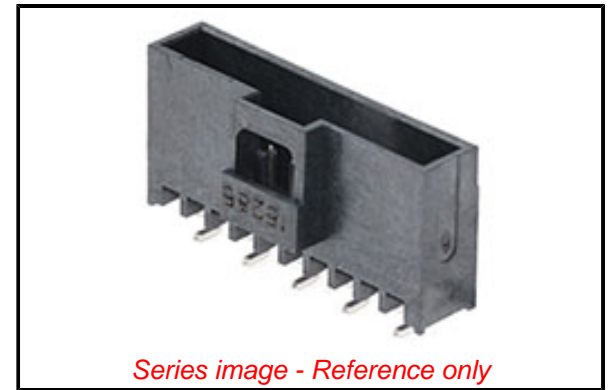


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [1510621409](#)  
**Status:** **Active**  
**Overview:** [Milli-Grid Connector System](#)  
**Description:** 2.00mm Pitch, Milli-Grid PCB Header, Single Row, Vertical, Surface Mount, 2.50µm Tin (Sn) Plating, without Peg, with Pick and Place Cap, 9 Circuits, Tube

**Documents:**

|  |  |
|--|--|
| <a href="#">Drawing (PDF)</a>                                  | <a href="#">Application Specification 503940001-AS-000 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                                 | <a href="#">Packaging Specification PK-151062-0001-001 (PDF)</a> |
| <a href="#">3D Model</a>                                       | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |
| <a href="#">Product Specification PS-151062-0001-001 (PDF)</a> |  |



Series image - Reference only

**General**

|                |  |
|----------------|--|
| Product Family | PCB Headers  |
| Series         | <a href="#">151062</a>   |
| Application    | Signal, Wire-to-Board  |
| Comments       | See Product Specification for maximum current rating by wire AWG |
| Overview       | <a href="#">Milli-Grid Connector System</a>                      |
| Product Name   | Milli-Grid   |
| UPC            | 889056695596   |

**Physical**

|                                |                        |
|--------------------------------|------------------------|
| Breakaway                      | No                     |
| Circuits (Loaded)              | 9                      |
| Circuits (maximum)             | 9                      |
| Color - Resin                  | Black                  |
| Durability (mating cycles max) | 25                     |
| First Mate / Last Break        | No                     |
| 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      | Tin                    |
| Material - Plating Termination | Tin                    |
| Material - Resin               | Liquid Crystal Polymer |
| Net Weight                     | 852.368/mg             |
| Number of Rows                 | 1                      |
| Orientation                    | Vertical               |
| PCB Locator                    | Yes                    |
| PCB Retention                  | Yes                    |
| Packaging Type                 | Tube                   |
| Pitch - Mating Interface       | 2.00mm                 |
| Pitch - Termination Interface  | 2.00mm                 |
| Plating min - Mating           | 2.500µm                |
| Plating min - Termination      | 2.000µm                |
| Polarized to Mating Part       | Yes                    |
| Polarized to PCB               | Yes                    |
| Robotic Placement              | Pick and Place Cap     |
| Shrouded                       | Yes                    |
| Stackable                      | No                     |
| Surface Mount Compatible (SMC) | Yes                    |
| Temperature Range - Operating  | -40° to +70°C          |
| Termination Interface: Style   | Surface Mount          |

**Electrical**

**EU ELV**

**Not Relevant**

**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

Not Relevant

Not Contained

**Search Parts in this Series**

[151062 Series](#)

**Mates With**

Milli-Grid Receptacle Housing [151100](#)

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

**Solder Process Data**

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

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

|                           |                    |
|---------------------------|--------------------|
| Application Specification | 503940001-AS-000   |
| Packaging Specification   | PK-151062-0001-001 |
| Product Specification     | PS-151062-0001-001 |
| Sales Drawing             | SD-151062-0001     |

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