



**Part Number :** [511100860](#)  
**Product Description :** 2.00mm Pitch, Milli-Grid  
Receptacle Housing, 8 Circuits, without Center  
Polarization Key, with Locking Ramp, Lead-Free  
**Series Number :** 51110  
**Status :** Active  
**Product Category :** Connector Housings



## Documents & Resources

### Drawings

[511100860 sd.pdf](#)  
[PK-51110-300-001.pdf](#)

### 3D Models and Design Files


[STEP AP242](#)  
[SOLIDWORKS](#)  
[Creo](#)

### 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	Compliant per 2000/53/EC
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 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

## Part Details

### General

Status	Active
Category	Connector Housings
Series	51110
Description	2.00mm Pitch, Milli-Grid Receptacle Housing, 8 Circuits, without 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 Name	Milli-Grid
UPC	800753758537

### Agency

CSA	LR19980
UL	E29179

### Physical

Circuits (maximum)	8
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	0.168/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><a href="#">87758</a></u>
Milli-Grid Vertical Surface Mount Headers	<u><a href="#">87759</a></u>
Milli-Grid Right-Angle Through Hole Headers	<u><a href="#">87760</a></u>
Milli-Grid Vertical, Dual Row, Through Hole Headers	<u><a href="#">87831</a></u>
Milli-Grid Vertical, Dual Row, Surface Mount Headers	<u><a href="#">87832</a></u>
Milli-Grid BMI Vertical, Dual Row, Through Hole Headers	<u><a href="#">151013</a></u>
Milli-Grid Vertical, Dual Row, Through Hole Headers	<u><a href="#">151117</a></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
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>

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