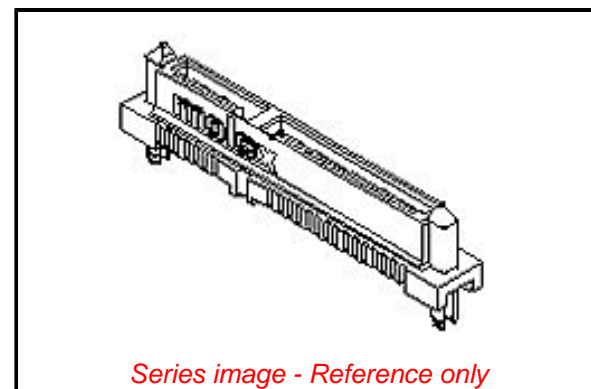


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**Part Number:** [0877131005](#)  
**Status:** **Active**  
**Overview:** Serial ATA Connectors  
**Description:** 1.27mm Pitch Serial ATA Host Receptacle, Surface Mount, Vertical, Standard Height, with 1.05mm Plastic Locating Peg, 0.76µm Gold (Au) Selective Plating, without Kapton Tape, Tray Packaging, 22 Circuits, Lead-Free

**Documents:**

[3D Model](#) [Packaging Specification PK-87713-100-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-87713-016-001 \(PDF\)](#)



**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 Connectors](#)  
 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 Capable 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 1.486/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° to +105°C  
 Termination Interface: Style Surface Mount

**Electrical**

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

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 010

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
 D(2021)4569-DC (8  
 July 2021)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

|                 |               |
|-----------------|---------------|
| China ROHS      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**

[87713 Series](#)

**Mates With**

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

|   |        |
|---|--------|
| Lead-freeProcess Capability             | REFLOW |
| Max. Cycles at Max. Process Temperature | 001    |
| Process Temperature max. C              | 260    |

**Material Info**

**Reference - Drawing Numbers**

|                           |  |
|---------------------------|--|
| Electrical Model Document | EE-78178-001-001, EE-78328-001-001,<br>EE-78328-002-001, EE-87703-003-001,<br>EE-87713-001-001 |
| Packaging Specification   | PK-87713-100-001   |
| Product Specification     | PS-87713-016-001   |
| S-Parameter Model         | SP-87713-001-001   |
| Sales Drawing             | SD-87713-029-001   |

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