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Part Number: [0878325623](#)
Status: **Active**
Overview: [Milli-Grid Connector System](#)
Description: Milli-Grid Header, Surface Mount, Vertical, Shrouded, Lead-Free, 14 Circuits, 0.76µm Gold (Au) Plating, with Pick-and-Place Cap, with Locking Windows and Center Polarization Slot, PCB Locator, Embossed Tape on Reel

Documents:

3D Model	Packaging Specification PK-87831-001-001 (PDF)
Drawing (PDF)	Packaging Specification PK-87832-300-001 (PDF)
Product Specification PS-87831-027-001 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	87832
Application	Signal, Wire-to-Board
Comments	With Cap Contact Molex for application in automotive industry
Overview	Milli-Grid Connector System
Product Name	Milli-Grid
UPC	822348352425

Physical

Breakaway	No
Circuits (Loaded)	14
Circuits (maximum)	14
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	Yes
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	0.671/g
Number of Rows	2
Orientation	Vertical
PCB Locator	Yes
PCB Retention	None
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	2.00mm
Pitch - Termination Interface	2.00mm
Plating min - Mating	0.762µm
Plating min - Termination	1.905µm
Polarized to PCB	No
Robotic Placement	Pick and Place Cap
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	Yes



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

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[87832 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	Surface Mount

Electrical

Current - Maximum per Contact	2.0A
Voltage - Maximum	125V

Solder Process Data

Duration at Max. Process Temperature (seconds)	010
Lead-free Process Capability	REFLOW
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260

Material Info**Reference - Drawing Numbers**

Packaging Specification	PK-87831-001-001, PK-87832-300-001
Product Specification	PS-87831-027-001
Sales Drawing	SD-87832-0001-001

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