



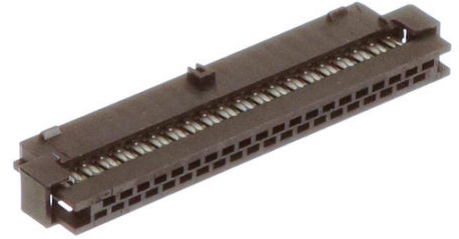
**Part Number :** [875684093](#)

**Product Description :** Milli-Grid Cable-to-Board Receptacle, Dual Row, IDT, Lead-Free, 40 Circuits, 0.38µm Gold (Au) Selective Plating, with Center Polarization Key and Locking Friction Ramp

**Series Number :** 87568

**Status :** Active

**Product Category :** Connector Housings



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## Documents & Resources

### Drawings

[875684093 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](#)

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## 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

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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, 40 Circuits, 0.38µm Gold (Au) Selective Plating, with Center Polarization Key and Locking Friction Ramp
Product Name	Milli-Grid
UPC	822348458233

### Agency

CSA	LR19980
UL	E29179

### Electrical

Voltage - Maximum	125V
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### Physical

Circuits (Loaded)	40
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Circuits (maximum)	40
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	2.300/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, 40 Circuits	<u>875691040</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>

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