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Part Number: 0878331219
Status: Active
Overview: Milli-Grid Connector System
Description: Milli-Grid Header, Right-Angle, Fully Shrouded, Lead-Free, 12 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
UL	E29179
General	
Product Family	PCB Headers
Series	87833
Application	Signal, Wire-to-Board
Comments	Contact Molex for application in automotive industry, Contact Molex for application in automotive industry
Overview	Milli-Grid Connector System
Product Name	Milli-Grid
UPC	822348352623
Physical	
Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
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	0.714/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



Series image - Reference only

EU ELV Not Relevant	
EU RoHS Compliant REACH SVHC Not Contained Per - ED/61/2018 (27 June 2018) Halogen-Free Status Not Low-Halogen For more information, please visit Contact US	China RoHS China ROHS ELV RoHS Phthalates
Green Image Not Relevant 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](#)

Temperature Range - Operating	-55° to +105°C
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	2.0A
Voltage - Maximum	125V
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-87831-001-001
Product Specification	PS-87831-027-001
Sales Drawing	SD-87833-0001-001

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