



Part Number : 1510653255

Series Number : 151065

Product Category : PCB Headers and Receptacles

Product Description : 2.00mm Pitch, Milli-Grid PCB Header, Single Row, Right-Angle, Through Hole, 0.38µm Gold (Au) Plating, with Peg, 2.60mm PC Tail Length, 5 Circuits, Tube

Status : Active

Documents & Resources

Drawings

- Drawing 1510653255\_sd.pdf
- Packaging Design Drawing PK-151062-0001-001.pdf

3D Models and Design Files

- 3D Model 1510653255\_stp.zip

Specifications

- Application Specification 503940001-AS-000.pdf
- Product Specification PS-151062-0001-001.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         | 151065                                                                                                                                                  |
| Description    | 2.00mm Pitch, Milli-Grid PCB Header, Single Row, Right-Angle, Through Hole, 0.38µm Gold (Au) Plating, with Peg, 2.60mm PC Tail Length, 5 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            | 889056634175                                                                                                                                            |

#### Agency

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

#### Electrical

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

#### Physical

|                    |       |
|--------------------|-------|
| Breakaway          | No    |
| Circuits (Loaded)  | 5     |
| Circuits (maximum) | 5     |
| 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                     | 0.577/g                |
| Number of Rows                 | 1                      |
| Orientation                    | Right Angle            |
| Packaging Type                 | Tube                   |
| PC Tail Length                 | 2.60mm                 |
| PCB Locator                    | Yes                    |
| PCB Retention                  | None                   |
| PCB Thickness - Recommended    | 1.50mm                 |
| 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> |