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Part Number:

0878323023

Status:

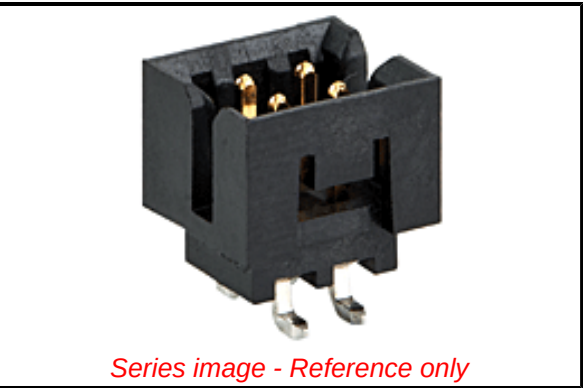
Active

Overview:

Milli-Grid Connector System

Description:

2.00mm Pitch, Milli-Grid PCB Header, Dual Row, Vertical, Surface Mount, Shrouded, Lead-Free, 30 Circuits, 0.76µm Gold (Au) Plating, Pick-and-Place Cap, with Locking Windows and Center Polarization Slot, PCB Locator, Tube



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                            | 822348352241                                                                                                                 |
| Physical                       |                                                                                                                              |
| Breakaway                      | No                                                                                                                           |
| Circuits (Loaded)              | 30                                                                                                                           |
| Circuits (maximum)             | 30                                                                                                                           |
| 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                     | 1.369/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                                                                                                                      |
| Plating min - Termination      | 1.905µm                                                                                                                      |
| Polarized to PCB               | No                                                                                                                           |

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

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

|                                                |                    |
|------------------------------------------------|--------------------|
| Robotic Placement                              | Pick and Place Cap |
| Shrouded                                       | Fully              |
| Stackable                                      | No                 |
| Surface Mount Compatible (SMC)                 | Yes                |
| Temperature Range - Operating                  | -55° to +105°C     |
| Termination Interface: Style                   | Surface Mount      |
| <b>Electrical</b>                              |                    |
| Current - Maximum per Contact                  | 2.0A               |
| Voltage - Maximum                              | 125V               |
| <b>Solder Process Data</b>                     |                    |
| Duration at Max. Process Temperature (seconds) | 010                |
| Lead-freeProcess Capability                    | REFLOW             |
| Max. Cycles at Max. Process Temperature        | 001                |
| Process Temperature max. C                     | 260                |
| <b>Material Info</b>                           |                    |
| <b>Reference - Drawing Numbers</b>             |                    |
| Packaging Specification                        | PK-87831-001-001   |
| Product Specification                          | PS-87831-027-001   |

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