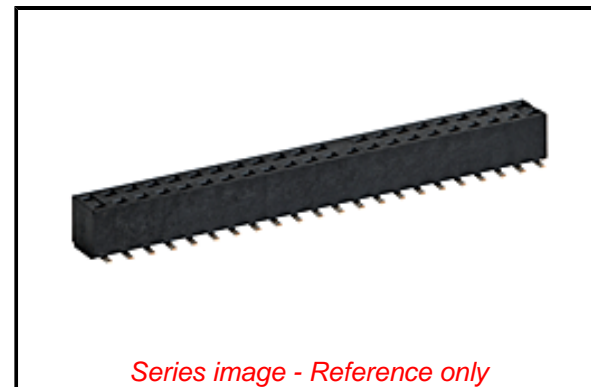


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0873819016](#)  
**Status:** **Active**  
**Overview:** Milli-Grid Connector System  
**Description:** 2.00mm Pitch Milli-Grid Receptacle, Surface Mount, Top Entry, 0.38µm Gold (Au) Plating, with Cover, with Locating Pegs, 8 Circuits, Lead-Free, Embossed Tape on Reel

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification 503940001-AS-000 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Packaging Specification PK-87368-0001-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Brochure (PDF)</a>
<a href="#">Product Specification PS-87380-002-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>



**Agency Certification**

CSA	LR19980
UL	E29179

**General**

Product Family	PCB Receptacles
Series	<a href="#">87381</a>
Application	Board-to-Board, Signal
Comments	With Pegs
Overview	<a href="#">Milli-Grid Connector System</a>
Product Name	Milli-Grid
Taxonomy	PCB Headers and Receptacles
UPC	822350887823

**Physical**

Circuits (Loaded)	8
Circuits (maximum)	8
Color - Resin	Black
Durability (mating cycles max)	25
Flammability	94V-0
Glow-Wire Capable	No
Lock to Mating Part	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	0.175/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	0.381µm
Plating min - Termination	1.270µm
Polarized to PCB	No
Robotic Placement	Pick and Place Cap
Stackable	Yes
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55° to +105°C
Termination Interface: Style	Surface Mount

**Electrical**

Current - Maximum per Contact	1.9A
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**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)4578-DC (25  
June 2020)

**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**

[87381](#) Series

**Mates With**

[87758](#) Vertical, Through Hole, Stackable PCB Header, [87759](#) Vertical, Surface Mount, Stackable PCB Header, [87760](#) Right Angle, Through Hole, Stackable PCB Header, [87831](#) Vertical, Through Hole PCB Header, [87832](#) Vertical, Surface Mount PCB

Voltage - Maximum 125V

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 012

Lead-free Process Capability REFLOW

Max. Cycles at Max. Process Temperature 001

Process Temperature max. C 260

**Material Info**

**Reference - Drawing Numbers**

Application Specification 503940001-AS-000

Packaging Specification PK-87368-0001-001

Product Specification PS-87380-002-001

Sales Drawing SD-87381-XXX3-001

This document was generated on 10/10/2022

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