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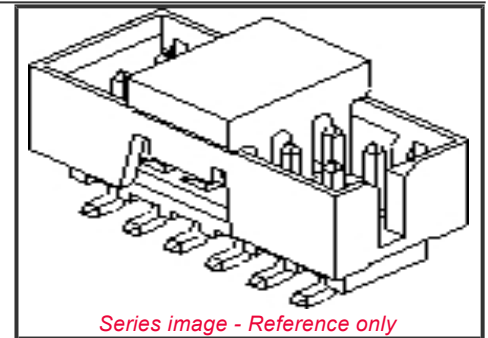
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Part Number:
0878320806

Status:
Active

Overview:
Milli-Grid™

Description:
2.00mm (.079") Pitch Milli-Grid™ Header, Surface Mount, Vertical, Shrouded, Lead-free, 8 Circuits, 0.38µm (15µ") Gold (Au) Plating, with Locking Window, Pick-and-Place Cap, PCB Locator, Embossed Tape on Reel



Series image - Reference only

Documents: *Note - Please disable browser pop-up blockers for documents on [www.molex.com](#)*

[Drawing \(PDF\)](#)

[Product Specification PS-87831-027 \(PDF\)](#)

[3D Model](#)

EU RoHS
ELV and RoHS
Compliant

REACH SVHC
Contains SVHC: No

Halogen-Free
Status
Not Halogen-Free

China RoHS



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Email productcompliance@molex.com

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

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[87832](#)Series

Mates With

[50394](#) Wire-to-Board Terminals
Link:51110 Wire-to-Board Crimp Housing

Link:87568 Wire-to-Board IDT Housings

Link:79107 Board-to-Board Top Entry Through Hole Receptacle

Link:79108 Board-to-Board FFC/FPC Top Entry Through Hole Receptacle

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General

Product Family	PCB Headers
Series	<u>87832</u>
Application	Wire-to-Board
Comments	With Cap, Contact Molex for application in automotive industry
Overview	<u>Milli-Grid™</u>
Product Name	Milli-Grid™

Physical

Breakaway	No
Circuits (Loaded)	8
Circuits (maximum)	8
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	Embossed Tape on Reel
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)	15
Plating min: Mating (µm)	0.38
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(Please review the Product Specification for specific details.)

Current - Maximum per Contact	2A
Voltage - Maximum	125V

Agency Certification

CSA	LR19980
UL	E29179

Solder Process Data

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

Material Info**Reference - Drawing Numbers**

Product Specification	PS-87831-027
Sales Drawing	SD-87832-010