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**Part Number:** 0878314219

Status: **Active** 

Overview: Milli-Grid Connector System

2.00mm Pitch Milli-Grid Header, Vertical, Through Hole, Shrouded, 42 Circuits, **Description:** 

0.127µm Gold (Au) Plating, without Center Polarization Slot, without Locking Window,

without PCB Locator, Tube

**Documents:** 

3D Model Packaging Specification PK-87831-001-001 (PDF)

RoHS Certificate of Compliance (PDF) Drawing (PDF)

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

**Agency Certification** 

CSA LR19980 UL E29179

General

**PCB Headers Product Family** 

Series 87831

Application Signal, Wire-to-Board

Contact Molex for application in automotive industry Comments

No

Yes

No

Yes

Milli-Grid Connector System Overview

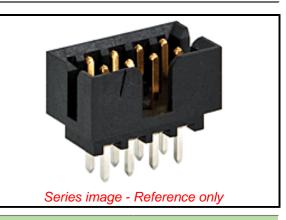
**Product Name** Milli-Grid **UPC** 822348332809

**Physical** 

Breakaway No Circuits (Loaded) 42 Circuits (maximum) 42 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 Nvlon Net Weight 1.839/a 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 0.127um 1.905µm Plating min - Termination



### **EU ELV**

**Not Relevant** 

**EU RoHS China RoHS** 

Compliant **REACH SVHC** 

Not Contained Per -ED/61/2018 (27 June

2018)

**Halogen-Free** 

**Status** 

**Not Low-Halogen** 

For more information, please visit Contact US

China ROHS Green Image Not Relevant ELV **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

Polarized to PCB

Surface Mount Compatible (SMC)

Shrouded

Stackable

Temperature Range - Operating -55° to +105°C
Termination Interface: Style Through Hole

**Electrical** 

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

**Material Info** 

**Reference - Drawing Numbers** 

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

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