



**Part Number :** [511100656](#)  
**Product Description :** 2.00mm Pitch, Milli-Grid  
Receptacle Housing, 6 Circuits, with Center Locking  
Ramp and Side Polarization Keys, Lead-Free  
**Series Number :** 51110  
**Status :** Active  
**Product Category :** Connector Housings



## Documents & Resources

### Drawings

[511100656 sd.pdf](#)  
[PK-51110-300-001.pdf](#)

### 3D Models and Design Files


[511100656 stp.zip](#)

### Specifications

[503940001-AS-000.pdf](#)  
[PS-51110-001-001.pdf](#)

## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
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(2024)7663-DC (21 Jan 2025)
EU RoHS	Compliant per EU 2015/863

### Compliance Statements

- EU RoHS
- 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

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## Part Details

### General

Status	Active
Category	Connector Housings
Series	51110
Description	2.00mm Pitch, Milli-Grid Receptacle Housing, 6 Circuits, with Center Locking Ramp and Side Polarization Keys, 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 Name	Milli-Grid
UPC	800753616974

### Agency

CSA	LR19980
UL	E29179

### Physical

Circuits (maximum)	6
Color - Resin	Black
Flammability	94V-0
Gender	Receptacle
Glow-Wire Capable	No

Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Resin	Polyester
Net Weight	0.140/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

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
Milli-Grid Vertical Through Hole Headers	<a href="#"><u>87758</u></a>
Milli-Grid Vertical Surface Mount Headers	<a href="#"><u>87759</u></a>
Milli-Grid Right-Angle Through Hole Headers	<a href="#"><u>87760</u></a>
Milli-Grid Vertical, Dual Row, Through Hole Headers	<a href="#"><u>87831</u></a>
Milli-Grid Vertical, Dual Row, Surface Mount Headers	<a href="#"><u>87832</u></a>
Milli-Grid BMI Vertical, Dual Row, Through Hole Headers	<a href="#"><u>151013</u></a>
Milli-Grid Vertical, Dual Row, Through Hole Headers	<a href="#"><u>151117</u></a>
Milli-Grid Vertical, Dual Row, Surface Mount Headers	<a href="#"><u>151118</u></a>
Milli-Grid Right-Angle, Dual Row, Through Hole Headers	<a href="#"><u>151119</u></a>
Milli-Grid Right-Angle, Dual Row, Surface Mount Headers	<a href="#"><u>151120</u></a>

Milli-Grid Right-Angle Dual Row Through Hole Headers	<u>87833</u>
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**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	<u>797581095</u>
Pre-Crimped Lead Milli-Grid Female-to-Milli-Grid Female, Gold (Au) Plating, 300.00mm Length, 24 AWG, Black	<u>797581096</u>
Milli-Grid Female Crimp Terminals	<u>50394</u>
Milli-Grid Female Crimp Terminals	<u>87396</u>

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**Application Tooling**

**Global**

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