



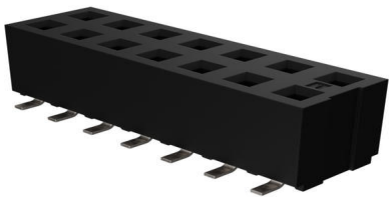
**Part Number :** [787881422](#)

**Product Description :** Milli-Grid Receptacle, Surface Mount, Vertical, Top Entry, without Plastic Pegs, without Cap, Tape and Reel, 2.50µm Tin (Sn) Plating, 14 Circuits, Lead-Free

**Series Number :** 78788

**Status :** Active

**Product Category :** PCB Headers and Receptacles



## Documents and Resources

### Drawings

[787881422 sd.pdf](#)

[PK-78788-002-001.pdf](#)

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

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

### Specifications

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

[PS-78788-001-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                         |
|--------------------|-----------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44; 33                                                         |
| China RoHS         |  per |
| EU ELV             | Compliant per                                                                           |
| Low-Halogen Status | Not Relevant                                                                            |
| REACH SVHC         | Not Contained per D(2025)7771-DC (04 Feb 2026)                                          |
| 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         | 78788                                                                                                                                                        |
| Description    | Milli-Grid Receptacle, Surface Mount, Vertical, Top Entry, without Plastic Pegs, without Cap, Tape and Reel, 2.50µm Tin (Sn) Plating, 14 Circuits, Lead-Free |
| Application    | Board-to-Board, Signal                                                                                                                                       |
| Component Type | PCB Receptacle                                                                                                                                               |
| Product Name   | Milli-Grid                                                                                                                                                   |
| UPC            | 889056509145                                                                                                                                                 |

### Agency

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

### Electrical

|                               |                  |
|-------------------------------|------------------|
| Current - Maximum per Contact | 1.0A             |
| Voltage - Maximum             | 125V AC (RMS)/DC |

### Physical

|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 14                             |
| Circuits (maximum)             | 14                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 30                             |
| First Mate / Last Break        | No                             |
| Flammability                   | 94V-0                          |
| Glow-Wire Capable              | No                             |
| Lock to Mating Part            | None                           |
| Material - Metal               | Copper Alloy                   |
| Material - Plating Mating      | Tin                            |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 0.395/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           | 2.500µm                        |
| Plating min - Termination      | 2.500µm                        |
| Polarized to Mating Part       | No                             |
| Polarized to PCB               | No                             |
| Robotic Placement              | None                           |
| 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> |