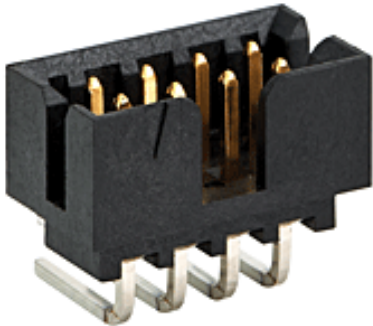


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Part Number: [0878332019](#)
Status: **Active**
Overview: [Milli-Grid Connector System](#)
Description: Milli-Grid Header, Right Angle, Fully Shrouded, Lead-Free, 20 Circuits, Gold (Au) Flash Plating, without PCB Locator, without Locking Window, Center Polarization Slot, Tube

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-87831-027-001 \(PDF\)](#)
[Packaging Specification PK-87831-001-001 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification	
CSA	LR19980
General	
Product Family	PCB Headers
Series	87833
Application	Signal, Wire-to-Board
Comments	Contact Molex for application in automotive industry
Overview	Milli-Grid Connector System
Product Name	Milli-Grid
UPC	822348352708
Physical	
Breakaway	No
Circuits (Loaded)	20
Circuits (maximum)	20
Color - Resin	Black
Durability (mating cycles max)	100
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	1.101/g
Number of Rows	2
Orientation	Right Angle
PC Tail Length	2.16mm
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	0.051µm
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	Through Hole



Series image - Reference only

EU ELV
Not Relevant

EU RoHS
Compliant
REACH SVHC
Not Contained Per -
ED/30/2017 (7 July
2017)
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
[87833](#) 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)	011
Lead-freeProcess Capability	SMC&WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	265

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-87831-001-001
Product Specification	PS-87831-027-001
Sales Drawing	SD-87833-0001-001

This document was generated on 03/02/2018

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