



Part Number : [873811838](#)

Product Description : 2.00mm Pitch Milli-Grid
Receptacle, Surface Mount, Top Entry, 0.051µm Gold
(Au) Plating, with Locating Pegs, 18 Circuits, Lead-Free,
Tube

Series Number : 87381

Status : Active

Product Category : PCB Headers and Receptacles



Documents and Resources

Drawings

[873811838_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	Compliant with Exemption 44; 34; 33
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)6375-

	DC (05 Nov 2025)
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	Active
Category	PCB Headers and Receptacles
Series	87381
Description	2.00mm Pitch Milli-Grid Receptacle, Surface Mount, Top Entry, 0.051µm Gold (Au) Plating, with Locating Pegs, 18 Circuits, Lead-Free, Tube
Application	Board-to-Board, Signal
Component Type	PCB Receptacle
Product Name	Milli-Grid
UPC	884982768352

Agency

CSA	LR19980
UL	E29179

Electrical

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

Physical

Circuits (Loaded)	18
Circuits (maximum)	18
Color - Resin	Black
Durability (mating cycles max)	25
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Capable	No
Lock to Mating Part	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	0.444/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	0.051µm
Plating min - Termination	1.905µm
Polarized to PCB	No
Stackable	Yes
Temperature Range - Operating	-55° to +105°C
Termination Interface Style	Surface Mount

Solder Process Data

Max-Duration	14
Lead-Free Process Capability	REFLOW
Max-Cycle	1

Max-Temp	265
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Mates With / Use With

Mates with Part(s)

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