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Part Number: [87833-3421](#)
Status: **Active**
Overview: Milli-Grid™ Connector System
Description: 2.00mm Pitch Milli-Grid™ Header, Right Angle, Shrouded, Lead-Free, 34 Circuits, 0.76µm Gold (Au) Plating, without PCB Locator, with Locking Windows, Center Polarization Slot, Tube

Documents:

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

Agency Certification

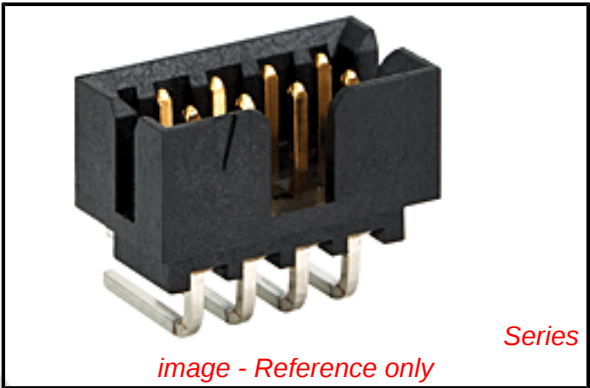
CSA LR19980
UL E29179

General

Product Family PCB Headers
Series [87833](#)
Application Signal, Wire-to-Board
Comments Contact Molex for application in automotive industry
Overview [Milli-Grid™ Connector System](#)
Product Name Milli-Grid™
UPC 822348274789

Physical

Breakaway No
Circuits (Loaded) 34
Circuits (maximum) 34
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 1.774/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 0.762µm
Plating min - Termination 1.905µm
Polarized to PCB No
Shrouded Fully
Stackable No
Surface Mount Compatible (SMC) Yes



EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Contains SVHC: No
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

[87833Series](#)

Mates With

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

Temperature Range - Operating -55°C to +105°C
Termination Interface: Style Through Hole

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Electrical

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

Solder Process Data

Duration at Max. Process Temperature (seconds) 11
Lead-free Process Capability SMC & Wave Capable (TH only)
Max. Cycles at Max. Process Temperature 1
Process Temperature max. C 265

Material Info

Reference - Drawing Numbers

Product Specification PS-87831-027
Sales Drawing SD-87833-010

This document was generated on 10/19/2012

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