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**Part Number:** [0877791001](#)  
**Status:** **Active**  
**Overview:** Serial ATA Connectors  
**Description:** 1.27mm Pitch Serial ATA Backplane Receptacle, Through Hole, Vertical, Standard Height, 0.76µm Gold (Au) Selective, 22 Circuits, Lead-Free

**Documents:**

<a href="#">3D Model</a>	<a href="#">Product Specification PS-87779-011-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Packaging Specification PK-87779-100-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

CSA	LR19980
UL	E29179

**General**

Product Family	PCB Receptacles
Series	<a href="#">87779</a>
Application	Board-to-Board, Signal
Electrical Model	Yes
Overview	<a href="#">Serial ATA Connectors</a>
Product Name	Serial ATA
Taxonomy	PCB Headers and Receptacles
UPC	822348731916

**Physical**

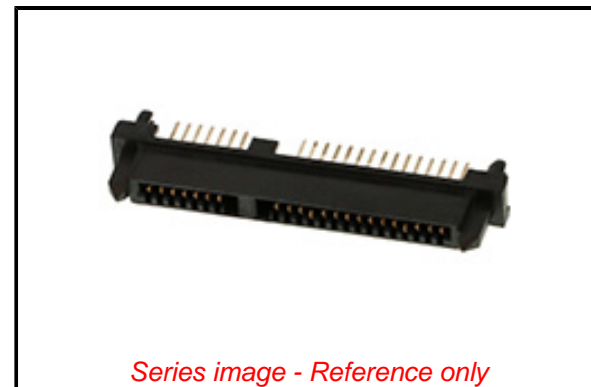
(p)ower-(s)ignal Configuration	15p - 7s
Circuits (Loaded)	22
Circuits (maximum)	22
Durability (mating cycles max)	500
Flammability	94V-0
Glow-Wire Capable	No
Lock to Mating Part	Yes
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Net Weight	1.354/g
Number of Rows	1
Orientation	Vertical
PC Tail Length	3.45mm
PCB Locator	Yes
PCB Retention	None
PCB Thickness - Recommended	0.80mm, 2.50mm
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	Surface Mount

**Electrical**

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

**Solder Process Data**

Duration at Max. Process Temperature (seconds)	010
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**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

**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**

[87779](#) Series

**Mates With**

[87703](#) Serial ATA Combo Plug, [87799](#) Serial ATA Combo Plug

Lead-free Process Capability  
Max. Cycles at Max. Process Temperature  
Process Temperature max. C

SMC&WAVE  
001  
260

**Material Info**

**Reference - Drawing Numbers**

Electrical Model Document  
Packaging Specification  
Product Specification  
S-Parameter Model  
Sales Drawing

EE-87779-001-001, EE-87779-002-001  
PK-87779-100-001  
PS-87779-011-001  
SP-87779-002-001  
SD-87779-020-001

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