

This document was generated on 04/13/2020

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0878325422

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 Pick-and-Place Cap, without Side Locking Window, with Center Locking Window, with Centre Polarization Slot

Documents:

3D Model Packaging Specification PK-87831-001-001 (PDF)
3D Model (PDF) Packaging Specification PK-87832-300-001 (PDF)

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

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

RoHS Certificate of Compliance (PDF)

Application Specification 503940001-AS-000 (PDF)

Agency Certification

CSA LR19980 UL E29179

General

Product Family PCB Headers

Series <u>87832</u>

Application Signal, Wire-to-Board

Comments With Cap|Contact Molex for application in automotive

industry

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

Product Name Milli-Grid UPC 822348271443

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

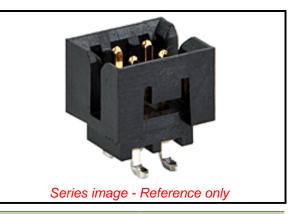
Material - Plating Mating Gold Material - Plating Termination Tin Material - Resin Nylon Net Weight 0.476/gNumber of Rows 2 Orientation Vertical **PCB** Locator No **PCB** Retention None

Packaging Type Embossed Tape on Reel

Pitch - Mating Interface 2.00mm
Pitch - Termination Interface 2.00mm
Plating min - Mating 0.381
Plating min - Termination 1.905
Polarized to PCB No

Robotic Placement Pick and Place Cap

Shrouded Fully



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

Stackable No Surface Mount Compatible (SMC) Yes

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 Specification 503940001-AS-000

Packaging Specification PK-87831-001-001, PK-87832-300-001

Product Specification PS-87831-027-001 Sales Drawing SD-87832-0001-001

This document was generated on 04/13/2020

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION