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Part Number: [0878321028](#)
Status: **Active**
Overview: Milli-Grid™ Connector System
Description: Milli-Grid™ Header, Surface Mount, Vertical, Shrouded, Lead-Free, 10 Circuits, 0.38µm Gold (Au) Plating, without PCB Locator, with Locking Window, Pick-and-Place Cap, 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

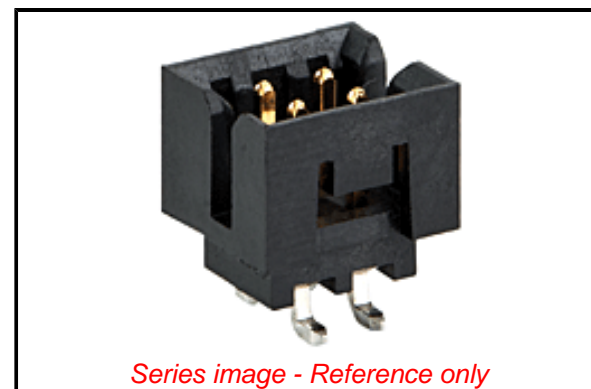
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| CSA | LR19980 |
| UL | E29179 |

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 | 822350174244 |

Physical

| | |
|--------------------------------|-----------------------|
| Breakaway | No |
| Circuits (Loaded) | 10 |
| Circuits (maximum) | 10 |
| 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 | Yes |
| Lock to Mating Part | Yes |
| Material - Metal | Phosphor Bronze |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | Nylon |
| Net Weight | 0.663/g |
| Number of Rows | 2 |
| Orientation | Vertical |
| PCB Locator | No |
| PCB Retention | None |
| Packaging Type | Embossed Tape on Reel |
| 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 |



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - ED/30/2017 (7 July 2017)

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 |
| RoHS Phthalates | 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](#)

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-freeProcess 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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