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Part Number: [87832-1242](#)
Status: **Active**
Overview: [Milli-Grid™](#)
Description: 2.00mm Pitch Milli-Grid™ Header, Surface Mount, Vertical, Shrouded, Lead-Free, 12 Circuits, 0.76µm Gold (Au) Plating, with Locking Window, Pick-and-Place Cap, PCB Locator, Embossed Tape on Reel

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

Agency Certification

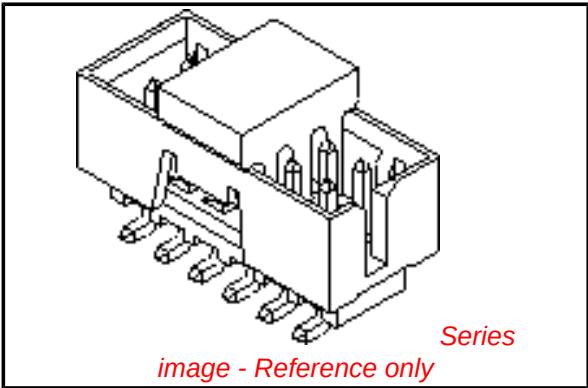
CSA LR19980
UL E29179

General

Product Family PCB Headers
Series [87832](#)
Application Signal, Wire-to-Board
Comments With Cap|Contact Molex for application in automotive industry
Overview [Milli-Grid™](#)
Product Name Milli-Grid™

Physical

Breakaway No
Circuits (Loaded) 12
Circuits (maximum) 12
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
Number 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 0.762µm
Plating min - Termination 1.905µm
Polarized to PCB No
Robotic Placement Pick and Place Cap
Shrouded Fully
Stackable No
Surface Mount Compatible (SMC) Yes
Temperature Range - Operating -55°C to +105°C
Termination Interface: Style Through Hole and Surface Mount



EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Low-Halogen Status
Not Low-Halogen



Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
[87832Series](#)

Mates With
50394 Wire-to-Board Terminals, 51110 Wire-to-Board Crimp Housing, 87568 Wire-to-Board IDT Housings, 79107 Board-to-Board Top Entry Through Hole Receptacle, 79108 Board-to-Board FFC/FPC Top Entry Through Hole Receptacle, L

Electrical

Current - Maximum per Contact	2A
Voltage - Maximum	125V

Solder Process Data

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Product Specification	PS-87831-027
Sales Drawing	SD-87832-013

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