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**Part Number:** [0878325662](#)  
**Status:** **Active**  
**Overview:** Milli-Grid Connector System  
**Description:** 2.00mm Pitch, Milli-Grid PCB Header, Dual Row, Vertical, Surface Mount, Shrouded, Lead-Free, 14 Circuits, 0.05µm Gold (Au) Plating, with Locking Windows and Centre Polarization Slot, PCB Locator, Tape and Reel

**Documents:**

|  |  |
|--|--|
| <a href="#">3D Model</a>                                     | <a href="#">Application Specification 503940001-AS-000 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                               | <a href="#">Packaging Specification PK-87831-001-001 (PDF)</a>   |
| <a href="#">Drawing (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                       |
| Overview       | <a href="#">Milli-Grid Connector System</a> |
| Product Name   | Milli-Grid                                  |
| UPC            | 884982767874                                |

**Physical**

|                                |                       |
|--------------------------------|-----------------------|
| Breakaway                      | No                    |
| Circuits (Loaded)              | 14                    |
| Circuits (maximum)             | 14                    |
| 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                     | 0.664/g               |
| Number of Rows                 | 2                     |
| Orientation                    | Vertical              |
| PCB Locator                    | No                    |
| PCB Retention                  | None                  |
| Packaging Type                 | Embossed Tape on Reel |
| Pitch - Mating Interface       | 2.00mm                |
| Pitch - Termination Interface  | 2.00mm                |
| Plating min - Mating           | 0.051µm               |
| Plating min - Termination      | 1.905µm               |
| Polarized to PCB               | No                    |
| Shrouded                       | Fully                 |
| Stackable                      | No                    |
| Surface Mount Compatible (SMC) | Yes                   |
| Temperature Range - Operating  | -55° to +105°C        |
| Termination Interface: Style   | Surface Mount         |



**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](#)

**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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