



Part Number : [878320606](#)

Product Description : 2.00mm Pitch, Milli-Grid PCB Header, Dual Row, Vertical, Surface Mount, Shrouded, Lead-Free, 6 Circuits, 0.38µm Gold (Au) Plating, with Locking Window, with Pick-and-Place Cap, with PCB Locator, Tape and Reel

Series Number : 87832

Status : Active

Product Category : PCB Headers and Receptacles

Documents & Resources

Drawings

[Drawing 878320606_sd.pdf](#)

[Packaging Design Drawing PK-87831-001-001.pdf](#)

[Packaging Design Drawing PK-87832-300-001.pdf](#)

3D Models and Design Files

[3D Model 878320606_stp.zip](#)


Specifications

[Application Specification 503940001-AS-000.pdf](#)

[Product Specification PS-87831-027-001.pdf](#)

Product Environment Compliance

Compliance

| | |
|--------------------|---|
| GADSL/IMDS | Compliant with Exemption 44; 34; 33 |
| China RoHS |  |
| EU ELV | Not Relevant |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2024)4144-DC (27 June 2024) |
| EU RoHS | Compliant per EU 2015/863 |

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

| | |
|----------------|--|
| Status | Active |
| Category | PCB Headers and Receptacles |
| Series | 87832 |
| Description | 2.00mm Pitch, Milli-Grid PCB Header, Dual Row, Vertical, Surface Mount, Shrouded, Lead-Free, 6 Circuits, 0.38µm Gold (Au) Plating, with Locking Window, with Pick-and-Place Cap, with PCB Locator, Tape and Reel |
| Application | Signal, Wire-to-Board |
| Comments | With Cap, Contact Molex for application in automotive industry |
| Component Type | PCB Header |
| Product Family | Milli-Grid Connector System |
| Product Name | Milli-Grid |
| UPC | 822348272419 |

Agency

| | |
|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

Electrical

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

Physical

| | |
|-----------|----|
| Breakaway | No |
|-----------|----|

| | |
|--------------------------------|-----------------------|
| Circuits (Loaded) | 6 |
| Circuits (maximum) | 6 |
| 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 | 0.295/g |
| Number of Rows | 2 |
| Orientation | Vertical |
| Packaging Type | Embossed Tape on Reel |
| PCB Locator | No |
| PCB Retention | None |
| 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 |
| Temperature Range - Operating | -55° to +105°C |
| Termination Interface Style | Surface Mount |

Solder Process Data

| | |
|------------------------------|--------|
| Lead-Free Process Capability | REFLOW |
| Max-Cycle | 3 |
| Max-Temp | 260 |

Mates With / Use With

Mates with Part(s)

| Description | Part Number |
|---|--------------|
| Milli-Grid Dual Row Receptacle Housings | <u>51110</u> |
| Milli-Grid Vertical Through Hole PCB Receptacles | <u>78787</u> |
| Milli-Grid Top Entry Surface Mount PCB Receptacles | <u>78788</u> |
| Milli-Grid Vertical Through Hole PCB Receptacles | <u>79107</u> |
| Milli-Grid Vertical Through Hole PCB Receptacles | <u>79108</u> |
| Milli-Grid Top/Bottom Entry Surface Mount PCB Receptacles | <u>79109</u> |
| Milli-Grid Dual Row Cable-to-Board Receptacles | <u>87568</u> |