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Part Number: [87678-1001](#)
Status: **Active**
Overview: [Micro Serial ATA Connectors](#)
Description: 1.27mm Pitch Serial ATA Backplane Receptacle, Through Hole, Vertical, Extended Height, 0.76µm Gold (Au) Selective, 22 Circuits, Lead-Free

Documents:

- [3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-87678-029 \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)
[Product Literature \(PDF\)](#)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Receptacles
Series	87678
Application	Board-to-Board, Signal
Overview	Micro Serial ATA Connectors
Product Literature Order No	SNG-029
Product Name	Serial ATA
UPC	822348693399

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	1.897/g
Number of Rows	1
Orientation	Vertical
PC Tail Length	3.45mm
PCB Locator	Yes
PCB Retention	None
PCB Thickness - Recommended	0.80mm, 2.50mm
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 - Compliant Pin

Electrical

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

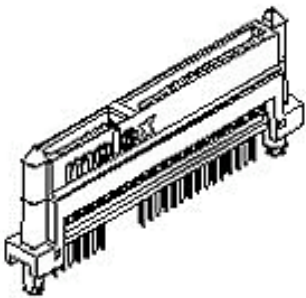


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Series

EU RoHS

**ELV and RoHS
Compliant**

REACH SVHC

Not Reviewed

Low-Halogen Status

Low-Halogen

China RoHS



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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

87678Series

Mates With

87679 , 87799 , 87703

Solder Process Data

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	SMC & Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Electrical Model Document	EE-87678-001
Product Specification	PS-87678-029
Sales Drawing	SD-87678-023

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