



Part Number : [875681663](#)

Product Description : Milli-Grid Cable-to-Board Receptacle, Dual Row, IDT, Lead-Free, 16 Circuits, 0.38µm Gold (Au) Selective Plating, without Center Polarization Key and Locking Friction Ramp

Series Number : 87568

Status : Active

Product Category : Connector Housings



Documents & Resources

Drawings

[875681663 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 | 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 | Connector Housings |
| Series | 87568 |
| Description | Milli-Grid Cable-to-Board Receptacle, Dual Row, IDT, Lead-Free, 16 Circuits, 0.38µm Gold (Au) Selective Plating, without Center Polarization Key and Locking Friction Ramp |
| Product Name | Milli-Grid |
| UPC | 822348457632 |

Agency

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

Electrical

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

Physical

| | |
|-------------------|----|
| Circuits (Loaded) | 16 |
|-------------------|----|

| | |
|--------------------------------|----------------|
| Circuits (maximum) | 16 |
| Color - Resin | Black |
| Durability (mating cycles max) | 100 |
| Flammability | 94V-0 |
| Gender | Female |
| Glow-Wire Capable | No |
| Lock to Mating Part | None |
| Material - Metal | Copper Alloy |
| Material - Plating Mating | Gold |
| Material - Resin | Polyester |
| Net Weight | 0.975/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 |
|------------------------------|-----|

Mates With / Use With

Mates with Part(s)

| Description | Part Number |
|--|------------------------------|
| 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> |

Use with Part(s)

| Description | Part Number |
|--|------------------|
| 2.00mm Strain Relief for Dual Row IDT, 16 Circuits | <u>875691016</u> |

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> |