



Part Number : [1510654257](#)

Product Description : 2.00mm Pitch, Milli-Grid PCB Header, Single Row, Right-Angle, Through Hole, 0.38µm Gold (Au) Plating, with Peg, 3.60mm PC Tail Length, 7 Circuits, Tube

Series Number : 151065

Status : Active

Product Category : PCB Headers and Receptacles

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## Documents & Resources

### Drawings

[Drawing 1510654257\\_sd.pdf](#)

[Packaging Design Drawing PK-151062-0001-001.pdf](#)

### 3D Models and Design Files

[3D Model 1510654257\\_stp.zip](#)

### Specifications


[Application Specification 503940001-AS-000.pdf](#)

[Product Specification PS-151062-0001-001.pdf](#)

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## 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         | 151065  |
| Description    | 2.00mm Pitch, Milli-Grid PCB Header, Single Row, Right-Angle, Through Hole, 0.38µm Gold (Au) Plating, with Peg, 3.60mm PC Tail Length, 7 Circuits, Tube |
| Application    | Signal, Wire-to-Board   |
| Comments       | See Product Specification for maximum current rating by wire AWG  |
| Component Type | PCB Header  |
| Product Family | Milli-Grid Connector System   |
| Product Name   | Milli-Grid  |
| UPC            | 889056636247  |

### Agency

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

### Electrical

|                               |         |
|-------------------------------|---------|
| Current - Maximum per Contact | 2.5A    |
| Voltage - Maximum             | 125V AC |

### Physical

|                    |       |
|--------------------|-------|
| Breakaway          | No    |
| Circuits (Loaded)  | 7     |
| Circuits (maximum) | 7     |
| Color - Resin      | Black |

|                                |                        |
|--------------------------------|------------------------|
| Durability (mating cycles max) | 25                     |
| First Mate / Last Break        | No                     |
| Flammability                   | 94V-0                  |
| Glow-Wire Capable              | No                     |
| 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                     | 0.763/g                |
| Number of Rows                 | 1                      |
| Orientation                    | Right Angle            |
| Packaging Type                 | Tube                   |
| PC Tail Length                 | 3.60mm                 |
| PCB Locator                    | Yes                    |
| PCB Retention                  | None                   |
| PCB Thickness - Recommended    | 2.50mm                 |
| Pitch - Mating Interface       | 2.00mm                 |
| Pitch - Termination Interface  | 2.00mm                 |
| Plating min - Mating           | 0.380µm                |
| Plating min - Termination      | 2.000µm                |
| Polarized to Mating Part       | Yes                    |
| Polarized to PCB               | Yes                    |
| Shrouded                       | Yes                    |
| Stackable                      | No                     |
| Temperature Range - Operating  | -40° to +70°C          |
| Termination Interface Style    | Through Hole           |

### Solder Process Data

|                              |      |
|------------------------------|------|
| Max-Duration                 | 10   |
| Lead-Free Process Capability | WAVE |
| Max-Cycle                    | 1    |
| Max-Temp                     | 260  |

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## Mates With / Use With

### Mates with Part(s)

| Description                               | Part Number   |
|---|---------------|
| Milli-Grid Single Row Receptacle Housings | <u>151100</u> |

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