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Part Number: 0873812064
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, 20 Circuits, Lead-Free

Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-87380-002-001 (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 Cover
Overview	Milli-Grid™ Connector System
Product Literature Order No	987650-1991
Product Name	Milli-Grid™
UPC	822348483075

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	0.525/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°C to +105°C
Termination Interface: Style	Surface Mount

Electrical

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

EU ELV
Not Relevant

EU RoHS **China 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
Please visit the Contact Us section for any non-product compliance questions.

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	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

Solder Process Data

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-**6*

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