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Part Number: [87832-0411](#)

Status: **Active**

Overview: [Milli-Grid™ Connector System](#)

Description: Milli-Grid™ Header, Surface Mount, Vertical, Shrouded, Lead-Free, 4 Circuits, 0.76µm Gold (Au) Plating, with Locking Window, without Pick-and-Place Cap, without PCB Locator, Tube

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[Product Specification PS-87831-027 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

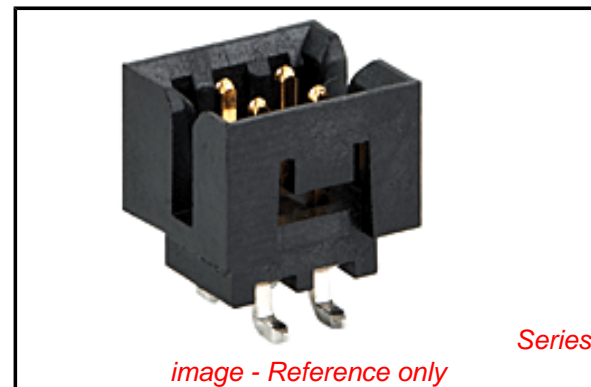
CSA LR19980
UL E29179

General

Product Family PCB Headers
Series [87832](#)
Application Signal, Wire-to-Board
Comments Contact Molex for application in automotive industry
Overview [Milli-Grid™ Connector System](#)
Product Name Milli-Grid™
UPC 822348272198

Physical

Breakaway No
Circuits (Loaded) 4
Circuits (maximum) 4
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 0.227/g
Number of Rows 2
Orientation Vertical
PCB Locator No
PCB Retention None
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
Termination Interface: Style Surface Mount



EU RoHS

**ELV and RoHS
Compliant**

REACH SVHC

Not Reviewed

Low-Halogen Status

Not Low-Halogen

China RoHS



**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, [79109](#) Board-to-
Board Surface Mount PCB Receptacle

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-87832-011

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