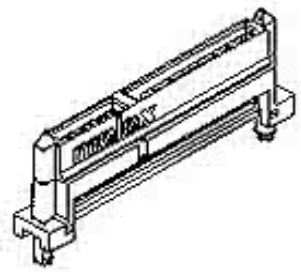
Part Number : 877811001
Product Description : 1.27mm Pitch Serial ATA Host Receptacle, Surface Mount, Vertical, Extended Height, 0.76µm Gold (Au) Selective, 22 Circuits, Lead-Free
Series Number : 87781
Status : Active
Product Category : PCB Headers and Receptacles



Documents and Resources

Drawings

877811001_sd.pdf

PK-87781-100-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

PS-87781-005-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
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

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- 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	Active
Category	PCB Headers and Receptacles
Series	87781
Description	1.27mm Pitch Serial ATA Host Receptacle, Surface Mount, Vertical, Extended Height, 0.76µm Gold (Au) Selective, 22 Circuits, Lead-Free
Application	Board-to-Board, Signal
Component Type	PCB Receptacle
Product Name	Serial ATA
UPC	822348861309

Electrical

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

Physical

Circuits (Loaded)	22
Circuits (maximum)	22
Durability (mating cycles max)	500

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First Mate / Last Break	No
Glow-Wire Capable	No
Guide to Mating Part	Yes
Lock to Mating Part	No
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Net Weight	2.086/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	Through Hole and Surface Mount

Solder Process Data

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

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