



**Part Number :** [875681073](#)  
**Product Description :** Milli-Grid Cable-to-Board Receptacle, Dual Row, IDT, Lead-Free, 10 Circuits, 0.38µm Gold (Au) Selective Plating, without Center Polarization Key, with Locking Friction Ramp  
**Series Number :** 87568  
**Status :** Active  
**Product Category :** Connector Housings



## Documents & Resources

### Drawings

[875681073 sd.pdf](#)  
[PK-87568-0001-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)  
[SOLIDWORKS](#)  
[Creo](#)

### Specifications

[503940002-AS-000.pdf](#)  
[PS-87568-004-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                                           |
|--------------------|-----------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44; 34; 33                                                                       |
| China RoHS         |  per SJ/T 11365-2006 |
| EU ELV             | Compliant per 2000/53/EC                                                                                  |
| 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

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## Part Details

### General

|              |                                                                                                                                                                              |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status       | Active                                                                                                                                                                       |
| Category     | Connector Housings                                                                                                                                                           |
| Series       | 87568                                                                                                                                                                        |
| Description  | Milli-Grid Cable-to-Board Receptacle, Dual Row, IDT, Lead-Free, 10 Circuits, 0.38µm Gold (Au) Selective Plating, without Center Polarization Key, with Locking Friction Ramp |
| Product Name | Milli-Grid                                                                                                                                                                   |
| UPC          | 822348456376                                                                                                                                                                 |

### Agency

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

### Electrical

|                   |      |
|-------------------|------|
| Voltage - Maximum | 125V |
|-------------------|------|

### Physical

|                   |    |
|-------------------|----|
| Circuits (Loaded) | 10 |
|-------------------|----|

|                                |                |
|--------------------------------|----------------|
| Circuits (maximum)             | 10             |
| Color - Resin                  | Black          |
| Durability (mating cycles max) | 100            |
| Flammability                   | 94V-0          |
| Gender                         | Female         |
| Glow-Wire Capable              | No             |
| Lock to Mating Part            | Yes            |
| Material - Metal               | Copper Alloy   |
| Material - Plating Mating      | Gold           |
| Material - Resin               | Polyester      |
| Net Weight                     | 0.723/g        |
| Number of Rows                 | 2              |
| Packaging Type                 | Tray           |
| Panel Mount                    | No             |
| Pitch - Mating Interface       | 2.00mm         |
| Polarized to Mating Part       | Yes            |
| Stackable                      | No             |
| Temperature Range - Operating  | -45° to +105°C |
| Termination Interface Style    | IDT or Pierce  |
| Wire Size (AWG)                | 28             |

### Solder Process Data

|                              |     |
|------------------------------|-----|
| Lead-Free Process Capability | N/A |
|------------------------------|-----|

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### Mates With / Use With

#### Mates with Part(s)

| Description                                          | Part Number                  |
|------------------------------------------------------|------------------------------|
| Milli-Grid Vertical, Dual Row, Through Hole Headers  | <a href="#"><u>87831</u></a> |
| Milli-Grid Vertical, Dual Row, Surface Mount Headers | <a href="#"><u>87832</u></a> |
| Milli-Grid Right-Angle Dual Row Through Hole Headers | <a href="#"><u>87833</u></a> |

#### Use with Part(s)

| Description                                        | Part Number      |
|----------------------------------------------------|------------------|
| 2.00mm Strain Relief for Dual Row IDT, 10 Circuits | <u>875691010</u> |

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# Application Tooling

## Global

| Description                                 | Part Number      |
|---------------------------------------------|------------------|
| IDT - Manual - Handtool                     | <u>621002000</u> |
| Manual Press with IDT Ribbon Cable Tool Kit | <u>621002200</u> |
| IDT Ribbon Cable Adapter Kit for 2.00mm     | <u>621002400</u> |
| IDT - Manual - Tool Kit                     | <u>621003200</u> |