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Part Number:

0878330833

Status:

Active

Overview:

Milli-Grid™ Connector System

Description:

Milli-Grid™ Header, Right Angle, Shrouded, Lead-Free, 8 Circuits, 0.38µm Gold (Au) Plating, without PCB Locator, with Locking Window, without Center Polarization Slot, Tube

Documents:

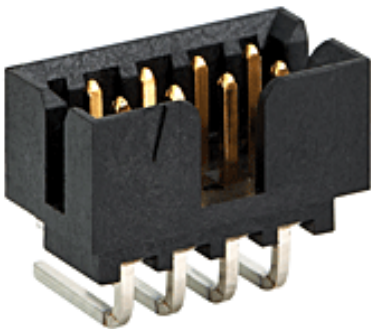
3D Model

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	87833	
Application	Signal, Wire-to-Board	
Comments	Contact Molex for application in automotive industry	
Overview	Milli-Grid™ Connector System	
Product Name	Milli-Grid™	
UPC	822348352586	
Physical		
Breakaway	No	
Circuits (Loaded)	8	
Circuits (maximum)	8	
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	0.454/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	0.381µm	
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	



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

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

Please visit the [Contact Us](#) section for any

non-product compliance questions.

China ROHS

Green Image

ELV

Not Relevant

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](#)

Termination Interface: Style	Through Hole
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	
Product Specification	PS-87831-027
Sales Drawing	SD-87833-037

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