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Part Number:

0873812218

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, 22 Circuits, Lead-Free

Documents:

- 3D Model

3D Model (PDF)

Drawing (PDF)

Product Specification PS-87380-002-001 (PDF)

Application Specification 503940001-AS-000 (PDF)
- Packaging Specification 873810001-PK-000 (PDF)

Packaging Specification PK-87368-0001-001 (PDF)

Brochure (PDF)

RoHS Certificate of Compliance (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 Name

Milli-Grid

UPC

822348641260

Physical

Circuits (Loaded)

22

Circuits (maximum)

22

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

0.565/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

Yes

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

Voltage - Maximum

125V



Series image - Reference only

EU ELV

Compliant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

Halogen-Free

Status

Not Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

Green Image

ELV

Compliant

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) | 005      |
| Lead-freeProcess Capability                    | SMC&WAVE |
| Max. Cycles at Max. Process Temperature        | 001      |
| Process Temperature max. C                     | 265      |

**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-XXXX-001                   |

This document was generated on 01/05/2022

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