



Part Number : [511100856](#)

Product Description : 2.00mm Pitch, Milli-Grid Receptacle Housing, 8 Circuits, with Center Locking Ramp and Side Polarization Keys, Lead-Free

Series Number : 51110

Status : Active

Product Category : Connector Housings



Documents & Resources

Drawings

[Drawing 511100856_sd.pdf](#)

[Packaging Design Drawing PK-51110-300-001.pdf](#)

3D Models and Design Files

[3D Model 511100856_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 | Compliant per 2000/53/EC |
| 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 | 51110 |
| Description | 2.00mm Pitch, Milli-Grid Receptacle Housing, 8 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 Family | Milli-Grid Connector System |
| Product Name | Milli-Grid |
| UPC | 800753616981 |

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 | 0.157/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 | <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> |

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>/content/molex/molex-dot-com/us/en/products/product-page.html/797581095.html</u> |

| | |
|--|---|
| 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 | <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>0638242800</u> |

This document was generated on Jan 29, 2024