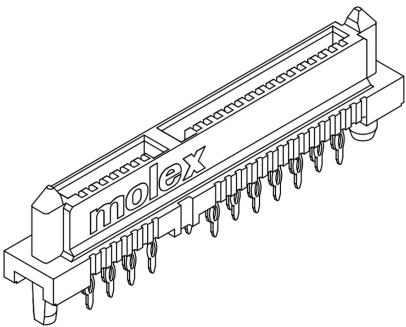




**Part Number :** [877011001](#)  
**Product Description :** 1.27mm Pitch Serial ATA  
Host Receptacle, Press-fit, Vertical, Standard  
Height, 0.76µm Gold (Au) Selective, 22  
Circuits, Lead-Free  
**Series Number :** 87701  
**Status :** Active  
**Product Category :** PCB Headers and  
Receptacles



## 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)3788-DC (14 Jun 2023)
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
------------------------------	-----