



**Part Number :** [791098419](#)  
**Product Description :** Milli-Grid Receptacle, Surface Mount, Vertical, Top/Bottom Entry, without Press-fit Plastic Pegs, with Cap, Embossed Tape on Reel, 0.38µm Gold (Au) Selective, 40 Circuits, Lead-Free  
**Series Number :** 79109  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles

Documents & Resources

Drawings

[791098419 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; 34; 33                                                                          |
| China RoHS         | <br>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

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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, 0.38µm Gold (Au) Selective, 40 Circuits, Lead-Free |
| Application    | Board-to-Board, Signal                                                                                                                                                                |
| Component Type | PCB Receptacle                                                                                                                                                                        |
| Product Name   | Milli-Grid                                                                                                                                                                            |
| UPC            | 822348492435                                                                                                                                                                          |

### Agency

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

### Electrical

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

## Physical

|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 40                             |
| Circuits (maximum)             | 40                             |
| 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                     | 1.091/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           | 0.381µm                        |
| 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    |

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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>  |
| 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> |