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Part Number:

87831-3029

Status:

Active

Overview:

Milli-Grid™ Connector System

Description:

2.00mm Pitch Milli-Grid™ Header, Vertical, Through Hole, Shrouded, Lead-Free, 30 Circuits, 0.76µm Gold (Au) Plating, Center Polarization Slot, with Locking Windows, PCB Locator, Tube

Documents:

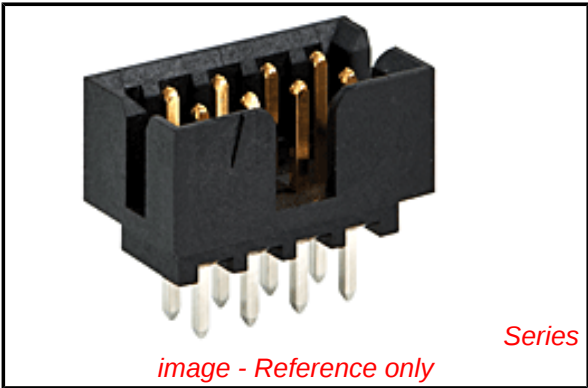
3D Model

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	87831	
Application	Signal, Wire-to-Board	
Comments	Contact Molex for application in automotive industry	
Overview	Milli-Grid™ Connector System	
Product Name	Milli-Grid™	
UPC	822348323081	
Physical		
Breakaway	No	
Circuits (Loaded)	30	
Circuits (maximum)	30	
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	1.407/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	



EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Low-Halogen Status

Not Low-Halogen

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com

For a multiple part number RoHS Certificate of Compliance, [click here](#)

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

Search Parts in this Series

87831Series

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, 79109 Board-to-Board Surface Mount PCB Receptacle

Temperature Range - Operating

Termination Interface: Style

-55°C to +105°C

Through Hole

Electrical

Current - Maximum per Contact

Voltage - Maximum

2A

125V

Solder Process Data

Duration at Max. Process Temperature (seconds)

Lead-free Process Capability

Max. Cycles at Max. Process Temperature

Process Temperature max. C

10

Wave Capable (TH only)

1

260

Material Info

Reference - Drawing Numbers

Product Specification

Sales Drawing

PS-87831-027

SD-87831-020

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