



**Part Number :** [878320620](#)  
**Product Description :** 2.00mm Pitch, Milli-Grid PCB Header, Dual Row, Vertical, Surface Mount, Shrouded, Lead-Free, 6 Circuits, 0.38µm Gold (Au) Plating, without Locking Window and Center Polarization Slot, with PCB Locator, Tube  
**Series Number :** 87832  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles

Documents & Resources

Drawings

[878320620 sd.pdf](#)  
[PK-87831-001-001.pdf](#)

3D Models and Design Files


[STEP AP242](#)  
[SOLIDWORKS](#)  
[Creo](#)  
[Symbol and Footprint \(Multi-Format\)](#)

Specifications

[503940001-AS-000.pdf](#)  
[PS-87831-027-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC

	(25 June 2025)
EU RoHS	Compliant per EU 2015/863

#### Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

#### Industry Documents

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

#### Substances of Interest

- PFAS

#### EU RoHS Certificate of Compliance

#### Additional Product Compliance Information

## 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, without Locking Window and Center Polarization Slot, with PCB Locator, Tube
Application	Signal, Wire-to-Board
Comments	Contact Molex for application in automotive industry
Component Type	PCB Header
Product Name	Milli-Grid
UPC	822348272440

### 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	0.306/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Tube
PCB Locator	No
PCB Retention	None
Pitch - Mating Interface	2.00mm
Pitch - Termination Interface	2.00mm
Plating min - Mating	0.381µm
Plating min - Termination	1.880µm
Polarized to PCB	No
Shrouded	Fully

Stackable	No
Temperature Range - Operating	-55° to +105°C
Termination Interface Style	Surface Mount

## Solder Process Data

Max-Duration	10
Lead-Free Process Capability	REFLOW
Max-Cycle	1
Max-Temp	260

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## Mates With / Use With

### Mates with Part(s)

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

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This document was generated on Sep 25, 2025