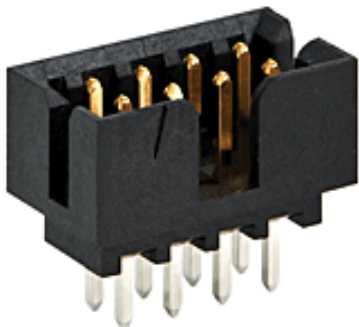


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Part Number: [0878311621](#)
Status: **Active**
Overview: [Milli-Grid™ Connector System](#)
Description: 2.00mm Pitch Milli-Grid™ Header, Vertical, Through Hole, Shrouded, 16 Circuits, 0.76µm Gold (Au) Plating, Center Polarization Slot, with Locking Windows, without PCB Locator, Tube

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-87831-027-001 \(PDF\)](#)
[Packaging Specification PK-87831-001 \(PDF\)](#)
[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		822348271924
Physical		
Breakaway		No
Circuits (Loaded)		16
Circuits (maximum)		16
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		0.736/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		0.762µm
Plating min - Termination		1.905µm
Polarized to PCB		No
Shrouded		Yes
Stackable		No
Surface Mount Compatible (SMC)		Yes



Series image - Reference only

EU ELV
Not Relevant

EU RoHS **China RoHS**
Compliant
REACH SVHC
Not Contained Per -
ED/21/2016 (20 June
2016)
Halogen-Free
Status
Not Low-Halogen

Need more information on product environmental compliance?

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

China ROHS Green Image
ELV Not Relevant
RoHS Phthalates Not Contained

Search Parts in this Series
[87831](#) 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](#)

Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	2.0A
Voltage - Maximum	125V
Solder Process Data	
Duration at Max. Process Temperature (seconds)	010
Lead-freeProcess Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-87831-001
Product Specification	PS-87831-027-001
Sales Drawing	SD-87831-0001

This document was generated on 01/17/2017

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