

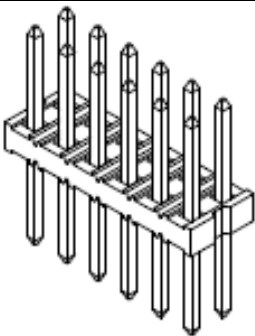
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**Part Number:** [0877582017](#)  
**Status:** **Active**  
**Overview:** Milli-Grid Connector System  
**Description:** 2.00mm Pitch Milli-Grid Header, Through Hole, Vertical, 20 Circuits, 0.76µm Gold (Au)  
Selective Plating, Pocket Tray Packaging, Lead-Free

**Documents:**  
[3D Model](#) [Packaging Specification PK-89990-487-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [Test Summary 877610000-TS-000 \(PDF\)](#)  
[Product Specification PS-87761-100-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

|                             |                                             |
|-----------------------------|---------------------------------------------|
| <b>Agency Certification</b> |                                             |
| UL                          | E29179                                      |
| <b>General</b>              |                                             |
| Product Family              | PCB Headers                                 |
| Series                      | <a href="#">87758</a>                       |
| 3D Viewer                   | Yes                                         |
| Application                 | Board-to-Board, Signal                      |
| CURRENT-MAX-NUMERIC         | 2.0                                         |
| Overview                    | <a href="#">Milli-Grid Connector System</a> |
| PITCH-MATING-NUMERIC        | 2.00                                        |
| Product Name                | Milli-Grid                                  |
| UPC                         | 822348273591                                |

|                                |                 |
|--------------------------------|-----------------|
| <b>Physical</b>                |                 |
| Breakaway                      | Yes             |
| Circuits (Loaded)              | 20              |
| Circuits (maximum)             | 20              |
| 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          | None            |
| Lock to Mating Part            | None            |
| Mated Height                   | 4.00mm          |
| Material - Metal               | Phosphor Bronze |
| Material - Plating Mating      | Gold            |
| Material - Plating Termination | Tin             |
| Material - Resin               | Nylon           |
| Net Weight                     | 0.507/g         |
| Number of Rows                 | 2               |
| Orientation                    | Vertical        |
| PC Tail Length                 | 2.60mm          |
| PCB Locator                    | No              |
| PCB Retention                  | None            |
| PCB Thickness - Recommended    | 1.60mm          |
| Packaging Type                 | Tray            |
| Pitch - Mating Interface       | 2.00mm          |
| Pitch - Termination Interface  | 2.00mm          |
| Plating min - Mating           | 0.762µm         |
| Polarized to Mating Part       | No              |
| Polarized to PCB               | No              |
| Shrouded                       | No              |
| Stackable                      | No              |



Series image - Reference only

|                                                                                                                                                                                                                                                   |                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| <b>EU ELV</b><br><b>Not Relevant</b>                                                                                                                                                                                                              |                                              |
| <b>EU RoHS</b><br><b>Compliant</b><br><b>REACH SVHC</b><br>Not Contained Per -<br>ED/71/2019 (16 July<br>2019)<br><b>Halogen-Free</b><br><b>Status</b><br><b>Not Low-Halogen</b><br>For more information, please visit <a href="#">Contact US</a> | <b>China RoHS</b>                            |
| China ROHS<br>ELV<br>RoHS Phthalates                                                                                                                                                                                                              | Green Image<br>Not Relevant<br>Not Contained |

**Search Parts in this Series**  
[87758](#) 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 Top Entry Surface Mount Receptacle [87381](#) , Milli-Grid Crimp Housing [51110](#)

|                                                |                  |
|------------------------------------------------|------------------|
| Surface Mount Compatible (SMC)                 | Yes              |
| Temperature Range - Operating                  | -55° to +105°C   |
| Termination Interface: Style                   | Through Hole     |
| <b>Electrical</b>                              |                  |
| Current - Maximum per Contact                  | 2.0A             |
| Voltage - Maximum                              | 125V             |
| <b>Solder Process Data</b>                     |                  |
| Duration at Max. Process Temperature (seconds) | 003              |
| Lead-freeProcess Capability                    | WAVE             |
| Max. Cycles at Max. Process Temperature        | 001              |
| Process Temperature max. C                     | 250              |
| <b>Material Info</b>                           |                  |
| <b>Reference - Drawing Numbers</b>             |                  |
| Packaging Specification                        | PK-89990-487-001 |
| Product Specification                          | PS-87761-100-001 |
| Sales Drawing                                  | SD-87758-107-001 |
| Test Summary                                   | 877610000-TS-000 |

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