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Part Number: [0878325021](#)

Status: **Active**

Overview:

Description: 2.00mm (.079") Pitch Milli-Grid™ Header, Surface Mount, Vertical, Shrouded, Lead-free, 50 Circuits, 0.76µm (30µ") Gold (Au) Plating, with Locking Windows and Center Polarization Slot, PCB Locator, Tube

Documents:

[3D Model](#)
[Drawing \(PDF\)](#)

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

General

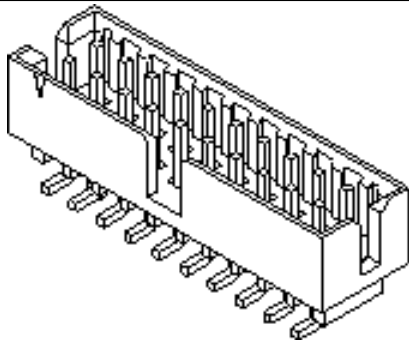
Product Family	PCB Headers
Series	87832
Application	Wire-to-Board
Comments	Without Cap; Contact Molex for application in automotive industry
Overview	Milli-Grid™
Product Name	Milli-Grid™

Physical

Breakaway	No
Circuits (Loaded)	50
Circuits (maximum)	50
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	Tube
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)	30
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	75
Plating min: Termination (µm)	1.88
Polarized to Mating Part	Side Slots (2)
Polarized to PCB	No
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Surface Mount

Electrical

CSA LR19980



Series image - Reference only

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
Please visit the [Contact Us](#) section for any
non-product compliance questions.

Duration at Max.	10
Process Temperature (seconds)	
Lead-free Process	Reflow Capable (SMT only)
Capability	
Max. Cycles at Max.	1
Process Temperature	
Process Temperature	260
max. C	

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

Current - Maximum	2A
UL	E29179
Voltage - Maximum	125V
Material Info	
Reference - Drawing Numbers	
Product Specification	PS-87831-027
Sales Drawing	SD-87832-007

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