

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0877801001](#)
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	Product Specification PS-87780-024-001 (PDF)
3D Model (PDF)	Packaging Specification PK-87780-100 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (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 Name	Serial ATA
UPC	822348861293

Physical

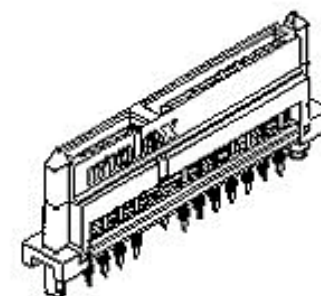
(p)ower-(s)ignal Configuration	15p - 7s
Circuits (Loaded)	22
Circuits (maximum)	22
Durability (mating cycles max)	500
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Copper
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Net 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° to +105°C
Termination Interface: Style	Through Hole

Electrical

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

Solder Process Data

Duration at Max. Process Temperature (seconds)	010
--	-----



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
ECHA_01_2020 (16
January 2020

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[87780 Series](#)

Mates With

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

Lead-freeProcess Capability

N/A

Material Info

Reference - Drawing Numbers

Electrical Model Document

EE-87703-001, EE-87703-002

Packaging Specification

PK-87780-100

Product Specification

PS-87780-024-001

S-Parameter Model

SP-87703-001

Sales Drawing

SD-87780-031

This document was generated on 04/27/2020

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION