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Part Number: [1511175248](#)
Status: **Active**
Overview: [Milli-Grid Connector System](#)
Description: 2.00mm Pitch, Milli-Grid PCB Header, Dual Row, Vertical, Through Hole, 0.38µm Gold (Au) Plating, without Peg, 4.60mm PC Tail Length, without Pick and Place Cap, 48 Circuits, Glow-Wire Capable, Tube

Documents:

| | |
|--|--|
| 3D Model | Application Specification 503940002-AS-000 (PDF) |
| Drawing (PDF) | Packaging Specification PK-151117-0001-001 (PDF) |
| 3D Model (PDF) | Packaging Specification PK-151117-3000 (PDF) |
| Product Specification PS-151117-0001-001 (PDF) | Datasheet (PDF) |
| Application Specification 503940001-AS-000 (PDF) | RoHS Certificate of Compliance (PDF) |

Agency Certification

| | |
|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

General

| | |
|----------------|---|
| Product Family | PCB Headers |
| Series | 151117 |
| Application | Board-to-Board, Signal, Wire-to-Board |
| Overview | Milli-Grid Connector System |
| Product Name | Milli-Grid |
| UPC | 889056837651 |

Physical

| | |
|--------------------------------|------------------------|
| Breakaway | No |
| Circuits (Loaded) | 48 |
| Circuits (maximum) | 48 |
| Color - Resin | Black |
| First Mate / Last Break | No |
| Flammability | 94V-0 |
| Glow-Wire Capable | Yes |
| Guide to Mating Part | No |
| Keying to Mating Part | None |
| Lock to Mating Part | Yes |
| Material - Metal | Copper Alloy |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | Liquid Crystal Polymer |
| Net Weight | 2.269/g |
| Number of Rows | 2 |
| Orientation | Vertical |
| PC Tail Length | 4.60mm |
| PCB Locator | No |
| PCB Retention | None |
| PCB Thickness - Recommended | 3.60mm |
| Packaging Type | Tube |
| Pitch - Mating Interface | 2.00mm |
| Pitch - Termination Interface | 2.00mm |
| Plating min - Mating | 0.381µm |
| Plating min - Termination | 2.000µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| Robotic Placement | None |
| Shrouded | Yes |



Series image - Reference only

EU ELV

Compliant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2020)4578-DC (25
June 2020)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Compliant

Not Contained

Search Parts in this Series

[151117 Series](#)

Mates With

Milli-Grid Receptacle Housing [151192](#) ,
[51110](#)
Milli-Grid PCB Receptacles
[78787](#) , [78788](#) , [79107](#) , [79109](#)

| | |
|--------------------------------|----------------|
| Stackable | No |
| Surface Mount Compatible (SMC) | Yes |
| Temperature Range - Operating | -55° to +105°C |
| Termination Interface: Style | Through Hole |

Electrical

| | |
|-------------------------------|---------|
| Current - Maximum per Contact | 2.0A |
| Voltage - Maximum | 125V AC |

Solder Process Data

| | |
|--|----------|
| Duration at Max. Process Temperature (seconds) | 011 |
| Lead-free Process Capability | SMC&WAVE |
| Max. Cycles at Max. Process Temperature | 001 |
| Process Temperature max. C | 265 |

Material Info**Reference - Drawing Numbers**

| | |
|---------------------------|------------------------------------|
| Application Specification | 503940001-AS-000, 503940002-AS-000 |
| Packaging Specification | PK-151117-0001-001, PK-151117-3000 |
| Product Specification | PS-151117-0001-001 |
| Sales Drawing | SD-151117-0001-001 |

This document was generated on 07/15/2020

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