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Part Number:

0878331621

Status:

Active

Overview:

Milli-Grid™ Connector System

Description:

Milli-Grid™ Header, Right Angle, Shrouded, Lead-Free, 16 Circuits, 0.76µm Gold (Au) Plating, without PCB Locator, with Locking Windows, Center Polarization Slot, Tube

Documents:

3D Model

Packaging Specification PK-87831-001 (PDF)

Drawing (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

87833

Application

Signal, Wire-to-Board

Comments

Contact Molex for application in automotive industry

Overview

Milli-Grid™ Connector System

Product Name

Milli-Grid™

UPC

822348274734

Physical

Breakaway

No

Circuits (Loaded)

16

Circuits (maximum)

16

Color - Resin

Black

Durability (mating cycles max)

100

First Mate / Last Break

No

Flammability

94V-0

Glow-Wire Compliant

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

867.304/mg

Number of Rows

2

Orientation

Right Angle

PC Tail Length

2.16mm

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

0.762µm

Plating min - Termination

1.905µm

Polarized to PCB

No

Shrouded

Fully

Stackable

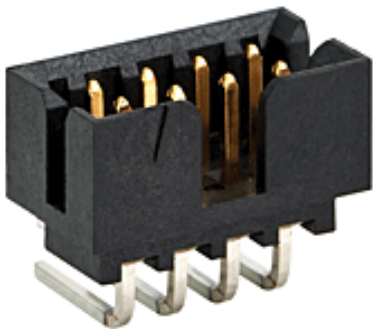
No

Surface Mount Compatible (SMC)

Yes

Temperature Range - Operating

-55°C to +105°C



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per
-ED/01/2017 (12
January 2017)

Halogen-Free

Status

Not Low-Halogen

Need more information on product
environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any
non-product compliance questions.

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series

87833 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	Through Hole
Electrical	
Current - Maximum per Contact	2.0A
Voltage - Maximum	125V
Solder Process Data	
Duration at Max. Process Temperature (seconds)	011
Lead-freeProcess Capability	SMC&WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	265
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-87831-001
Product Specification	PS-87831-027-001
Sales Drawing	SD-87833-0001

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