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Part Number: 0878310841

Status: **Active**

Overview: Milli-Grid Connector System

2.00mm Pitch, Milli-Grid PCB Header, Dual Row, Vertical, Through Hole, Shrouded, **Description:**

8 Circuits, 0.38µm Gold (Au) Plating, without Center Polarization Slot, with Locking

Window, without PCB Locator, Tube

Documents:

3D Model Application Specification 503940001-AS-000 (PDF) Packaging Specification PK-87831-001-001 (PDF) Drawing (PDF)

3D Model (PDF) RoHS Certificate of Compliance (PDF)

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

Agency Certification

CSA LR19980 UL E29179

General

Product Family PCB Headers

Series 87831

Signal, Wire-to-Board Application

Contact Molex for application in automotive industry Comments

Nο

Milli-Grid Connector System Overview

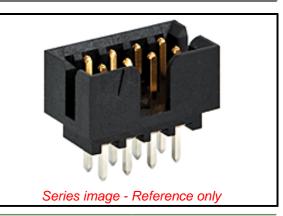
Product Name Milli-Grid **UPC** 822348274048

Physical

Breakaway No Circuits (Loaded) 8 Circuits (maximum) 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 0.395/gNumber of Rows 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 0.381um Plating min - Termination 1.905µm Polarized to PCB No Shrouded Yes



EU ELV

Not Relevant

EU RoHS China RoHS

Compliant

REACH SVHC

Not Contained Per -D(2021)4569-DC (8

July 2021)

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

Stackable

Surface Mount Compatible (SMC) Yes

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

Electrical

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

Solder Process Data

Duration at Max. Process Temperature (seconds)
Lead-freeProcess Capability
Max. Cycles at Max. Process Temperature
001
Process Temperature max. C
260

Material Info

Reference - Drawing Numbers

Application Specification503940001-AS-000Packaging SpecificationPK-87831-001-001Product SpecificationPS-87831-027-001Sales DrawingSD-87831-0001-001

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