



Part Number : [875684494](#)
Product Description : Milli-Grid Cable-to-Board
Receptacle, Dual Row, IDT, Lead-Free, 44 Circuits,
0.76µm Gold (Au) Selective Plating, with Center
Polarization Key and Locking Friction Ramp
Series Number : 87568
Status : Active
Product Category : Connector Housings



Documents & Resources

Drawings

[875684494 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	Not Relevant
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, 44 Circuits, 0.76µm Gold (Au) Selective Plating, with Center Polarization Key and Locking Friction Ramp
Product Name	Milli-Grid
UPC	822348458325

Agency

CSA	LR19980
UL	E29179

Electrical

Voltage - Maximum	125V
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Physical

Circuits (Loaded)	44
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Circuits (maximum)	44
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	2.502/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	<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, 44 Circuits	<u>875691044</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>