

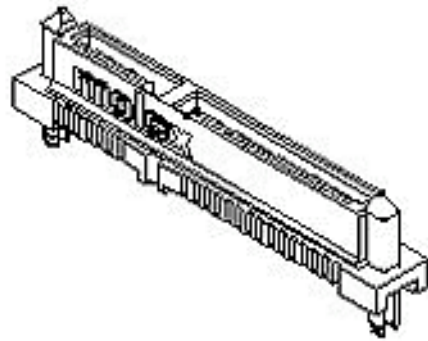
Part Number : [877131001](#)

Product Description : 1.27mm Pitch Serial ATA Host Receptacle, Surface Mount, Vertical, Standard Height, with 3.70mm Plastic Locating Peg, 0.76µm Gold (Au) Selective Plating, 22 Circuits, Lead-Free

Series Number : 87713

Status : Active

Product Category : PCB Headers and Receptacles



Documents & Resources

Drawings

[Drawing 877131001_sd.pdf](#)

[Packaging Design Drawing PK-87713-100-001.pdf](#)

3D Models and Design Files

[3D Model 877131001_stp.zip](#)

[Electrical Model Document EE-78178-001-001.pdf](#)

[Electrical Model Document EE-78328-001-001.pdf](#)

[Electrical Model Document EE-78328-002-001.pdf](#)

[Electrical Model Document EE-87703-003-001.pdf](#)

[Electrical Model Document EE-87713-001-001.pdf](#)


[S-Parameter Model SP-87713-001-001.zip](#)

Specifications

[Product Specification PS-87713-016-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
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	87713
Description	1.27mm Pitch Serial ATA Host Receptacle, Surface Mount, Vertical, Standard Height, with 3.70mm Plastic Locating Peg, 0.76µm Gold (Au) Selective Plating, 22 Circuits, Lead-Free
Application	Board-to-Board, Signal
Comments	3.70mm Plastic Locating Peg
Component Type	PCB Receptacle
Product Family	Serial ATA Connectors
Product Name	Serial ATA
UPC	822348699360

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 Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	1.467/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Tray
PCB Locator	Yes
PCB Retention	None
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	Surface Mount

Solder Process Data

Max-Duration	10
Lead-Free Process Capability	REFLOW
Max-Cycle	1
Max-Temp	260