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**Part Number:** [87781-1001](#)  
**Status:** **Active**  
**Overview:** Serial ATA Host Receptacles  
**Description:** 1.27mm Pitch Serial ATA Host Receptacle, Surface Mount, Vertical, Extended Height, 0.76µm Gold (Au) Selective, 22 Circuits, Lead-Free

**Documents:**

<a href="#">3D Model</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Product Literature (PDF)</a>
<a href="#">Product Specification PS-87781-005 (PDF)</a>	

**General**

Product Family	PCB Receptacles
Series	<a href="#">87781</a>
Application	Board-to-Board, Signal
Overview	<a href="#">Serial ATA Host Receptacles</a>
Product Literature Order No	SNG-029
Product Name	Serial ATA
UPC	822348861309

**Physical**

(p)ower-(s)ignal Configuration	15p - 7s
Circuits (Loaded)	22
Circuits (maximum)	22
Durability (mating cycles max)	500
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Lock to Mating Part	None
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Net Weight	2.086/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	Through Hole and 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**

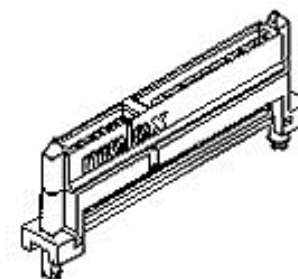


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Series

**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

Not Reviewed

**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**

[87781Series](#)

**Mates With**

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

**Reference - Drawing Numbers**

Product Specification  
Sales Drawing

PS-87781-005  
SD-87781-017

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