Part Number : 873810818
Product Description : 2.00mm Pitch Milli-Grid Receptacle, Surface Mount, Top Entry, 0.38µm Gold (Au) Plating, with Locating Pegs, 8 Circuits, Lead-Free, Tube
Series Number : 87381
Status : Active
Product Category : PCB Headers and Receptacles



Documents and Resources

Drawings

873810818_sd.pdf

PK-87368-0001-001.pdf

873810001-PK-000.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

503940001-AS-000.pdf

PS-87380-002-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Not 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	87381
Description	2.00mm Pitch Milli-Grid Receptacle, Surface Mount, Top Entry, 0.38µm Gold (Au) Plating, with Locating Pegs, 8 Circuits, Lead-Free, Tube
Application	Board-to-Board
Component Type	PCB Receptacle
Product Name	Milli-Grid
UPC	822348641147

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	1.9A
Voltage - Maximum	125V

Physical

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Circuits (Loaded)	8
Circuits (maximum)	8
Color - Resin	Black
Durability (mating cycles max)	25
First Mate / Last Break	No
Flammability	94V-0
Gender	Female
Glow-Wire Capable	No
Lock to Mating Part	No
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	0.180/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Tube
PCB Locator	Yes
PCB Retention	Yes
Pitch - Mating Interface	2.00mm
Pitch - Termination Interface	2.00mm
Plating min - Mating	0.381µm
Plating min - Termination	1.270µm
Polarized to PCB	No
Stackable	Yes
Temperature Range - Operating	-55° to +105°C
Termination Interface Style	Surface Mount

Solder Process Data

Max-Duration	12
Lead-Free Process Capability	REFLOW
Max-Cycle	1
Max-Temp	260

Mates With / Use With

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Mates with Part(s)

Description	Part Number
Milli-Grid Vertical Through Hole Headers	87758
Milli-Grid Vertical Surface Mount Headers	87759
Milli-Grid Right-Angle Through Hole Headers	87760
Milli-Grid Vertical, Dual Row, Through Hole Headers	87831
Milli-Grid Vertical, Dual Row, Surface Mount Headers	87832

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