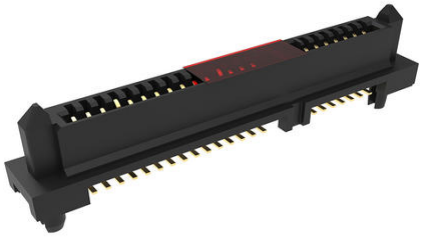
Part Number : 877131001
Product Description : 1.27mm Pitch Serial ATA Host Receptacle, Surface Mount, Vertical, Standard Height, with 3.70mm Plastic Locating Peg, 0.76µm Gold (Au) Selective Plating, 22 Circuits, Lead-Free
Series Number : 87713
Status : Not Recommended For New Design
Product Category : PCB Headers and Receptacles



Documents and Resources

Drawings

877131001_sd.pdf

PK-87713-100-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

EE-78178-001-001.pdf

EE-78328-001-001.pdf

EE-78328-002-001.pdf

EE-87703-003-001.pdf

EE-87713-001-001.pdf

SP-87713-001-001.zip

Specifications

PS-87713-016-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant

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Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

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

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Not Recommended For New Design
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
Comments	3.70mm Plastic Locating Peg
Component Type	PCB Receptacle
Product Name	Serial ATA
UPC	822348699360

Agency

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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
First Mate / Last Break	No
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	No
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

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

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