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**Part Number:** [0877582216](#)  
**Status:** **Active**  
**Overview:** [Milli-Grid™](#)  
**Description:** 2.00mm (.079") Pitch Milli-Grid™ Header, Through Hole, Vertical, 22 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating, Pocket Tray Packaging, Lead-free

**Documents:**

[3D Model](#) [Product Specification PS-87761-100 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

|                |                             |
|----------------|-----------------------------|
| Product Family | PCB Headers                 |
| Series         | <a href="#">87758</a>       |
| Application    | Board-to-Board              |
| Overview       | <a href="#">Milli-Grid™</a> |
| Product Name   | Milli-Grid™                 |

**Physical**

|                                |                 |
|--------------------------------|-----------------|
| Breakaway                      | Yes             |
| Circuits (Loaded)              | 22              |
| Circuits (maximum)             | 22              |
| Color - Resin                  | Black           |
| First Mate / Last Break        | No              |
| Flammability                   | 94V-0           |
| Glow-Wire Compliant            | No              |
| Guide to Mating Part           | No              |
| Keying to Mating Part          | None            |
| Lock to Mating Part            | None            |
| Mated Height (in)              | 0.157 In        |
| Mated Height (mm)              | 4.00 mm         |
| Material - Metal               | Phosphor Bronze |
| Material - Plating Mating      | Gold            |
| Material - Plating Termination | Tin             |
| Material - Resin               | Nylon           |
| Number of Rows                 | 2               |
| Orientation                    | Vertical        |
| PC Tail Length (in)            | 0.102 In        |
| PC Tail Length (mm)            | 2.60 mm         |
| PCB Locator                    | No              |
| PCB Retention                  | None            |
| PCB Thickness Recommended (in) | 0.063 In        |
| PCB Thickness Recommended (mm) | 1.60 mm         |
| Packaging Type                 | Tray            |
| Pitch - Mating Interface (in)  | 0.079 In        |
| Pitch - Mating Interface (mm)  | 2.00 mm         |
| Pitch - Term. Interface (in)   | 0.079 In        |
| Pitch - Term. Interface (mm)   | 2.00 mm         |
| Plating min: Mating (µin)      | 15              |
| Plating min: Mating (µm)       | 0.38            |
| Polarized to Mating Part       | No              |
| Polarized to PCB               | No              |
| Shrouded                       | No              |
| Stackable                      | No              |
| Surface Mount Compatible (SMC) | Yes             |
| Temperature Range - Operating  | -55°C to +105°C |
| Termination Interface: Style   | Through Hole    |

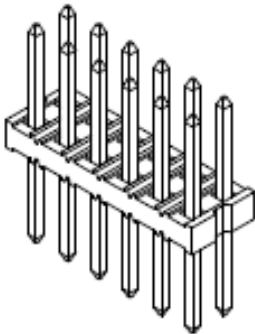


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Series

**EU RoHS**

**ELV and RoHS  
Compliant**  
**REACH SVHC  
Contains SVHC: No**  
**Halogen-Free  
Status**

**China RoHS**



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environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of  
Compliance, [click here](#)

Please visit the [Contact Us](#) section for any  
non-product compliance questions.

**Search Parts in this Series**  
[87758Series](#)

**Mates With**  
[79107](#) Milli-Grid™ Receptacle, Vertical,  
Through Hole. [79108](#) Milli-Grid™ Flex-to-  
Board, Vertical Receptacle. Milli-Grid™  
Receptacle, Surface Mount. [79109](#). [87381](#)

**Electrical**

|                   |        |
|-------------------|--------|
| Current - Maximum | 2A     |
| UL                | E29179 |
| Voltage - Maximum | 125V   |

**Solder Process Data**

|                                                |                        |
|------------------------------------------------|------------------------|
| Duration at Max. Process Temperature (seconds) | 3                      |
| Lead-free Process Capability                   | Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature        | 1                      |
| Process Temperature max. C                     | 250                    |

**Material Info**

**Reference - Drawing Numbers**

|                       |              |
|-----------------------|--------------|
| Product Specification | PS-87761-100 |
| Sales Drawing         | SD-87758-107 |

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