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- [Home](#)
- [PCB Receptacles](#)
- [Datasheet](#)

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Part Number:

0877131001

Status:

Active

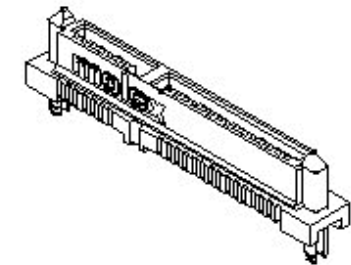
Description:

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: *Note - Please disable browser pop-up blockers for documents on www.molex.com*

[Drawing \(PDF\)](#)

[Product Specification PS-87713-016 \(PDF\)](#)



Series image - Reference only

EU RoHS
ELV and RoHS
Compliant

REACH SVHC
Contains SVHC: No

Halogen-Free
Status
Halogen-Free

China RoHS



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Product Family	PCB Receptacles
Series	87713
Application	Board-to-Board
Comments	3.70mm (.145") Plastic Locating Peg
Product Literature Order No	SNG-029
Product Name	Serial ATA

Physical

Circuits (Loaded)	22
Circuits Detail	Power 15 pins, Signal 7 pins
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 (in)	0.050 In
Pitch - Mating Interface (mm)	1.27 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.54
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(Please review the Product Specification for specific details.)

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

Product Specification	PS-87713-016
Sales Drawing	SD-87713-001

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