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Part Number:

0878322014

Status:

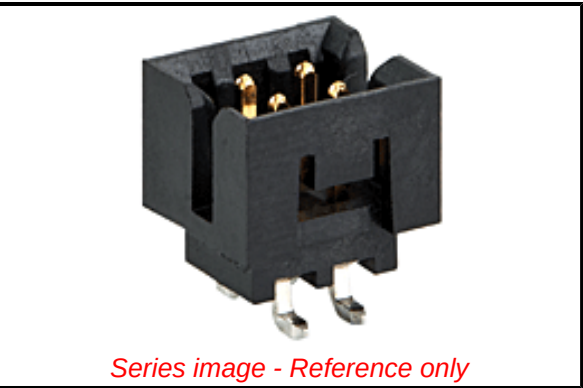
Active

Overview:

Milli-Grid Connector System

Description:

2.00mm Pitch, Milli-Grid PCB Header, Dual Row, Vertical, Surface Mount, Shrouded, Lead-Free, 20 Circuits, 0.38µm Gold (Au) Plating, with Locking Windows, Center Polarization Slot, Cap, without PCB Locator, Tape and Reel



Documents:

3D Model

Drawing (PDF)

Product Specification PS-87831-027-001 (PDF)

Packaging Specification PK-87831-001-001 (PDF)

RoHS Certificate of Compliance (PDF)

|                                |                                                                                                                              |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Agency Certification           |                                                                                                                              |
| CSA                            | LR19980                                                                                                                      |
| UL                             | E29179                                                                                                                       |
| General                        |                                                                                                                              |
| Product Family                 | PCB Headers                                                                                                                  |
| Series                         | 87832                                                                                                                        |
| 3D Viewer                      | Yes                                                                                                                          |
| Application                    | Signal, Wire-to-Board                                                                                                        |
| CURRENT-MAX-NUMERIC            | 2.0                                                                                                                          |
| Comments                       | With Cap Contact Molex for application in automotive industry, With Cap Contact Molex for application in automotive industry |
| Overview                       | Milli-Grid Connector System                                                                                                  |
| PITCH-MATING-NUMERIC           | 2.00                                                                                                                         |
| Product Name                   | Milli-Grid                                                                                                                   |
| UPC                            | 822348112548                                                                                                                 |
| Physical                       |                                                                                                                              |
| Breakaway                      | No                                                                                                                           |
| 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          | Yes                                                                                                                          |
| Lock to Mating Part            | Yes                                                                                                                          |
| Material - Metal               | Phosphor Bronze                                                                                                              |
| Material - Plating Mating      | Gold                                                                                                                         |
| Material - Plating Termination | Tin                                                                                                                          |
| Material - Resin               | Nylon                                                                                                                        |
| Net Weight                     | 0.927/g                                                                                                                      |
| Number of Rows                 | 2                                                                                                                            |
| Orientation                    | Vertical                                                                                                                     |
| PCB Locator                    | No                                                                                                                           |
| PCB Retention                  | None                                                                                                                         |
| Packaging Type                 | Embossed Tape on Reel                                                                                                        |
| Pitch - Mating Interface       | 2.00mm                                                                                                                       |
| Pitch - Termination Interface  | 2.00mm                                                                                                                       |
| Plating min - Mating           | 0.381µm                                                                                                                      |
| Plating min - Termination      | 1.905µm                                                                                                                      |
| Polarized to PCB               | No                                                                                                                           |

|                                               |               |
|-----------------------------------------------|---------------|
| EU ELV                                        |               |
| Not Relevant                                  |               |
| EU RoHS                                       | China RoHS    |
| Compliant                                     |               |
| REACH SVHC                                    |               |
| Not Contained Per - ED/71/2019 (16 July 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

87832 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 Crimp Housing 51110 , Milli-Grid Cable-to-Board Receptacle 87568

|                                |                |
|--------------------------------|----------------|
| Shrouded                       | Fully          |
| Stackable                      | No             |
| Surface Mount Compatible (SMC) | Yes            |
| Temperature Range - Operating  | -55° to +105°C |
| Termination Interface: Style   | Surface Mount  |

**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        | 001    |
| Process Temperature max. C                     | 260    |

**Material Info**

**Reference - Drawing Numbers**

|                         |                   |
|-------------------------|-------------------|
| Packaging Specification | PK-87831-001-001  |
| Product Specification   | PS-87831-027-001  |
| Sales Drawing           | SD-87832-0001-001 |

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