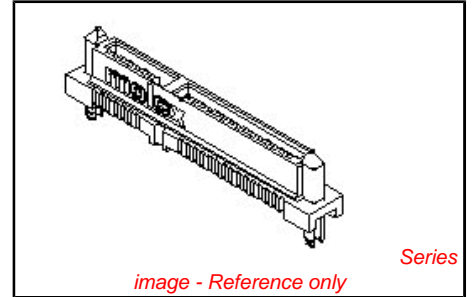


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**Part Number:** [0877131001](#)  
**Status:** **Active**  
**Overview:** serial\_ata\_127\_host\_receptacles  
**Description:** 1.27mm (.050") Pitch Serial ATA Host Receptacle, Surface Mount, Vertical, Standard Height, with 3.70mm (.145") Plastic Locating Peg, 0.76µm (30µ") Gold (Au) Selective Plating, 22 Circuits, Leadfree

**Documents:**

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



**General**

Product Family	PCB Receptacles
Series	87713
Application	Board-to-Board, Signal
Comments	3.70mm (.145") Plastic Locating Peg
Overview	<a href="#">serial_ata_127_host_receptacles</a>
Product Literature Order No	SNG-029
Product Name	Serial ATA

**Physical**

(p)ower-(s)ignal Configuration	15p - 7s
Circuits (Loaded)	22
Durability (mating cycles max)	500
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
Number of Rows	1
Orientation	Vertical
PCB Locator	Yes
PCB Retention	None
Packaging Type	Tray
Pitch - Mating Interface	1.27mm (.050")
Plating min - Mating	0.762µm (30µ")
Plating min - Termination	2.540µm (100µ")
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

**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**

<p><b>EU RoHS</b>  <b>ELV and RoHS</b>  <b>Compliant</b>  <b>REACH SVHC</b>  <b>Contains SVHC: No</b>  <b>Low-Halogen Status</b>  <b>Low-Halogen</b></p>	<p><b>China RoHS</b></p>
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**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](#)

Product Specification  
Sales Drawing

PS-87713-016  
SD-87713-001

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