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**Part Number:** [0873684425](#)  
**Status:** **Active**  
**Overview:** Milli-Grid Connector System  
**Description:** Milli-Grid Receptacle, Surface Mount, Side Entry, 0.76µm Gold (Au) Plating, 44 Circuits, Lead-Free

**Documents:**

|  |   |
|--|---|
| <a href="#">3D Model</a>   | <a href="#">Packaging Specification PK-87368-0001-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                    | <a href="#">Packaging Specification PK-87368-0002-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                                   | <a href="#">Brochure (PDF)</a>                                  |
| <a href="#">Product Specification PS-87264-001 (PDF)</a>         | <a href="#">RoHS Certificate of Compliance (PDF)</a>            |
| <a href="#">Application Specification 503940001-AS-000 (PDF)</a> |   |

**Agency Certification**

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

**General**

|                |                                    |
|----------------|------------------------------------|
| Product Family | PCB Receptacles                    |
| Series         | <a href="#">87368</a>              |
| Application    | Board-to-Board, Signal             |
| Overview       | <u>Milli-Grid Connector System</u> |
| Product Name   | Milli-Grid                         |
| UPC            | 822348478293                       |

**Physical**

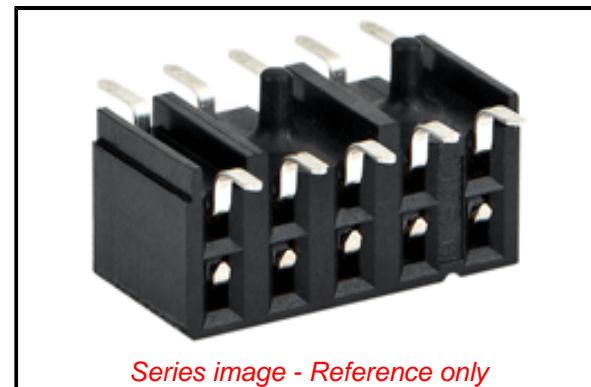
|                                |                 |
|--------------------------------|-----------------|
| Circuits (Loaded)              | 44              |
| Circuits (maximum)             | 44              |
| Color - Resin                  | Black           |
| Durability (mating cycles max) | 25              |
| Flammability                   | 94V-0           |
| Glow-Wire Capable              | No              |
| Lock to Mating Part            | None            |
| Material - Metal               | Phosphor Bronze |
| Material - Plating Mating      | Gold            |
| Material - Plating Termination | Tin             |
| Material - Resin               | Nylon           |
| Net Weight                     | 1.446/g         |
| Number of Rows                 | 2               |
| Orientation                    | Right Angle     |
| PCB Locator                    | Yes             |
| PCB Retention                  | Yes             |
| Packaging Type                 | Tube            |
| Pitch - Mating Interface       | 2.00mm          |
| Plating min - Mating           | 0.762µm         |
| Plating min - Termination      | 2.540µm         |
| Polarized to PCB               | Yes             |
| Surface Mount Compatible (SMC) | N/A             |
| Temperature Range - Operating  | -55° to +105°C  |
| Termination Interface: Style   | Surface Mount   |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 1.0A |
| Voltage - Maximum             | 125V |

**Solder Process Data**

|  |        |
|--|--------|
| Duration at Max. Process Temperature (seconds) | 014    |
| Lead-free Process Capability                   | REFLOW |



*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**

**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**

[87368](#) Series

**Mates With**

[87758](#) Vertical Through Hole PCB Headers,  
[87759](#) Vertical Surface Mount PCB Headers,  
[87760](#) Right Angle Through Hole PCB Headers

|   |     |
|---|-----|
| Max. Cycles at Max. Process Temperature | 001 |
| Process Temperature max. C              | 265 |

**Material Info**

**Reference - Drawing Numbers**

|                           |                                      |
|---------------------------|--------------------------------------|
| Application Specification | 503940001-AS-000                     |
| Packaging Specification   | PK-87368-0001-001, PK-87368-0002-001 |
| Product Specification     | PS-87264-001                         |
| Sales Drawing             | SD-87368-XX20-001                    |

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