



Part Number : 511101451

Product Description : 2.00mm Pitch, Milli-Grid Receptacle Housing, 14 Circuits, with Center Polarization Key, with Locking Ramp, Lead-Free

Series Number : 51110

Status : Active

Product Category : Connector Housings

Documents & Resources

Drawings

- Drawing 511101451_sd.pdf
- Packaging Design Drawing PK-51110-300-001.pdf

3D Models and Design Files

- 3D Model 511101451_stp.zip

Specifications

- Application Specification 503940001-AS-000.pdf
 - Product Specification PS-51110-001-001.pdf
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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(2024)4144-DC (27 June 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, 14 Circuits, with Center Polarization Key, with 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	800753574229

Agency

CSA	LR19980
UL	E29179

Physical

Circuits (maximum)	14
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	0.291/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

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 Through Hole Headers	<u>87758</u>
Milli-Grid Vertical Surface Mount Headers	<u>87759</u>
Milli-Grid Right-Angle Through Hole Headers	<u>87760</u>
Milli-Grid Vertical, Dual Row, Through Hole Headers	<u>87831</u>
Milli-Grid Vertical, Dual Row, Surface Mount Headers	<u>87832</u>
Milli-Grid BMI Vertical, Dual Row, Through Hole Headers	<u>151013</u>
Milli-Grid Vertical, Dual Row, Through Hole Headers	<u>151117</u>
Milli-Grid Vertical, Dual Row, Surface Mount Headers	<u>151118</u>
Milli-Grid Right-Angle, Dual Row, Through Hole Headers	<u>151119</u>
Milli-Grid Right-Angle, Dual Row, Surface Mount Headers	<u>151120</u>
Milli-Grid Right-Angle Dual Row Through Hole Headers	<u>87833</u>

Use with Part(s)

Description	Part Number
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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-pdf.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-pdf.html/797581096.html
Milli-Grid Female Crimp Terminals	<u>50394</u>
Milli-Grid Female Crimp Terminals	<u>87396</u>

Application Tooling

Global

Description	Part Number
Extractor Tool for Milli-Grid 2.0 Housings	<u>638242800</u>