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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

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 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	

EU ELV

Not Relevant

EU RoHS

China RoHS

Compliant

REACH SVHC

Not Contained Per

-ED/01/2017 (12

January 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

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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