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**Part Number:** [87833-2420](#)

**Status:** **Active**

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

**Description:** Milli-Grid™ Header, Right Angle, Shrouded, Lead-Free, 24 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 \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA  
UL

LR19980  
E29179

**General**

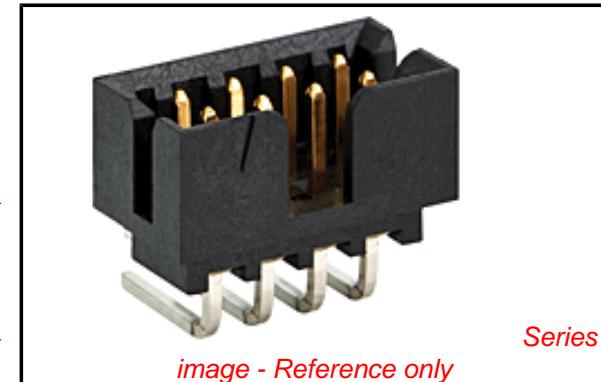
Product Family  
Series  
Application  
Comments  
Overview  
Product Name  
UPC

PCB Headers  
[87833](#)  
Signal, Wire-to-Board  
Contact Molex for application in automotive industry  
[Milli-Grid™ Connector System](#)  
Milli-Grid™  
822348271511

**Physical**

Breakaway  
Circuits (Loaded)  
Circuits (maximum)  
Color - Resin  
Durability (mating cycles max)  
First Mate / Last Break  
Flammability  
Glow-Wire Compliant  
Guide to Mating Part  
Keying to Mating Part  
Lock to Mating Part  
Material - Metal  
Material - Plating Mating  
Material - Plating Termination  
Material - Resin  
Net Weight  
Number of Rows  
Orientation  
PC Tail Length  
PCB Locator  
PCB Retention  
PCB Thickness - Recommended  
Packaging Type  
Pitch - Mating Interface  
Pitch - Termination Interface  
Plating min - Mating  
Plating min - Termination  
Polarized to PCB  
Shrouded  
Stackable  
Surface Mount Compatible (SMC)  
Temperature Range - Operating

No  
24  
24  
Black  
100  
No  
94V-0  
No  
No  
None  
Yes  
Phosphor Bronze  
Gold  
Tin  
Nylon  
1.255/g  
2  
Right Angle  
2.16mm  
No  
None  
1.60mm  
Tube  
2.00mm  
2.00mm  
0.381µm  
1.905µm  
No  
Fully  
No  
Yes  
-55°C to +105°C



**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](mailto: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**

Wire-to-Board Terminals [50394](#) , Wire-to-Board Crimp Housing [51110](#) , Wire-to-Board IDT Housings [87568](#) , Board-to-Board Top Entry Through Hole Receptacle [79107](#) , Board-to-Board FFC/FPC Top Entry Through Hole Receptacle [79108](#) , Board-to-Board Surface Mount PCB Receptacle [79109](#)

Termination Interface: Style

Through Hole

### **Electrical**

Current - Maximum per Contact

2.0A

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

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