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Part Number: 0878321420

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, 0.38µm Gold (Au) Plating, with Locking Windows and Centre

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 Contact Molex for application in automotive industry

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

Product Name Milli-Grid UPC 822348231973

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

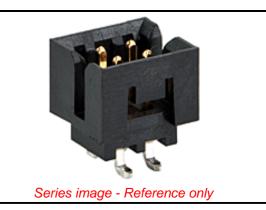
Material - Metal Phosphor Bronze

Material - Plating Mating Gold Material - Plating Termination Tin Material - Resin Nvlon Net Weight 0.671/gNumber of Rows Orientation Vertical **PCB** Locator Nο **PCB** Retention None Packaging Type Tube Pitch - Mating Interface 2.00mm Pitch - Termination Interface 2.00mm Plating min - Mating 0.381um Plating min - Termination 1.905um Polarized to PCB No Shrouded Fully Stackable No

Temperature Range - Operating -55° to +105°C

Yes

Surface Mount Compatible (SMC)



EU ELV

Compliant

EU RoHS China RoHS

Compliant

REACH SVHC
Not Contained Per -

D(2020)4578-DC (25

June 2020)

Halogen-Free

Status

Not Low-Halogen

For more information, please visit Contact US

China ROHS Green Image
ELV Compliant
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

Termination Interface: Style **Surface Mount**

Electrical

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

Solder Process Data

Duration at Max. Process Temperature (seconds) 005 Lead-freeProcess Capability **REFLOW** Max. Cycles at Max. Process Temperature 003 Process Temperature max. C 260

Material Info

Reference - Drawing Numbers Application Specification 503940001-AS-000 Packaging Specification PK-87831-001-001 **Product Specification** PS-87831-027-001 Sales Drawing SD-87832-0001-001

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