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**Part Number:** [0877801001](#)  
**Status:** **Active**  
**Overview:** Serial ATA Host Receptacles  
**Description:** 1.27mm Pitch Serial ATA Host Receptacle, Press-fit, Vertical, Extended Height, 0.76µm Gold (Au) Selective, 22 Circuits, Lead-Free

**Documents:**

<a href="#">3D Model</a>	<a href="#">Packaging Specification PK-87780-100 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-87780-024-001 (PDF)</a>	<a href="#">Product Literature (PDF)</a>

**Agency Certification**

CSA	LR19980
UL	E29179

**General**

Product Family	PCB Receptacles
Series	<a href="#">87780</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	822348861293

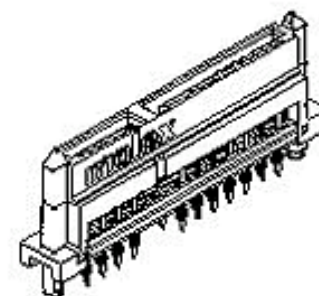
**Physical**

(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
Guide to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Copper
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Net Weight	2.518/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)	Yes
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole

**Electrical**

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

**Solder Process Data**



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/61/2018 (27 June  
2018)

**Halogen-Free**

**Status**

**Low-Halogen**

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

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[87780 Series](#)

**Mates With**

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

Duration at Max. Process Temperature (seconds)	010
Lead-freeProcess Capability	N/A

**Material Info**

**Reference - Drawing Numbers**

Electrical Model Document	EE-87703-001, EE-87703-002
Packaging Specification	PK-87780-100
Product Specification	PS-87780-024-001
S-Parameter Model	SP-87703-001
Sales Drawing	SD-87780-031

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