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Part Number: [87381-9016](#)
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:

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

Agency Certification

CSA LR19980
 UL E29179

General

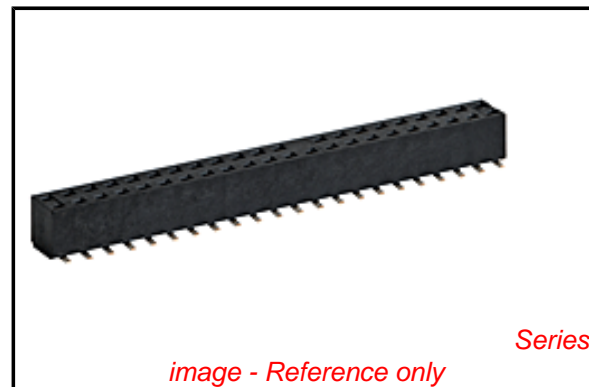
Product Family PCB Receptacles
 Series [87381](#)
 Application Board-to-Board, Signal
 Comments With Pegs
 Overview [Milli-Grid™ Connector System](#)
 Product Literature Order No 987650-1991
 Product Name Milli-Grid™
 UPC 822350887823

Physical

Circuits (Loaded) 8
 Circuits (maximum) 8
 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 0.211/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°C to +105°C
 Termination Interface: Style Surface Mount

Electrical

Current - Maximum per Contact 1.9A



EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Low-Halogen Status

Not Low-Halogen

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

[87381Series](#)

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) 12

Lead-free Process Capability Reflow Capable (SMT only)

Max. Cycles at Max. Process Temperature 1

Process Temperature max. C 260

Material Info

Reference - Drawing Numbers

Product Specification PS-87380-002

Sales Drawing SD-87381-***3

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