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Part Number: [87831-0419](#)
Status: **Active**
Overview: [Milli-Grid™ Connector System](#)
Description: 2.00mm Pitch Milli-Grid™ Header, Vertical, Through Hole, Shrouded, Lead-Free, 4 Circuits, 0.127µmGold (Au) Plating, without Center Polarization Slot, without Locking Window, without PCB Locator, Tube

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 [87831](#)
 Application Signal, Wire-to-Board
 Comments Contact Molex for application in automotive industry
 Overview [Milli-Grid™ Connector System](#)
 Product Name Milli-Grid™
 UPC 822348331956

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 None
 Lock to Mating Part Yes
 Material - Metal Phosphor Bronze
 Material - Plating Mating Gold
 Material - Plating Termination Nickel, Tin
 Material - Resin Nylon
 Net Weight 0.233/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 0.127µm
 Plating min - Termination 1.905µm
 Polarized to PCB No
 Shrouded Yes
 Surface Mount Compatible (SMC) Yes
 Temperature Range - Operating -55°C to +105°C



EU RoHS

ELV and RoHS Compliant
REACH SVHC
 Not Reviewed
Low-Halogen Status
 Not Reviewed

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

[87831Series](#)

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

Termination Interface: Style

Through Hole

Electrical

Current - Maximum per Contact

2A

Voltage - Maximum

125V

Material Info

Reference - Drawing Numbers

Product Specification

PS-87831-027

Sales Drawing

SD-87831-011

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