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Part Number: [0873811064](#)
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, 10 Circuits, Lead-Free

Documents:

| | |
|--|---|
| 3D Model | Packaging Specification 873810001-PK-000 (PDF) |
| 3D Model (PDF) | Packaging Specification PK-87368-0001-001 (PDF) |
| Drawing (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

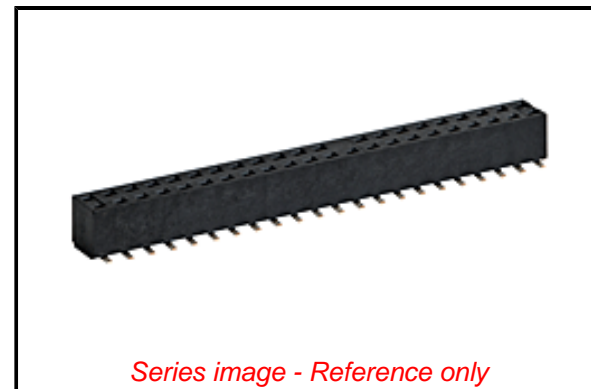
| | |
|----------------|---|
| Product Family | PCB Receptacles |
| Series | 87381 |
| Application | Board-to-Board, Signal |
| Comments | With Cover |
| Overview | Milli-Grid Connector System |
| Product Name | Milli-Grid |
| UPC | 822348482788 |

Physical

| | |
|--------------------------------|--------------------------------|
| Circuits (Loaded) | 10 |
| Circuits (maximum) | 10 |
| 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 | 0.239/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(2021)4569-DC (8
July 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

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