



Part Number : 1511175654

**Product Description :** 2.00mm Pitch, Milli-Grid PCB Header, Dual Row, Vertical, Through Hole, 0.38µm Gold (Au) Plating, with Peg, 4.60mm PC Tail Length, with Pick and Place Cap, 4 Circuits, Glow-Wire Capable, Tube  
**Status :** Active

**Series Number :** 151117  
**Product Category :** PCB Headers and Receptacles

Documents & Resources

**Drawings**  
Drawing 1511175654\_sd.pdf  
Packaging Design Drawing PK-151117-0001-001.pdf  
Packaging Design Drawing PK-151117-3000-001.pdf

**3D Models and Design Files**  
3D Model 1511175654\_stp.zip

**Specifications**  
Application Specification 503940001-AS-000.pdf  
Application Specification 503940002-AS-000.pdf  
Product Specification PS-151117-0001-001.pdf

Product Environment Compliance

Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                          |
| China RoHS         |  |
| EU ELV             | Compliant per 2000/53/EC                                                              |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                                                        |
| REACH SVHC         | Not Contained per D(2024)4144-DC (27 June 2024)                                       |
| 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

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### Part Details

#### General

|                |                                                                                                                                                                                                |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                                                                         |
| Category       | PCB Headers and Receptacles                                                                                                                                                                    |
| Series         | 151117                                                                                                                                                                                         |
| Description    | 2.00mm Pitch, Milli-Grid PCB Header, Dual Row, Vertical, Through Hole, 0.38µm Gold (Au) Plating, with Peg, 4.60mm PC Tail Length, with Pick and Place Cap, 4 Circuits, Glow-Wire Capable, Tube |
| Application    | Board-to-Board, Signal, Wire-to-Board                                                                                                                                                          |
| Component Type | PCB Header                                                                                                                                                                                     |
| Product Family | Milli-Grid Connector System                                                                                                                                                                    |
| Product Name   | Milli-Grid                                                                                                                                                                                     |
| UPC            | 889056847711                                                                                                                                                                                   |

#### Agency

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

#### Electrical

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

#### Physical

|                    |       |
|--------------------|-------|
| Breakaway          | No    |
| Circuits (Loaded)  | 4     |
| Circuits (maximum) | 4     |
| 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                     | 0.274/g                |
| Number of Rows                 | 2                      |
| Orientation                    | Vertical               |
| Packaging Type                 | Tube                   |
| PC Tail Length                 | 4.60mm                 |
| PCB Locator                    | No                     |
| PCB Retention                  | Yes                    |
| PCB Thickness - Recommended    | 3.60mm                 |
| 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              | Pick and Place Cap     |
| Shrouded                       | Yes                    |
| Stackable                      | No                     |
| Temperature Range - Operating  | -55° to +105°C         |
| Termination Interface Style    | Through Hole           |

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## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|-------------|-------------|
|-------------|-------------|

|                                                           |               |
|-----------------------------------------------------------|---------------|
| Milli-Grid Dual Row Receptacle Housings                   | <u>151192</u> |
| Milli-Grid Dual Row Receptacle Housings                   | <u>51110</u>  |
| Milli-Grid Vertical Through Hole PCB Receptacles          | <u>78787</u>  |
| Milli-Grid Top Entry Surface Mount PCB Receptacles        | <u>78788</u>  |
| Milli-Grid Vertical Through Hole PCB Receptacles          | <u>79107</u>  |
| Milli-Grid Top/Bottom Entry Surface Mount PCB Receptacles | <u>79109</u>  |