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**Part Number:** [1511181544](#)  
**Status:** **Active**  
**Overview:** [Milli-Grid Connector System](#)  
**Description:** 2.00mm Pitch, Milli-Grid PCB Header, Dual Row, Vertical, Surface Mount, 0.05µm Gold (Au) Plating, without Peg, with Pick and Place Cap, 44 Circuits, Glow-Wire Capable, Tube

**Documents:**

|                                                                  |                                                                  |
|------------------------------------------------------------------|------------------------------------------------------------------|
| <a href="#">3D Model</a>                                         | <a href="#">Application Specification 503940002-AS-000 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                    | <a href="#">Packaging Specification PK-151118-0001-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                                   | <a href="#">Packaging Specification PK-151118-3000-001 (PDF)</a> |
| <a href="#">Product Specification PS-151117-0001-001 (PDF)</a>   | <a href="#">Datasheet (PDF)</a>                                  |
| <a href="#">Application Specification 503940001-AS-000 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |

**Agency Certification**

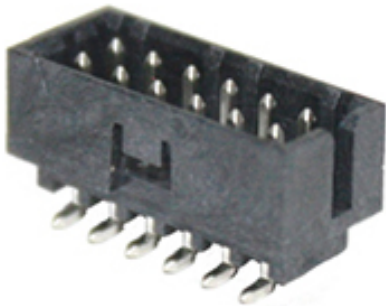
|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                |                                             |
|----------------|---------------------------------------------|
| Product Family | PCB Headers                                 |
| Series         | <a href="#">151118</a>                      |
| Application    | Board-to-Board, Signal, Wire-to-Board       |
| Overview       | <a href="#">Milli-Grid Connector System</a> |
| Product Name   | Milli-Grid                                  |
| UPC            | 889056798938                                |

**Physical**

|                                |                        |
|--------------------------------|------------------------|
| Breakaway                      | No                     |
| Circuits (Loaded)              | 44                     |
| Circuits (maximum)             | 44                     |
| 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                     | 1.866/g                |
| Number of Rows                 | 2                      |
| Orientation                    | Vertical               |
| PCB Locator                    | No                     |
| PCB Retention                  | None                   |
| Packaging Type                 | Tube                   |
| Pitch - Mating Interface       | 2.00mm                 |
| Pitch - Termination Interface  | 2.00mm                 |
| Plating min - Mating           | 0.050µm                |
| Plating min - Termination      | 2.000µm                |
| Polarized to Mating Part       | Yes                    |
| Polarized to PCB               | No                     |
| Robotic Placement              | Pick and Place Cap     |
| Shrouded                       | Yes                    |
| Stackable                      | No                     |
| Surface Mount Compatible (SMC) | Yes                    |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

|                 |               |
|-----------------|---------------|
| China ROHS      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**

[151118](#) Series

**Mates With**

Milli-Grid Receptacle Housing [151192](#) ,  
[51110](#) <br> Milli-Grid PCB Receptacles  
[78787](#) , [78788](#) , [79107](#) , [79109](#)

|                                                |                                        |
|------------------------------------------------|----------------------------------------|
| Temperature Range - Operating                  | -55° to +105°C                         |
| Termination Interface: Style                   | Surface Mount                          |
| <b>Electrical</b>                              |                                        |
| Current - Maximum per Contact                  | 2.0A                                   |
| Voltage - Maximum                              | 125V AC                                |
| <b>Solder Process Data</b>                     |                                        |
| Duration at Max. Process Temperature (seconds) | 010                                    |
| Lead-freeProcess Capability                    | REFLOW                                 |
| Max. Cycles at Max. Process Temperature        | 001                                    |
| Process Temperature max. C                     | 260                                    |
| <b>Material Info</b>                           |                                        |
| <b>Reference - Drawing Numbers</b>             |                                        |
| Application Specification                      | 503940001-AS-000, 503940002-AS-000     |
| Packaging Specification                        | PK-151118-0001-001, PK-151118-3000-001 |
| Product Specification                          | PS-151117-0001-001                     |
| Sales Drawing                                  | SD-151118-0001-001                     |

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