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Part Number:

87781-1001

Status:

Active

Overview:

Serial ATA Host Receptacles

Description:

1.27mm Pitch Serial ATA Host Receptacle, Surface Mount, Vertical, Extended Height, 0.76µm Gold (Au) Selective, 22 Circuits, Lead-Free

Documents:

3D Model

Drawing (PDF)

Product Specification PS-87781-005 (PDF)

RoHS Certificate of Compliance (PDF)

Product Literature (PDF)

General	
Product Family	PCB Receptacles
Series	87781
Application	Board-to-Board, Signal
Overview	Serial ATA Host Receptacles
Product Literature Order No	SNG-029
Product Name	Serial ATA
UPC	822348861309

Physical	
(p)ower-(s)ignal Configuration	15p - 7s
Circuits (Loaded)	22
Circuits (maximum)	22
Durability (mating cycles max)	500
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Lock to Mating Part	None
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Net Weight	2.086/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	Through Hole and Surface Mount

Electrical	
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

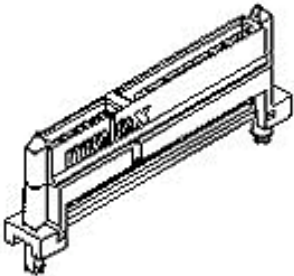


image - Reference only

Series

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Low-Halogen Status

Low-Halogen

China RoHS

Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

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

Search Parts in this Series
87781Series

Mates With
87679 , 87799 , 87703

Reference - Drawing Numbers

Product Specification
Sales Drawing

PS-87781-005
SD-87781-017

This document was generated on 09/11/2013

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