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Part Number: 0878321010

Status: Active

Overview: Milli-Grid Connector System

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

Lead-Free, 10 Circuits, 0.38µm Gold (Au) Plating, with Locking Window, without Cap,

PCB Locator, Tube

Documents:

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

3D Model (PDF) Datasheet (PDF)

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

Yes

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

Product Name Milli-Grid UPC 822348266647

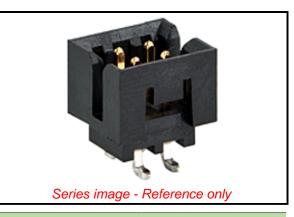
Physical

Breakaway No Circuits (Loaded) 10 Circuits (maximum) 10 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 0.467/gNumber of Rows Orientation Vertical **PCB** Locator No **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



EU ELV

Not Relevant

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 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

Surface Mount Compatible (SMC)

Termination Interface: Style **Surface Mount**

Electrical

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

Solder Process Data

Duration at Max. Process Temperature (seconds) 010 Lead-freeProcess Capability **REFLOW** Max. Cycles at Max. Process Temperature 001 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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