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Part Number:

0878312221

Status:

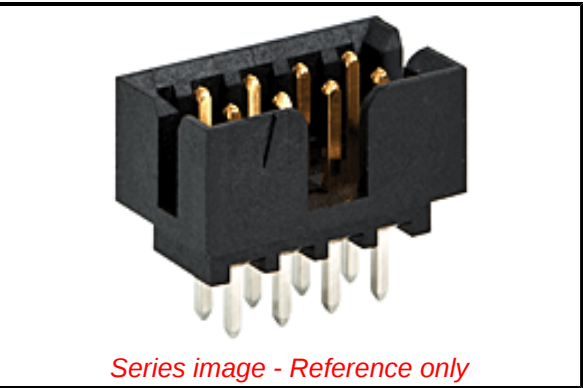
Active

Overview:

Milli-Grid Connector System

Description:

2.00mm Pitch Milli-Grid Header, Vertical, Through Hole, Shrouded, 22 Circuits, 0.76µm Gold (Au) Plating, with Center Polarization Slot, with Locking Window, without 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                         | 87831                                                |
| Application                    | Signal, Wire-to-Board                                |
| Comments                       | Contact Molex for application in automotive industry |
| Overview                       | Milli-Grid Connector System                          |
| Product Name                   | Milli-Grid                                           |
| UPC                            | 822348331932                                         |
| Physical                       |                                                      |
| Breakaway                      | No                                                   |
| Circuits (Loaded)              | 22                                                   |
| Circuits (maximum)             | 22                                                   |
| 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            | Yes                                                  |
| Material - Metal               | Phosphor Bronze                                      |
| Material - Plating Mating      | Gold                                                 |
| Material - Plating Termination | Tin                                                  |
| Material - Resin               | Nylon                                                |
| Net Weight                     | 0.987/g                                              |
| Number of Rows                 | 2                                                    |
| Orientation                    | Vertical                                             |
| PC Tail Length                 | 2.50mm                                               |
| PCB Locator                    | No                                                   |
| PCB Retention                  | None                                                 |
| PCB Thickness - Recommended    | 1.60mm                                               |
| 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                                                   |
| Shrouded                       | Yes                                                  |
| Stackable                      | No                                                   |
| Surface Mount Compatible (SMC) | Yes                                                  |

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per

-ED/01/2018 (15

January 2018)

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

87831 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

|                                    |                   |
|------------------------------------|-------------------|
| Temperature Range - Operating      | -55° to +105°C    |
| Termination Interface: Style       | Through Hole      |
| <b>Electrical</b>                  |                   |
| Current - Maximum per Contact      | 2.0A              |
| Voltage - Maximum                  | 125V              |
| <b>Solder Process Data</b>         |                   |
| Lead-freeProcess Capability        | WAVE              |
| <b>Material Info</b>               |                   |
| <b>Reference - Drawing Numbers</b> |                   |
| Packaging Specification            | PK-87831-001-001  |
| Product Specification              | PS-87831-027-001  |
| Sales Drawing                      | SD-87831-0001-001 |

This document was generated on 10/29/2018

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