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**Part Number:** [0873812017](#)  
**Status:** **Active**  
**Overview:** Milli-Grid™ Connector System  
**Description:** 2.00mm Pitch Milli-Grid Receptacle, Surface Mount, Top Entry, 0.76µm Gold (Au) Plating, without Cover, with Locating Peg, 20 Circuits, Lead-Free

**Documents:**

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Drawing \(PDF\)](#) [Product Literature \(PDF\)](#)  
[Product Specification PS-87380-002-001 \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family PCB Receptacles  
 Series [87381](#)  
 Application Board-to-Board, Signal  
 Comments With Pegs  
 Overview Milli-Grid™ Connector System  
 Product Literature Order No 987650-1991  
 Product Name Milli-Grid  
 UPC 822348641239

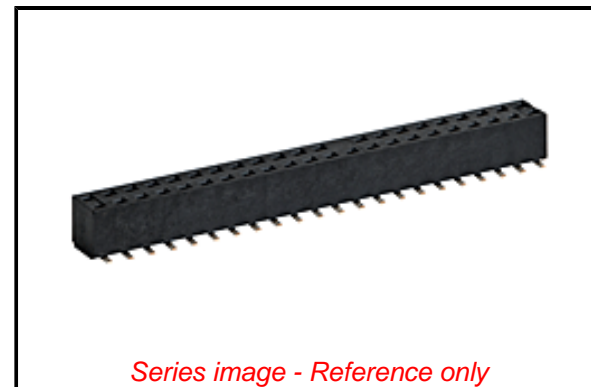
**Physical**

Circuits (Loaded) 20  
 Circuits (maximum) 20  
 Color - Resin Black  
 Durability (mating cycles max) 25  
 Flammability 94V-0  
 Glow-Wire Compliant 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 0.491/g  
 Number of Rows 2  
 Orientation Vertical  
 PCB Locator Yes  
 PCB Retention None  
 Packaging Type Tube  
 Pitch - Mating Interface 2.00mm  
 Pitch - Termination Interface 2.00mm  
 Plating min - Mating 0.762µm  
 Plating min - Termination 1.270µm  
 Polarized to PCB Yes  
 Stackable Yes  
 Surface Mount Compatible (SMC) N/A  
 Temperature Range - Operating -55°C to +105°C  
 Termination Interface: Style Surface Mount

**Electrical**

Current - Maximum per Contact 1.9A  
 Voltage - Maximum 125V

**Solder Process Data**



*Series image - Reference only*

**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](mailto:productcompliance@molex.com)  
 Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

RoHS Phthalates

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

Duration at Max. Process Temperature (seconds)	012
Lead-freeProcess Capability	REFLOW
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260

**Material Info**

**Reference - Drawing Numbers**

Product Specification	PS-87380-002-001
Sales Drawing	SD-87381-****

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