

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0873815064](#)
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, without Locating Pegs, 50 Circuits, Lead-Free

Documents:

3D Model	Packaging Specification 873810001-PK-000 (PDF)
Drawing (PDF)	Packaging Specification PK-87368-0001-001 (PDF)
3D Model (PDF)	Brochure (PDF)
Product Specification PS-87380-002-001 (PDF)	RoHS Certificate of Compliance (PDF)
Application Specification 503940001-AS-000 (PDF)	

Agency Certification

CSA	LR19980
UL	E29179

General

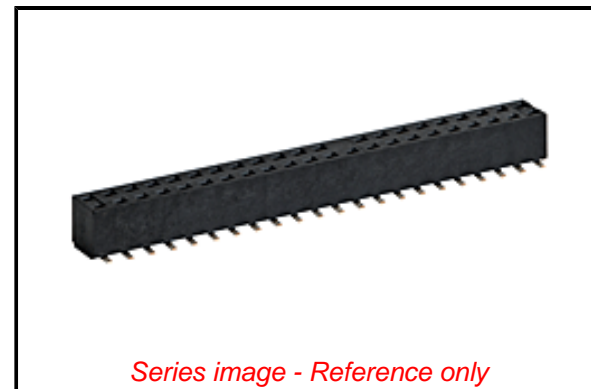
Product Family	PCB Receptacles
Series	87381
Application	Board-to-Board, Signal
Comments	With Cover
Overview	Milli-Grid Connector System
Product Name	Milli-Grid
UPC	822348484034

Physical

Circuits (Loaded)	50
Circuits (maximum)	50
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	1.448/g
Number of Rows	2
Orientation	Vertical
PCB Locator	No
PCB Retention	None
Packaging Type	Tube
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)	N/A
Temperature Range - Operating	-55° to +105°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	1.9A
-------------------------------	------



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2020)9139-DC (19
Jan 2021)

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 873810001-PK-000, PK-87368-0001-001

Product Specification PS-87380-002-001

Sales Drawing SD-87381-XX6X-001

This document was generated on 03/02/2021

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION