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**Part Number:** [0878325622](#)

**Status:** **Active**

**Overview:**

**Description:** 2.00mm (.079") Pitch Milli-Grid™ Header, Surface Mount, Vertical, Shrouded, Lead-free, 14 Circuits, 0.38µm (15µ") Gold (Au) Plating, with Pick-and-Place Cap, with Side and Center Windows, with Center Polarization Slot, with PCB Locator, Embossed Tape on

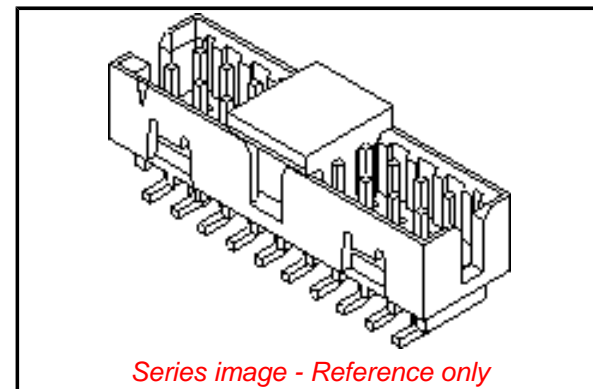
**Documents:**

[3D Model](#)

[Drawing \(PDF\)](#)

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

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



**General**

Product Family	PCB Headers
Series	87832
Application	Wire-to-Board
Comments	With Cap Contact Molex for application in automotive industry
Overview	Milli-Grid&#153;
Product Name	Milli-Grid™

**Physical**

Breakaway	No
Circuits (Loaded)	14
Circuits (maximum)	14
Color - Resin	Black
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	Yes
PCB Retention	None
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.079 In
Pitch - Mating Interface (mm)	2.00 mm
Pitch - Term. Interface (in)	0.079 In
Pitch - Term. Interface (mm)	2.00 mm
Plating min: Mating (µin)	15
Plating min: Mating (µm)	0.38
Plating min: Termination (µin)	75
Plating min: Termination (µm)	1.88
Polarized to Mating Part	Side Slots (2)
Polarized to PCB	No
Robotic Placement	Pick and Place Cap
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Surface Mount

**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC Contains SVHC: No**  
**Halogen-Free Status Not Reviewed**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[87832 Series](#)

**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**

CSA	LR19980
Current - Maximum	2A
UL	E29179
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-87832-006

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