



Part Number : 875681643

Series Number : 87568

Product Category : Connector Housings

Product Description : Milli-Grid Cable-to-Board Receptacle, Dual Row, IDT, Lead-Free, 16 Circuits, 0.38µm Gold (Au) Selective Plating, with Center Polarization Key, without Locking Friction Ramp

Status : Active

Documents & Resources

Drawings

Drawing 875681643_sd.pdf

Packaging Design Drawing PK-87568-0001-001.pdf

3D Models and Design Files

3D Model 875681643_stp.zip

Specifications

Application Specification 503940002-AS-000.pdf

Product Specification 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(2023)3788-DC (14 Jun 2023)
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, 16 Circuits, 0.38µm Gold (Au) Selective Plating, with Center Polarization Key, without Locking Friction Ramp
Product Family	Milli-Grid Connector System
Product Name	Milli-Grid
UPC	822348457618

Agency

CSA	LR19980
UL	E29179

Electrical

Voltage - Maximum	125V
-------------------	------

Physical

Circuits (Loaded)	16
Circuits (maximum)	16
Color - Resin	Black
Durability (mating cycles max)	100
Flammability	94V-0
Gender	Female
Glow-Wire Capable	No
Lock to Mating Part	None

Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Resin	Polyester
Net Weight	1.034/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	<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, 16 Circuits	<u>/content/molex/molex-dot-com/us/en/products/product-page.html/875691016.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>

This document was generated on May 25, 2024