Part Number : 877520314
Product Description : 2.00mm Pitch Milli-Grid Header, Vertical, Through Hole, Breakaway, 3 Circuits, 2.50µm Tin (Sn) Plating, Mating Pin Length 3.70mm, Tail Length 3.00mm, Lead-Free
Series Number : 87752
Status : Active
Product Category : PCB Headers and Receptacles



Documents and Resources

Drawings

877520314_sd.pdf

PK-89990-487-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

503940001-AS-000.pdf

PS-87761-100-001.pdf

877610000-TS-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 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

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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	Active
Category	PCB Headers and Receptacles
Series	87752
Description	2.00mm Pitch Milli-Grid Header, Vertical, Through Hole, Breakaway, 3 Circuits, 2.50µm Tin (Sn) Plating, Mating Pin Length 3.70mm, Tail Length 3.00mm, Lead-Free
Application	Board-to-Board, Wire-to-Board
Comments	Irregular circuit cutoff within breakaway section permissible. Cutting or chipping of main body unacceptable.
Component Type	PCB Header
Product Name	Milli-Grid
UPC	800756789576

Agency

UL	E29179

Electrical

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Current - Maximum per Contact	2.0A
Voltage - Maximum	125V

Physical

Breakaway	Yes
Circuits (Loaded)	3
Circuits (maximum)	3
Color - Resin	Black
First Mate / Last Break	No
Flammability	94V-0
Gender	Male
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	No
Lock to Mating Part	No
Mated Height	3.70mm
Material - Metal	Copper Alloy
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Mounting Style	Through Hole
Net Weight	0.084/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Tray
PCB Locator	No
PCB Retention	No
PCB Thickness - Recommended	1.60mm
PC Tail Length	3.00mm
Pitch - Mating Interface	2.00mm
Pitch - Termination Interface	2.00mm
Plating min - Mating	2.540µm
Plating min - Termination	2.540µm
Polarized to Mating Part	No
Polarized to PCB	No

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Shrouded	Unshrouded
Stackable	No
Temperature Range - Operating	-55° to +105°C
Termination Interface Style	Through Hole

Solder Process Data

Max-Duration	10
Lead-Free Process Capability	WAVE
Max-Cycle	3
Max-Temp	260

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