

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [87780-1001](#)
Status: **Active**
Overview: [Serial ATA Host Receptacles](#)
Description: 1.27mm Pitch Serial ATA Host Receptacle, Press-fit, Vertical, Extended Height, 0.76µm Gold (Au) Selective, 22 Circuits, Lead-Free

Documents:

3D Model	RoHS Certificate of Compliance (PDF)
Drawing (PDF)	Product Literature (PDF)
Product Specification PS-87780-024 (PDF)	

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Receptacles
Series	87780
Application	Board-to-Board, Signal
Overview	Serial ATA Host Receptacles
Product Literature Order No	SNG-029
Product Name	Serial ATA
UPC	822348861293

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
Guide to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Copper
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Net Weight	2.518/g
Number of Rows	2
Orientation	Vertical
PC Tail Length	3.45mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.52mm, 2.03mm
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°C to +105°C
Termination Interface: Style	Through Hole

Electrical

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

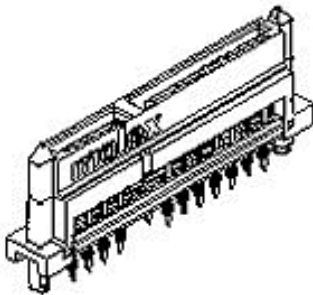


image - Reference only

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

[87780Series](#)

Mates With

[87679](#) , [87799](#) , [87703](#)

Solder Process Data

Duration at Max. Process Temperature (seconds) 10

Material Info

Reference - Drawing Numbers

Electrical Model Document	EE-87703-001, EE-87703-002
Product Specification	PS-87780-024
Sales Drawing	SD-87780-031

This document was generated on 06/30/2014

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex:](#)

[87780-1001](#)