**Part Number :** 511101050
**Product Description :** 2.00mm Pitch, Milli-Grid Receptacle Housing, 10 Circuits, Lead-Free
**Series Number :** 51110
**Status :** Active
**Product Category :** Connector Housings



## Documents and Resources

### Drawings

511101050_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 | Not Relevant |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2025)7771-DC (04 Feb 2026) |
| EU RoHS | Compliant per EU 2015/863 |

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

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- 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, 10 Circuits, Lead-Free |
| Application | Wire-to-Board |
| Component Type | Receptacle |
| Product Name | Milli-Grid |
| UPC | 800753574168 |

### 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 | No |
| Lock to Mating Part | No |
| Material - Resin | Polyester |

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| | |
|---|---|
| Net Weight | 0.207/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 | No |
| 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)

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| Description | Part Number |
| --- | --- |
| Pre-Crimped Lead Milli-Grid Female-to-Milli-Grid Female, Gold (Au) Plating, 150.00mm Length, 24 AWG, Black | 797581095 |
| Pre-Crimped Lead Milli-Grid Female-to-Milli-Grid Female, Gold (Au) Plating, 300.00mm Length, 24 AWG, Black | 797581096 |
| 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 |



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