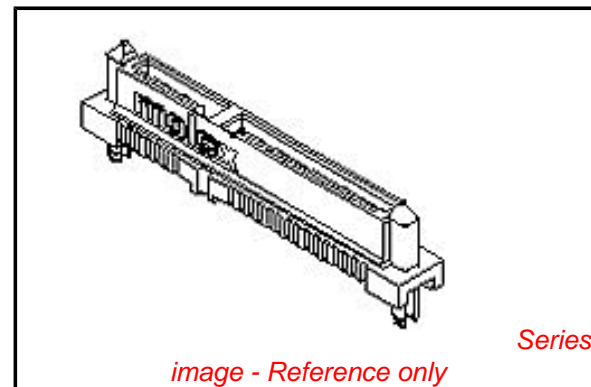
Product Family PCB Receptacles  
 Series 87713  
 Application Board-to-Board, Signal  
 Comments 1.05mm Plastic Locating Peg  
 Overview [Serial ATA Host Receptacles](#)  
 Product Literature Order No SNG-029  
 Product Name Serial ATA  
 UPC 822348731756

**Physical**

(p)ower-(s)ignal Configuration 15p - 7s  
 Circuits (Loaded) 22  
 Circuits (maximum) 22  
 Durability (mating cycles max) 500  
 Flammability 94V-0  
 Glow-Wire Compliant No  
 Lock to Mating Part Yes  
 Material - Metal Copper Alloy  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 Net Weight 1.477/g  
 Number of Rows 1  
 Orientation Vertical  
 PCB Locator Yes  
 PCB Retention None  
 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) N/A  
 Temperature Range - Operating -40°C to +105°C  
 Termination Interface: Style Surface Mount

**Electrical**

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



**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**

87713Series

**Mates With**

87679 , 87799 , 87703

**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-78178-001, EE-78286-001, EE-78328-001, EE-78328-002, EE-87703-003
Product Specification	PS-87713-016
Sales Drawing	SD-87713-029

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