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Part Number:

0877591215

Status:

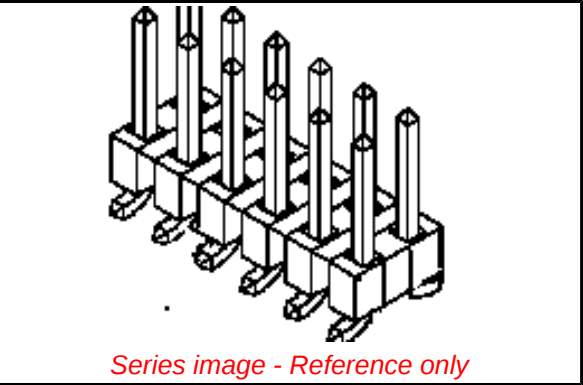
Active

Overview:

Milli-Grid Connector System

Description:

Milli-Grid Header, Surface Mount, Vertical, 12 Circuits, 0.76µm Gold (Au) Selective Plating, without Press-fit Plastic Pegs, Lead-Free



Documents:

3D Model

Drawing (PDF)

Product Specification PS-87761-100-001 (PDF)

Application Specification 503940001-AS-000 (PDF)

Packaging Specification PK-89990-475-001 (PDF)

Test Summary 877610000-TS-000 (PDF)

RoHS Certificate of Compliance (PDF)

|                      |  |                             |
|----------------------|--|-----------------------------|
| Agency Certification |  |                             |
| UL                   |  | E29179                      |
| General              |  |                             |
| Product Family       |  | PCB Headers                 |
| Series               |  | 87759                       |
| Application          |  | Board-to-Board, Signal      |
| Overview             |  | Milli-Grid Connector System |
| Product Name         |  | Milli-Grid                  |
| Taxonomy             |  | PCB Headers and Receptacles |
| UPC                  |  | 822348311194                |

|                                |  |                                |
|--------------------------------|--|--------------------------------|
| Physical                       |  |                                |
| Breakaway                      |  | Yes                            |
| Circuits (Loaded)              |  | 12                             |
| Circuits (maximum)             |  | 12                             |
| 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                   |  | 3.80mm                         |
| Material - Metal               |  | Phosphor Bronze                |
| Material - Plating Mating      |  | Gold                           |
| Material - Plating Termination |  | Tin                            |
| Material - Resin               |  | High Temperature Thermoplastic |
| Net Weight                     |  | 0.304/g                        |
| Number of Rows                 |  | 2                              |
| Orientation                    |  | Vertical                       |
| PCB Locator                    |  | No                             |
| PCB Retention                  |  | None                           |
| Packaging Type                 |  | Tube                           |
| 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                      |  | Yes                            |
| Temperature Range - Operating  |  | -55° to +105°C                 |
| Termination Interface: Style   |  | Surface Mount                  |

|                                                               |               |
|---------------------------------------------------------------|---------------|
| EU ELV                                                        |               |
| Not Relevant                                                  |               |
| EU RoHS                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per - D(2022)4187-DC (10 June 2022)             |               |
| Halogen-Free                                                  |               |
| Status                                                        |               |
| Not Low-Halogen                                               |               |
| For more information, please visit <a href="#">Contact US</a> |               |
| China ROHS                                                    | Green Image   |
| ELV                                                           | Not Relevant  |
| RoHS Phthalates                                               | Not Contained |

Search Parts in this Series

87759 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](#)

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 2.0A |
| Voltage - Maximum             | 125V |

**Solder Process Data**

|                                                |        |
|------------------------------------------------|--------|
| Duration at Max. Process Temperature (seconds) | 010    |
| Lead-freeProcess Capability                    | REFLOW |
| Max. Cycles at Max. Process Temperature        | 003    |
| Process Temperature max. C                     | 260    |

**Material Info**

**Reference - Drawing Numbers**

|                           |                  |
|---------------------------|------------------|
| Application Specification | 503940001-AS-000 |
| Packaging Specification   | PK-89990-475-001 |
| Product Specification     | PS-87761-100-001 |
| Sales Drawing             | SD-87759-117-001 |
| Test Summary              | 877610000-TS-000 |

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