

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0873810618](#)  
**Status:** **Active**  
**Overview:** Milli-Grid Connector System  
**Description:** 2.00mm Pitch Milli-Grid Receptacle, Surface Mount, Top Entry, 0.38µm Gold (Au) Plating, without Cover, with Locating Peg, 6 Circuits, Lead-Free

**Documents:**

|  |  |
|--|--|
| <a href="#">3D Model</a>                                     | <a href="#">Packaging Specification 873810001-PK-000 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">RoHS Certificate of Compliance (PDF)</a>           |
| <a href="#">Product Specification PS-87380-002-001 (PDF)</a> | <a href="#">Product Literature (PDF)</a>                       |

**Agency Certification**

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

**General**

|                             |   |
|-----------------------------|---|
| Product Family              | PCB Receptacles                             |
| Series                      | <a href="#">87381</a>                       |
| Application                 | Board-to-Board, Signal                      |
| Comments                    | With Pegs                                   |
| Overview                    | <a href="#">Milli-Grid Connector System</a> |
| Product Literature Order No | 987650-1991                                 |
| Product Name                | Milli-Grid                                  |
| UPC                         | 822348482252                                |

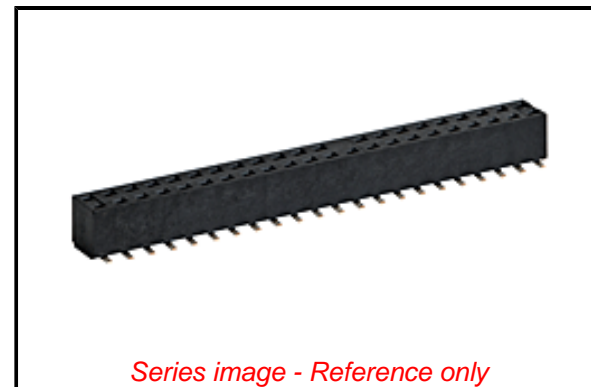
**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 6                              |
| Circuits (maximum)             | 6                              |
| 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               | High Temperature Thermoplastic |
| Net Weight                     | 0.146/g                        |
| Number of Rows                 | 2                              |
| Orientation                    | Vertical                       |
| PCB Locator                    | Yes                            |
| PCB Retention                  | None                           |
| Packaging Type                 | Tube                           |
| Pitch - Mating Interface       | 2.00mm                         |
| Pitch - Termination Interface  | 2.00mm                         |
| Plating min - Mating           | 0.381µm                        |
| Plating min - Termination      | 1.270µm                        |
| Polarized to PCB               | Yes                            |
| Stackable                      | Yes                            |
| Surface Mount Compatible (SMC) | N/A                            |
| Temperature Range - Operating  | -55° to +105°C                 |
| Termination Interface: Style   | Surface Mount                  |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 1.9A |
| Voltage - Maximum             | 125V |

**Solder Process Data**



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/01/2018 (15  
January 2018)

**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**

[87381](#) Series

**Mates With**

[87758](#) Vertical, Through Hole, Stackable PCB Header, [87759](#) Vertical, Surface Mount, Stackable PCB Header, [87760](#) Right Angle, Through Hole, Stackable PCB Header, [87831](#) Vertical, Through Hole PCB Header, [87832](#) Vertical, Surface Mount PCB

|  |        |
|--|--------|
| Duration at Max. Process Temperature (seconds) | 012    |
| Lead-freeProcess Capability                    | REFLOW |
| Max. Cycles at Max. Process Temperature        | 001    |
| Process Temperature max. C                     | 260    |

**Material Info**

**Reference - Drawing Numbers**

|                         |                   |
|-------------------------|-------------------|
| Packaging Specification | 873810001-PK-000  |
| Product Specification   | PS-87380-002-001  |
| Sales Drawing           | SD-87381-XXXX-001 |

This document was generated on 10/26/2018

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