



Part Number : 877011001

Product Description : 1.27mm Pitch Serial ATA Host Receptacle, Press-fit, Vertical, Standard Height, 0.76µm Gold (Au) Selective, 22 Circuits, Lead-Free

Series Number : 87701

Status : Active

Product Category : PCB Headers and Receptacles

Documents & Resources

Drawings

Drawing 877011001_sd.pdf
Application Tooling Drawing 2002142327-000.pdf

3D Models and Design Files

3D Model 877011001_stp.zip
Application Tooling Model 2002142327-000.zip
Electrical Model Document EE-87701-001-001.pdf

Specifications


Product Specification PS-87701-033-001.pdf

Tooling Specifications

Application Tooling Specification 2002142327-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 2024)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	87701
Description	1.27mm Pitch Serial ATA Host Receptacle, Press-fit, Vertical, Standard Height, 0.76µm Gold (Au) Selective, 22 Circuits, Lead-Free
Application	Board-to-Board, Signal
Component Type	PCB Receptacle
Product Family	Serial ATA Connectors
Product Name	Serial ATA
UPC	822348698981

Agency

CSA	LR19980
UL	E29179

Electrical

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

Physical

Circuits (Loaded)	22
Circuits (maximum)	22
Durability (mating cycles max)	500
Flammability	94V-0
Glow-Wire Capable	No

Lock to Mating Part	Yes
Material - Metal	Copper
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Net Weight	1.535/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	3.45mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.52mm, 2.03mm
Pitch - Mating Interface	1.27mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
(p)ower-(s)ignal Configuration	15p - 7s
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

Solder Process Data

Lead-Free Process Capability	N/A
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