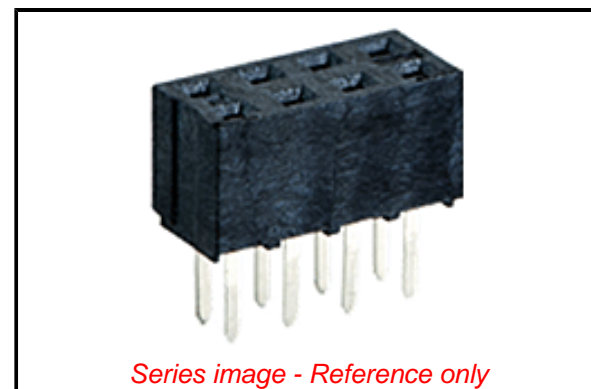


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0787871054](#)  
**Status:** **Active**  
**Overview:** Milli-Grid Connector System  
**Description:** 2.00mm Pitch Milli-Grid Receptacle, Vertical, Through Hole, Dual Row, 1.91mm Tail Length, Tin Plating, 10 Circuits, Lead-Free

**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-78787-001 (PDF)</a>       |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |
| <a href="#">Product Specification PS-78787-001-001 (PDF)</a> |  |



*Series image - Reference only*

**Agency Certification**

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

**General**

|                |   |
|----------------|---|
| Product Family | PCB Receptacles                             |
| Series         | <a href="#">78787</a>                       |
| Application    | Board-to-Board, Signal                      |
| Overview       | <a href="#">Milli-Grid Connector System</a> |
| Product Name   | Milli-Grid                                  |
| UPC            | 889056229098                                |

**Physical**

|                                |                        |
|--------------------------------|------------------------|
| Circuits (Loaded)              | 10                     |
| Circuits (maximum)             | 10                     |
| Color - Resin                  | Black                  |
| Durability (mating cycles max) | 30                     |
| Flammability                   | 94V-0                  |
| Glow-Wire Capable              | No                     |
| Guide to Mating Part           | No                     |
| Keying to Mating Part          | None                   |
| Lock to Mating Part            | None                   |
| Material - Metal               | Copper Alloy           |
| Material - Plating Mating      | Tin                    |
| Material - Plating Termination | Tin                    |
| Material - Resin               | Liquid Crystal Polymer |
| Net Weight                     | 0.289/g                |
| Number of Rows                 | 2                      |
| Orientation                    | Vertical               |
| PC Tail Length                 | 1.91mm                 |
| PCB Locator                    | No                     |
| PCB Retention                  | None                   |
| PCB Thickness - Recommended    | 0.80mm                 |
| Packaging Type                 | Tube                   |
| Pitch - Mating Interface       | 2.00mm                 |
| Pitch - Termination Interface  | 2.00mm                 |
| Plating min - Mating           | 2.500µm                |
| Plating min - Termination      | 2.500µm                |
| Polarized to Mating Part       | No                     |
| Polarized to PCB               | No                     |
| Stackable                      | No                     |
| Surface Mount Compatible (SMC) | No                     |
| Temperature Range - Operating  | 0° to +105°C           |
| Termination Interface: Style   | Through Hole           |

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)4578-DC (25  
June 2020)

**Halogen-Free**

**Status**

**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**

[78787](#) Series

**Mates With**

Milli-Grid Header [87758](#) , [87759](#) , [87760](#) ,  
[87831](#) , [87832](#) , [87833](#) <br> Milli-Grid Low-  
Halogen Header [151117](#) , [151118](#) , [151119](#) ,  
[151120](#)

**Electrical**

|                               |                  |
|-------------------------------|------------------|
| Current - Maximum per Contact | 1.0A             |
| Voltage - Maximum             | 125V AC (RMS)/DC |

**Solder Process Data**

|  |      |
|--|------|
| Duration at Max. Process Temperature (seconds) | 010  |
| Lead-free Process Capability                   | WAVE |
| 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-78787-001     |
| Product Specification     | PS-78787-001-001 |
| Sales Drawing             | SD-78787-001-001 |

This document was generated on 10/21/2020

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