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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	Packaging Specification PK-87780-100 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-87780-024-001 (PDF)	Product Literature (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

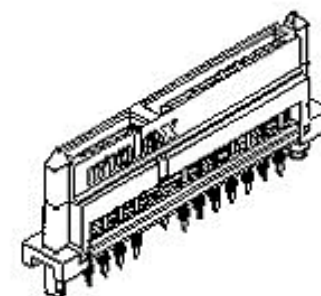
Physical

(p)ower-(s)ignal Configuration	15p - 7s
Circuits (Loaded)	22
Circuits (maximum)	22
Durability (mating cycles max)	500
Flammability	94V-0
Glow-Wire 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°C to +105°C
Termination Interface: Style	Through Hole

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/01/2018 (15
January 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	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

[87780](#) Series

Mates With

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

Duration at Max. Process Temperature (seconds)	010
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

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