

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [1510133118](#)  
**Status:** **Active**  
**Overview:** Milli-Grid Connector System  
**Description:** 2.00mm Pitch, Milli-Grid BMI PCB Header, Dual Row, Vertical, Through Hole, 18 Circuits, 0.38µm Gold (Au) Plating, 4.00mm Tail Length, Tube, Lead-Free

**Documents:**

|  |  |
|--|--|
| <a href="#">Drawing (PDF)</a>                                  | <a href="#">Application Specification 503940002-AS-000 (PDF)</a> |
| <a href="#">3D Model</a>                                       | <a href="#">Packaging Specification PK-151013-0001-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                                 | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |
| <a href="#">Product Specification PS-151013-0001-001 (PDF)</a> |  |



Series image - Reference only

**Agency Certification**

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

**General**

|                |                                       |
|----------------|---------------------------------------|
| Product Family | PCB Headers                           |
| Series         | <a href="#">151013</a>                |
| Application    | Panel-to-Board, Signal, Wire-to-Board |
| Overview       | <u>Milli-Grid Connector System</u>    |
| Product Name   | Milli-Grid BMI                        |
| UPC            | 889056569149                          |

**Physical**

|                                |                        |
|--------------------------------|------------------------|
| Breakaway                      | No                     |
| Circuits (Loaded)              | 18                     |
| Circuits (maximum)             | 18                     |
| Color - Resin                  | Black                  |
| Durability (mating cycles max) | 25                     |
| First Mate / Last Break        | No                     |
| Flammability                   | 94V-0                  |
| Glow-Wire Capable              | No                     |
| Guide to Mating Part           | Yes                    |
| Keying to Mating Part          | None                   |
| Lock to Mating Part            | None                   |
| Material - Metal               | Phosphor Bronze        |
| Material - Plating Mating      | Gold                   |
| Material - Plating Termination | Matte Tin              |
| Material - Resin               | Liquid Crystal Polymer |
| Net Weight                     | 1.790/g                |
| Number of Rows                 | 2                      |
| Orientation                    | Vertical               |
| PC Tail Length                 | 4.00mm                 |
| PCB Locator                    | Yes                    |
| PCB Retention                  | None                   |
| Packaging Type                 | Tube                   |
| Pitch - Mating Interface       | 2.00mm                 |
| Pitch - Termination Interface  | 2.00mm                 |
| Plating min - Mating           | 0.381µm                |
| Plating min - Termination      | 1.270µm                |
| Polarized to Mating Part       | Yes                    |
| Polarized to PCB               | Yes                    |
| Shrouded                       | Yes                    |
| Stackable                      | No                     |
| Temperature Range - Operating  | -40° to +105°C         |
| Termination Interface: Style   | Through Hole           |

**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**

[151013 Series](#)

**Mates With**

Milli-Grid Wire-to-Board Receptacle Housing [51110](#) , Milli-Grid Panel-to-Board Receptacle Housing [151014](#)

**Electrical**

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

**Solder Process Data**

|  |          |
|--|----------|
| Duration at Max. Process Temperature (seconds) | 005      |
| Lead-free Process Capability                   | SMC&WAVE |
| Max. Cycles at Max. Process Temperature        | 001      |
| Process Temperature max. C                     | 260      |

**Material Info****Reference - Drawing Numbers**

|                           |                    |
|---------------------------|--------------------|
| Application Specification | 503940002-AS-000   |
| Packaging Specification   | PK-151013-0001-001 |
| Product Specification     | PS-151013-0001-001 |
| Sales Drawing             | SD-151013-0001-000 |

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