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**Part Number:** [0878326022](#)

**Status:** **Active**

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

**Description:** Milli-Grid™ Header, Surface Mount, Vertical, Shrouded, Lead-Free, 22 Circuits, 0.38µm Gold (Au) Plating, with Pick-and-Place Cap, with Side and Center Locking Windows, with Center Polarization Slot, with PCB Locator, Embossed

**Documents:**

[3D Model](#)

[Drawing \(PDF\)](#)

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

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

**Agency Certification**

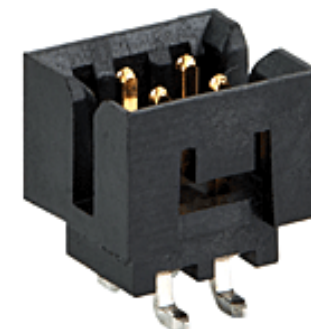
CSA	LR19980
UL	E29179

**General**

Product Family	PCB Headers
Series	<a href="#">87832</a>
Application	Signal, Wire-to-Board
Comments	With Cap Contact Molex for application in automotive industry
Overview	<a href="#">Milli-Grid™ Connector System</a>
Product Name	Milli-Grid™
UPC	822348273324

**Physical**

Breakaway	No
Circuits (Loaded)	22
Circuits (maximum)	22
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	0.960/g
Number of Rows	2
Orientation	Vertical
PCB Locator	No
PCB Retention	None
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	2.00mm
Pitch - Termination Interface	2.00mm
Plating min - Mating	0.381µm
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



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Contains SVHC(2014 December 17): No

**Halogen-Free**

**Status**

**Not Low-Halogen**

**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.

China ROHS

ELV

Green Image

Not Relevant

**Search Parts in this Series**

[87832](#) Series

**Mates With**

Milli-Grid™ Vertical Through Hole Receptacle [79107](#) , [78787](#) , Milli-Grid™ Flex-to-Board Vertical Receptacle [79108](#) , Milli-Grid™ Vertical Surface Mount Receptacle [79109](#) , [78788](#) , Milli-Grid™ Crimp Housing [51110](#) , Milli-Grid™ Cable-to-Board Receptacle [87568](#)

**Electrical**

Current - Maximum per Contact	2.0A
Voltage - Maximum	125V

**Solder Process Data**

Duration at Max. Process Temperature (seconds)	010
Lead-freeProcess Capability	REFLOW
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260

**Material Info****Reference - Drawing Numbers**

Product Specification	PS-87831-027
Sales Drawing	SD-87832-006

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