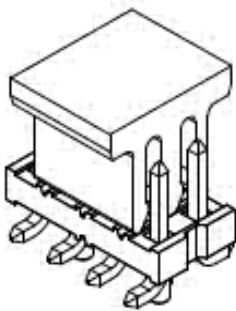




**Part Number :** [877591064](#)  
**Product Description :** Milli-Grid Header, Surface Mount, Vertical, 10 Circuits, 0.38µm Gold (Au) Selective Plating, without Press-fit Plastic Pegs, Pick-and-Place Cap, Tube Packaging, Lead-Free  
**Series Number :** 87759  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents & Resources

### Drawings

[877591064 sd.pdf](#)  
[PK-89990-476-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)  
[SOLIDWORKS](#)  
[Creo](#)  
[Symbol and Footprint \(Multi-Format\)](#)

### Specifications

[503940001-AS-000.pdf](#)  
[PS-87761-100-001.pdf](#)  
[877610000-TS-000.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 | Not 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         | 87759                                                                                                                                                                      |
| Description    | Milli-Grid Header, Surface Mount, Vertical, 10 Circuits, 0.38µm Gold (Au) Selective Plating, without Press-fit Plastic Pegs, Pick-and-Place Cap, Tube Packaging, Lead-Free |
| Application    | Board-to-Board, Signal                                                                                                                                                     |
| Component Type | PCB Header                                                                                                                                                                 |
| Product Name   | Milli-Grid                                                                                                                                                                 |
| UPC            | 822348283460                                                                                                                                                               |

### Agency

|    |        |
|----|--------|
| UL | E29179 |
|----|--------|

### Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 2.0A |
| Voltage - Maximum             | 125V |

## Physical

|                                |                    |
|--------------------------------|--------------------|
| Breakaway                      | Yes                |
| Circuits (Loaded)              | 10                 |
| Circuits (maximum)             | 10                 |
| Color - Resin                  | Black              |
| Durability (mating cycles max) | 100                |
| First Mate / Last Break        | No                 |
| Flammability                   | 94V-0              |
| Glow-Wire Capable              | No                 |
| Guide to Mating Part           | No                 |
| Keying to Mating Part          | None               |
| Lock to Mating Part            | None               |
| Mated Height                   | 3.80mm             |
| Material - Metal               | Phosphor Bronze    |
| Material - Plating Mating      | Gold               |
| Material - Plating Termination | Tin                |
| Material - Resin               | Nylon              |
| Net Weight                     | 0.244/g            |
| Number of Rows                 | 2                  |
| Orientation                    | Vertical           |
| Packaging Type                 | Tube               |
| PCB Locator                    | No                 |
| PCB Retention                  | None               |
| Pitch - Mating Interface       | 2.00mm             |
| Pitch - Termination Interface  | 2.00mm             |
| Plating min - Mating           | 0.381µm            |
| Polarized to Mating Part       | No                 |
| Polarized to PCB               | No                 |
| Robotic Placement              | Pick and Place Cap |
| Shrouded                       | No                 |
| Stackable                      | 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                    | 3      |
| Max-Temp                     | 260    |

---

## Mates With / Use With

### Mates with Part(s)

| Description                                               | Part Number  |
|-----------------------------------------------------------|--------------|
| Milli-Grid Dual Row Receptacle Housings                   | <u>51110</u> |
| Milli-Grid Vertical Through Hole PCB Receptacles          | <u>78787</u> |
| Milli-Grid Top Entry Surface Mount PCB Receptacles        | <u>78788</u> |
| Milli-Grid Vertical Through Hole PCB Receptacles          | <u>79107</u> |
| Milli-Grid Vertical Through Hole PCB Receptacles          | <u>79108</u> |
| Milli-Grid Top/Bottom Entry Surface Mount PCB Receptacles | <u>79109</u> |
| Milli-Grid Top Entry Surface Mount PCB Receptacles        | <u>87381</u> |