

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

**Part Number:** [1511181612](#)  
**Status:** **Active**  
**Overview:** [Milli-Grid Connector System](#)  
**Description:** 2.00mm Pitch, Milli-Grid PCB Header, Dual Row, Vertical, Surface Mount, 0.38µm Gold (Au) Plating, without Peg, with Pick and Place Cap, 12 Circuits, Glow-Wire Capable, Tube

**Documents:**

|                                                                  |                                                                  |
|------------------------------------------------------------------|------------------------------------------------------------------|
| <a href="#">3D Model (PDF)</a>                                   | <a href="#">Application Specification 503940002-AS-000 (PDF)</a> |
| <a href="#">3D Model</a>                                         | <a href="#">Packaging Specification PK-151118-0001-001 (PDF)</a> |
| <a href="#">Drawing (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**

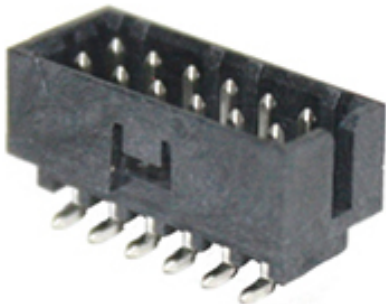
|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**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            | 889056797818                                |

**Physical**

|                                |                        |
|--------------------------------|------------------------|
| Breakaway                      | No                     |
| Circuits (Loaded)              | 12                     |
| Circuits (maximum)             | 12                     |
| 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                     | 0.576/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           | 0.380µm                |
| 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

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

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                     |

This document was generated on 09/01/2021

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

***Click to view similar products for*** [Headers & Wire Housings](#) ***category:***

***Click to view products by*** [Molex](#) ***manufacturer:***

Other Similar products are found below :

[892-18-020-10-001101](#) [58102-G61-06LF](#) [582553-1](#) [0009485154](#) [009176003701906](#) [0050291907](#) [LY20-4P-DT1-P1E-BR](#) [02.125.8002.8](#)  
[609-3404](#) [61062-3](#) [622-0430](#) [622-3653LF](#) [63453-116](#) [636-1030](#) [636-1427](#) [636-3427](#) [636-4007](#) [641938-9](#) [641991-4](#) [644827-2](#) [65817-010LF](#)  
[65817-015LF](#) [65863-015LF](#) [66207-023LF](#) [67095-007LF](#) [67601157](#) [68648-049](#) [70.362.1628.0](#) [70-4210](#) [70-4226B](#) [70-4853B](#) [707-5020](#) [707-](#)  
[5028](#) [71.350.2428.0](#) [71918-208LF](#) [71961-016LF](#) [733-134](#) [733-162](#) [754199-000](#) [760-3052](#) [787-8014-00](#) [79531-3000](#) [FCN-360C032-B](#) [FCN-](#)  
[367T-T012/H](#) [FCN-723D010/2](#) [80.063.4001.1](#) [800-90-001-10-001000](#) [800-90-010-10-002000](#) [801-43-002-10-013000](#) [801-43-006-10-002000](#)