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Part Number: 0878321421

Status: Active

Overview: Milli-Grid Connector System

Description: 2.00mm Pitch, Milli-Grid PCB Header, Dual Row, Vertical, Surface Mount, Shrouded,

Lead-Free, 14 Circuits, 0.76µm Gold (Au) Plating, with Locking Windows and Center

Polarization Slot, PCB Locator, Tube

Documents:

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

<u>Drawing (PDF)</u> <u>Datasheet (PDF)</u>

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

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA LR19980 UL E29179

General

Product Family PCB Headers

Series <u>87832</u>

Application Signal, Wire-to-Board

Comments Without Cap|Contact Molex for application in automotive

industry

Overview <u>Milli-Grid Connector System</u>

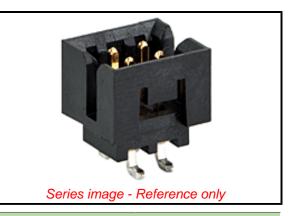
Product Name Milli-Grid UPC 822348274451

Physical

Breakaway No Circuits (Loaded) 14 Circuits (maximum) 14 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 0.671/gNumber of Rows Orientation Vertical **PCB** Locator Yes **PCB** Retention None Packaging Type Tube Pitch - Mating Interface 2.00mm Pitch - Termination Interface 2.00mm Plating min - Mating 0.762um 1.905µm Plating min - Termination Polarized to PCB No Shrouded **Fully** Stackable No Surface Mount Compatible (SMC) Yes



EU ELV

Not Relevant

EU RoHS China RoHS

Compliant

REACH SVHC

Not Contained Per - ECHA_01_2020 (16

January 2020 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

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)

Lead-freeProcess Capability

Max. Cycles at Max. Process Temperature

O01

Process Temperature max. C

260

Material Info

Reference - Drawing Numbers

Application Specification503940001-AS-000Packaging SpecificationPK-87831-001-001Product SpecificationPS-87831-027-001Sales DrawingSD-87832-0001-001

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