molex

Part Number : 875682093

Product Description : Milli-Grid Cable-to-Board Receptacle, Dual Row, IDT, Lead-Free, 20 Circuits, 0.38μm Gold (Au) Selective Plating, with Center Polarization Key and Locking Friction Ramp

Series Number : 87568

Status : Active

Product Category : Connector Housings

Documents & Resources

Drawings
875682093_sd.pdf
PK-87568-0001-001.pdf

3D Models and Design Files
875682093_stp.zip

Specifications
503940002-AS-000.pdf
PS-87568-004-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	♻
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)6225-DC (07 Nov 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, 20 Circuits, 0.38µm Gold (Au) Selective Plating, with Center Polarization Key and Locking Friction Ramp
Product Name	Milli-Grid
UPC	822348457755

Agency

CSA	LR19980
UL	E29179

Electrical

Voltage - Maximum	125V

Physical

Circuits (Loaded)	20
Circuits (maximum)	20
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	1.241/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	87831
Milli-Grid Vertical, Dual Row, Surface Mount Headers	87832
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, 20 Circuits	875691020

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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