Part Number : 875685093
Product Description : Milli-Grid Cable-to-Board Receptacle, Dual Row, IDT, Lead-Free, 50 Circuits, 0.38µm Gold (Au) Plating, Center Polarization Key, Dual Locking Friction Ramps
Series Number : 87568
Status : Active
Product Category : Connector Housings



Documents and Resources

Drawings

875685093_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)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS

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- 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, 50 Circuits, 0.38µm Gold (Au) Plating, Center Polarization Key, Dual Locking Friction Ramps
Application	Wire-to-Board
Component Type	Housing
Product Name	Milli-Grid
UPC	822348458394

Agency

CSA	LR19980
UL	E29179

Electrical

Voltage - Maximum	125V

Physical

Circuits (Loaded)	50

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Circuits (maximum)	50
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 - Plating Termination	Tin
Material - Resin	Polybutylene Terephthalate (PBT)
Net Weight	2.721/g
Number of Rows	2
Packaging Type	Tray
Panel Mount	No
Pitch - Mating Interface	2.00mm
Plating min - Mating	0.380µm
Plating min - Termination	1.880µm
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	87831
Milli-Grid Vertical, Dual Row, Surface Mount Headers	87832

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Milli-Grid Right-Angle Dual Row Through Hole Headers	87833

Use with Part(s)

Description	Part Number
2.00mm Strain Relief for Dual Row IDT, 50 Circuits	875691050

Application Tooling

Global

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

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