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Part Number:

87381-4418

Status:

Active

Overview:

Milli-Grid™ Connector System

Description:

2.00mm Pitch Milli-Grid™ Receptacle, Surface Mount, Top Entry, 0.38µm Gold (Au) Plating, without Cover, with Locating Peg, Tube, 44 Circuits, Lead-Free



Series

image - Reference only

Documents:

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

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	883906022730

Physical

Circuits (Loaded)	44
Circuits (maximum)	44
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	1.083/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	0.381µm
Plating min - Termination	1.270µm
Polarized to PCB	No
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

EU RoHS

ELV and RoHS Compliant

REACH SVHC

Contains SVHC: No

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

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-****

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