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Part Number: [0878331620](#)
Status: **Active**
Overview: [Milli-Grid™ Connector System](#)
Description: Milli-Grid™ Header, Right Angle, Shrouded, Lead-Free, 16 Circuits, 0.38µm Gold (Au) Plating, without PCB Locator, with Locking Windows, Center Polarization Slot, Tube

Documents:

[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-87831-027-001 \(PDF\)](#)
[Packaging Specification PK-87831-001 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

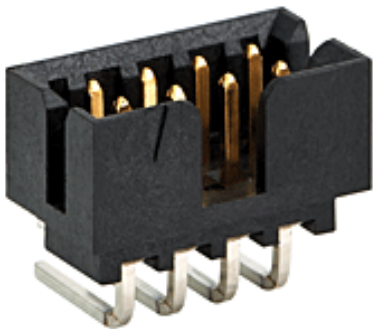
CSA LR19980
UL E29179

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 822348189137

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 Yes
Lock to Mating Part Yes
Material - Metal Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin Nylon
Net Weight 0.859/g
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 0.381µm
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/21/2016 (20 June
2016)

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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