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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

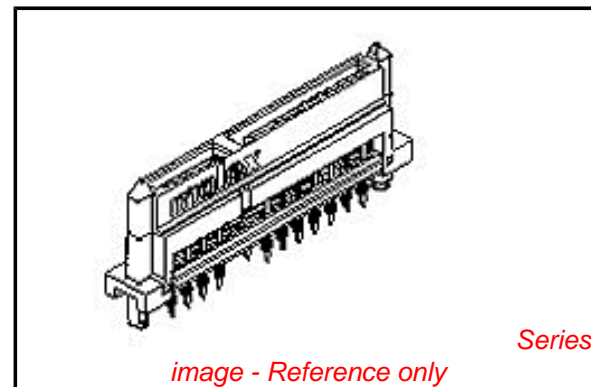
Product Family PCB Receptacles
 Series [87780](#)
 Application Board-to-Board, Signal
 Overview [Serial ATA Host Receptacles](#)
 Product Literature Order No SNG-029
 Product Name Serial ATA
 UPC 822348861293

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



EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

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

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