

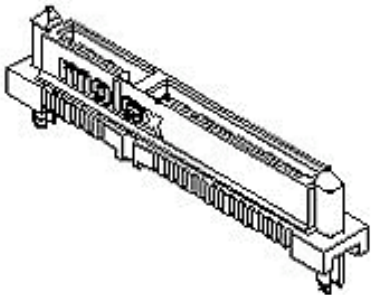
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Part Number: [0877131005](#)
Status: **Active**
Overview: [Serial ATA Host Receptacles](#)
Description: 1.27mm Pitch Serial ATA Host Receptacle, Surface Mount, Vertical, Standard Height, with 1.05mm Plastic Locating Peg, 0.76µm Gold (Au) Selective Plating, without Kapton Tape, Tray Packaging, 22 Circuits, Lead-Free

Documents:
[3D Model](#) [Packaging Specification PK-87713-100 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-87713-016-001 \(PDF\)](#) [Product Literature \(PDF\)](#)

Agency Certification	
CSA	LR19980
UL	E29179
General	
Product Family	PCB Receptacles
Series	87713
Application	Board-to-Board, Signal
Comments	1.05mm Plastic Locating Peg
Overview	Serial ATA Host Receptacles
Product Literature Order No	SNG-029
Product Name	Serial ATA
UPC	822348731756
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 - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	1.486/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° 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 REACH SVHC Not Contained Per - ED/61/2018 (27 June 2018) 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 China ROHS ELV RoHS Phthalates
	Green Image Not Relevant Not Contained

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-78328-001, EE-78328-002, EE-87703-003, EE-87713-001
Packaging Specification	PK-87713-100
Product Specification	PS-87713-016-001
S-Parameter Model	SP-87713-001
Sales Drawing	SD-87713-029

This document was generated on 08/14/2018

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