**Part Number :** 791098459
**Product Description :** Milli-Grid Receptacle, Surface Mount, Vertical, Top/Bottom Entry, without Press-fit Plastic Pegs, with Cap, Embossed Tape on Reel, 0.75µm Gold (Au) Selective, 20 Circuits, Lead-Free
**Series Number :** 79109
**Status :** Active
**Product Category :** PCB Headers and Receptacles



## Documents & Resources

### Drawings

791098459_sd.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 |
| 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(2024)7663-DC (21 Jan 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

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## 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, with Cap, Embossed Tape on Reel, 0.75µm Gold (Au) Selective, 20 Circuits, Lead-Free |
| Application | Board-to-Board, Signal |
| Component Type | PCB Receptacle |
| Product Name | Milli-Grid |
| UPC | 822348492572 |

### Agency

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

### Electrical

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

### Physical

| | |
|---|---|
| Circuits (Loaded) | 20 |
| Circuits (maximum) | 20 |
| Color - Resin | Black |
| Durability (mating cycles max) | 50 |
| 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 | 0.531/g |
| Number of Rows | 2 |
| Orientation | Vertical |
| Packaging Type | Embossed Tape on Reel |
| PCB Locator | No |
| PCB Retention | None |
| Pitch - Mating Interface | 2.00mm |
| Plating min - Mating | 0.762µm |
| 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 |

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## Mates With / Use With

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