



Part Number : [791091024](#)

Product Description : Milli-Grid Receptacle, Surface Mount, Vertical, Top/Bottom Entry, without Press-fit Plastic Pegs, without Cap, Tube, 0.38µm Gold (Au) Selective, 50 Circuits, Lead-Free

Series Number : 79109

Status : Active

Product Category : PCB Headers and Receptacles

Documents & Resources

Drawings

[791091024 sd.pdf](#)

[PK-70873-0217-001.pdf](#)

[PK-70873-0259-001.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)


Specifications

[503940001-AS-000.pdf](#)

[PS-79107-001.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)4165-DC (25 June 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 | 79109 |
| Description | Milli-Grid Receptacle, Surface Mount, Vertical, Top/Bottom Entry, without Press-fit Plastic Pegs, without Cap, Tube, 0.38µm Gold (Au) Selective, 50 Circuits, Lead-Free |
| Application | Board-to-Board, Signal |
| Component Type | PCB Receptacle |
| Product Name | Milli-Grid |
| UPC | 822348490448 |

Agency

| | |
|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

Electrical

| | |
|-------------------------------|------|
| Current - Maximum per Contact | 1.0A |
| Voltage - Maximum | 125V |

Physical

| | |
|--------------------------------|--------------------------------|
| Circuits (Loaded) | 50 |
| Circuits (maximum) | 50 |
| Color - Resin | Black |
| Durability (mating cycles max) | 50 |
| 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 | 1.364/g |
| Number of Rows | 2 |
| Orientation | Vertical |
| Packaging Type | Tube |
| PCB Locator | No |
| PCB Retention | None |
| Pitch - Mating Interface | 2.00mm |
| Plating min - Mating | 0.381µm |
| Plating min - Termination | 1.905µm |
| Polarized to PCB | No |
| Temperature Range - Operating | -55° to +105°C |
| Termination Interface Style | Surface Mount |

Solder Process Data

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

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> |
| Milli-Grid Right-Angle Dual Row Through Hole Headers | <u>87833</u> |
| Milli-Grid Vertical, Dual Row, Through Hole Headers | <u>151117</u> |
| Milli-Grid Vertical, Dual Row, Surface Mount Headers | <u>151118</u> |
| Milli-Grid Right-Angle, Dual Row, Through Hole Headers | <u>151119</u> |
| Milli-Grid Right-Angle, Dual Row, Surface Mount Headers | <u>151120</u> |