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**Part Number:** [0878320623](#)  
**Status:** **Active**  
**Overview:** [Milli-Grid Connector System](#)  
**Description:** 2.00mm Pitch, Milli-Grid PCB Header, Dual Row, Vertical, Surface Mount, Shrouded, Lead-Free, 6 Circuits, 0.76µm Gold (Au) Plating, with Pick-and-Place Cap, without Locking Window, with Center Polarization Slot, PCB Locator, Tube

**Documents:**

|  |  |
|--|--|
| <a href="#">3D Model</a>                                     | <a href="#">Application Specification 503940001-AS-000 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Packaging Specification PK-87831-001-001 (PDF)</a>   |
| <a href="#">3D Model (PDF)</a>                               | <a href="#">Datasheet (PDF)</a>                                  |
| <a href="#">Product Specification PS-87831-027-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |

**Agency Certification**

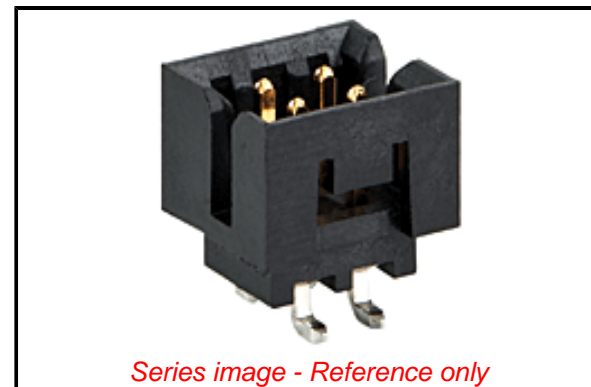
|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                |   |
|----------------|---|
| Product Family | PCB Headers   |
| Series         | <a href="#">87832</a>   |
| Application    | Signal, Wire-to-Board   |
| Comments       | With Cap Contact Molex for application in automotive industry |
| Overview       | <a href="#">Milli-Grid Connector System</a>                   |
| Product Name   | Milli-Grid  |
| UPC            | 883906246402  |

**Physical**

|                                |                    |
|--------------------------------|--------------------|
| Breakaway                      | No                 |
| Circuits (Loaded)              | 6                  |
| Circuits (maximum)             | 6                  |
| Color - Resin                  | Black              |
| Durability (mating cycles max) | 100                |
| First Mate / Last Break        | No                 |
| Flammability                   | 94V-0              |
| Glow-Wire Capable              | No                 |
| Guide to Mating Part           | No                 |
| Keying to Mating Part          | Yes                |
| Lock to Mating Part            | Yes                |
| Material - Metal               | Phosphor Bronze    |
| Material - Plating Mating      | Gold               |
| Material - Plating Termination | Tin                |
| Material - Resin               | Nylon              |
| Net Weight                     | 0.467/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           | 0.762µm            |
| Plating min - Termination      | 1.905µm            |
| Polarized to PCB               | No                 |
| Robotic Placement              | Pick and Place Cap |
| Shrouded                       | Fully              |
| Stackable                      | No                 |



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)4578-DC (25  
June 2020)

**Halogen-Free**

**Status**

**Not 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**

[87832](#) Series

**Mates With**

Milli-Grid Vertical Through Hole Receptacle [79107](#) , [78787](#) , Milli-Grid Flex-to-Board Vertical Receptacle [79108](#) , Milli-Grid Vertical Surface Mount Receptacle [79109](#) , [78788](#) , Milli-Grid Crimp Housing [51110](#) , Milli-Grid Cable-to-Board Receptacle [87568](#)

|                                |                |
|--------------------------------|----------------|
| Surface Mount Compatible (SMC) | Yes            |
| Temperature Range - Operating  | -55° to +105°C |
| Termination Interface: Style   | Surface Mount  |

**Electrical**

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

**Solder Process Data**

|  |        |
|--|--------|
| Duration at Max. Process Temperature (seconds) | 010    |
| 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-87831-001-001  |
| Product Specification     | PS-87831-027-001  |
| Sales Drawing             | SD-87832-0001-001 |

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