Part Number : 511101051

Product Description : 2.00mm Pitch, Milli-Grid Receptacle Housing, 10 Circuits, with Center Polarization Key, without Locking Ramp, Lead-Free

Series Number : 51110

Status : Active

Product Category : Connector Housings

Documents & Resources

Drawings

Drawing 511101051_sd.pdf

Packaging Design Drawing PK-51110-300-001.pdf

3D Models and Design Files

3D Model 511101051_stp.zip

Specifications

Application Specification 503940001-AS-000.pdf

Product Specification PS-51110-001-001.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	51110
Description	2.00mm Pitch, Milli-Grid Receptacle Housing, 10 Circuits, with Center Polarization Key, without Locking Ramp, Lead-Free
Application	Signal, Wire-to-Board
Comments	Applicable Wire Ranges: 24-30 AWG (series 50394 terminal) and 22-28 AWG (series 87396 terminal)
Product Family	Milli-Grid Connector System
Product Name	Milli-Grid
UPC	800753574175

Agency

CSA	LR19980
UL	E29179

Physical

Circuits (maximum)	10
Color - Resin	Black
Flammability	94V-0
Gender	Receptacle
Glow-Wire Capable	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Resin	Polyester
Net Weight	0.202/g
Number of Rows	2

Packaging Type	Bag
Panel Mount	No
Pitch - Mating Interface	2.00mm
Pitch - Termination Interface	2.00mm
Polarized to Mating Part	Yes
Stackable	No
Temperature Range - Operating	-40° to +105°C

Mates With / Use With

Mates with Part(s)

Description	Part Number
Milli-Grid Vertical Through Hole Headers	87758
Milli-Grid Vertical Surface Mount Headers	87759
Milli-Grid Right-Angle Through Hole Headers	87760
Milli-Grid Vertical, Dual Row, Through Hole Headers	87831
Milli-Grid Vertical, Dual Row, Surface Mount Headers	87832
Milli-Grid BMI Vertical, Dual Row, Through Hole Headers	151013
Milli-Grid Vertical, Dual Row, Through Hole Headers	151117
Milli-Grid Vertical, Dual Row, Surface Mount Headers	151118
Milli-Grid Right-Angle, Dual Row, Through Hole Headers	151119
Milli-Grid Right-Angle, Dual Row, Surface Mount Headers	151120
Milli-Grid Right-Angle Dual Row Through Hole Headers	87833

Use with Part(s)

Description	Part Number
Pre-Crimped Lead Milli-Grid Female-to-Milli-Grid Female, Gold (Au) Plating, 150.00mm Length, 24 AWG, Black	/content/molex/molex-dot-com/us/en/products/product-page.html/797581095.html

Pre-Crimped Lead Milli-Grid Female-to-Milli-Grid Female, Gold (Au) Plating, 300.00mm Length, 24 AWG, Black	/content/molex/molex-dot-com/us/en/products/product-page.html/797581096.html
Milli-Grid Female Crimp Terminals	50394
Milli-Grid Female Crimp Terminals	87396

Application Tooling

Global

Description	Part Number
Extractor Tool for Milli-Grid 2.0 Housings	638242800