



Part Number : [875681494](#)

Product Description : Milli-Grid Cable-to-Board Receptacle, Dual Row, IDT, Lead-Free, 14 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

[Drawing 875681494_sd.pdf](#)

[Packaging Design Drawing PK-87568-0001-001.pdf](#)

3D Models and Design Files

[3D Model 875681494_stp.zip](#)


Specifications

[Application Specification 503940002-AS-000.pdf](#)

[Product Specification PS-87568-004-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 2024)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	Connector Housings
Series	87568
Description	Milli-Grid Cable-to-Board Receptacle, Dual Row, IDT, Lead-Free, 14 Circuits, 0.76µm Gold (Au) Selective Plating, with Center Polarization Key and Locking Friction Ramp
Product Family	Milli-Grid Connector System
Product Name	Milli-Grid
UPC	822348457601

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	1.0A
Voltage - Maximum	125V

Physical

Circuits (Loaded)	14
Circuits (maximum)	14
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	0.944/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, 14 Circuits	<u>/content/molex/molex-dot-com/us/en/products/product-page.html/875691014.html</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>

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