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Part Number:

0878313220

Status:

Active

Overview:

Milli-Grid Connector System

Description:

2.00mm Pitch, Milli-Grid PCB Header, Dual Row, Vertical, Through Hole, Shrouded, 32 Circuits, 0.38µm Gold (Au) Plating, with Center Polarization Slot, with Locking Window, without PCB Locator, Tube

Documents:

3D Model

Application Specification 503940001-AS-000 (PDF)

Drawing (PDF)

Packaging Specification PK-87831-001-001 (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

Application

Signal, Wire-to-Board

Comments

Contact Molex for application in automotive industry

Component Type

PCB Header

Overview

Milli-Grid Connector System

Product Name

Milli-Grid

Taxonomy

PCB Headers and Receptacles

UPC

822348274208

Physical

Breakaway

No

Circuits (Loaded)

32

Circuits (maximum)

32

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

Nylon

Net Weight

1.433/g

Number of Rows

2

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

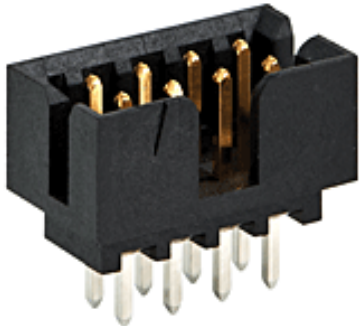
0.381µm

Plating min - Termination

1.905µm

Polarized to PCB

No



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

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

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](#)

Shrouded	Yes
Stackable	No
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)	010
Lead-freeProcess Capability	WAVE
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-87831-0001-001

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