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**Part Number:** [0791098424](#)  
**Status:** **Active**  
**Overview:** [Milli-Grid Connector System](#)  
**Description:** Milli-Grid Receptacle, Surface Mount, Vertical, Top/Bottom Entry, without Press-fit Plastic Pegs, with Cap, Embossed Tape on Reel, 0.38µm Gold (Au) Selective, 50 Circuits, Lead-Free

**Documents:**

|                                                          |                                                                  |
|----------------------------------------------------------|------------------------------------------------------------------|
| <a href="#">3D Model</a>                                 | <a href="#">Application Specification 503940001-AS-000 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                            | <a href="#">Packaging Specification PK-70873-0259-001 (PDF)</a>  |
| <a href="#">3D Model (PDF)</a>                           | <a href="#">Test Summary TS-79109-001-001 (PDF)</a>              |
| <a href="#">Product Specification PS-79107-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |

**Agency Certification**

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

**General**

|                |                                             |
|----------------|---------------------------------------------|
| Product Family | PCB Receptacles                             |
| Series         | <a href="#">79109</a>                       |
| Application    | Board-to-Board, Signal                      |
| Overview       | <a href="#">Milli-Grid Connector System</a> |
| Product Name   | Milli-Grid                                  |
| UPC            | 822348492480                                |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 50                             |
| Circuits (maximum)             | 50                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 50                             |
| 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                     | 1.381/g                        |
| Number of Rows                 | 2                              |
| Orientation                    | Vertical                       |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| Packaging Type                 | Embossed Tape on Reel          |
| Pitch - Mating Interface       | 2.00mm                         |
| Plating min - Mating           | 0.381µm                        |
| Plating min - Termination      | 1.905µm                        |
| Polarized to PCB               | No                             |
| 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) | 010    |
| Lead-freeProcess Capability                    | REFLOW |
| Max. Cycles at Max. Process Temperature        | 001    |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/88/2018 (15  
January 2019)

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

|                 |               |
|-----------------|---------------|
| China ROHS      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**

[79109 Series](#)

**Mates With**

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

|                                    |                    |
|------------------------------------|--------------------|
| Process Temperature max. C         | 260                |
| <b>Material Info</b>               |                    |
| <b>Reference - Drawing Numbers</b> |                    |
| Application Specification          | 503940001-AS-000   |
| Packaging Specification            | PK-70873-0259-001  |
| Product Specification              | PS-79107-001       |
| Sales Drawing                      | SDA-79109-XXXX-001 |
| Test Summary                       | TS-79109-001-001   |

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