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Part Number:

0877131001

Status:

Active

Overview:

Serial ATA Host Receptacles

Description:

1.27mm Pitch Serial ATA Host Receptacle, Surface Mount, Vertical, Standard Height, with 3.70mm Plastic Locating Peg, 0.76µm Gold (Au) Selective Plating, 22 Circuits, Lead-Free

Documents:

3D Model

Drawing (PDF)

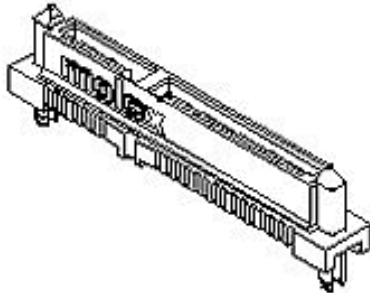
Product Specification PS-87713-016 (PDF)

RoHS Certificate of Compliance (PDF)

Product Literature (PDF)

Agency Certification		
CSA		LR19980
UL		E29179
General		
Product Family		PCB Receptacles
Series		87713
Application		Board-to-Board, Signal
Comments		3.70mm Plastic Locating Peg
Overview		Serial ATA Host Receptacles
Product Literature Order No		SNG-029
Product Name		Serial ATA
UPC		822348699360
Physical		
(p)ower-(s)ignal Configuration		15p - 7s
Circuits (Loaded)		22
Circuits (maximum)		22
Durability (mating cycles max)		500
Flammability		94V-0
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
Net Weight		1.467/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		Surface Mount
Electrical		
Current - Maximum per Contact		1.5A
Voltage - Maximum		30V

Solder Process Data



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Contains SVHC(2014 December 17): No

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com

Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

Green Image

ELV

Not Relevant

Search Parts in this Series

87713 Series

Mates With

87679 , 87799 , 87703

Duration at Max. Process Temperature (seconds)	010
Lead-freeProcess Capability	REFLOW
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260
Material Info	
Reference - Drawing Numbers	
Electrical Model Document	EE-78178-001, EE-78286-001, EE-78328-001, EE-78328-002, EE-87703-003, EE-87713-001
Product Specification	PS-87713-016
S-Parameter Model	SP-87713-001
Sales Drawing	SD-87713-001

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