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Part Number:

0873812264

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, 22 Circuits, Lead-Free



Documents:

3D Model

Drawing (PDF)

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

Packaging Specification 873810001-PK-000 (PDF)

Packaging Specification PK-87368-0001-001 (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, With Cover         |
| Overview                       |  | Milli-Grid Connector System    |
| Product Literature Order No    |  | 987650-1991                    |
| Product Name                   |  | Milli-Grid                     |
| UPC                            |  | 822348483136                   |
| 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                     |  | 0.629/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                           |

|                                                               |               |
|---------------------------------------------------------------|---------------|
| EU ELV                                                        |               |
| Not Relevant                                                  |               |
| EU RoHS                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per - ED/71/2019 (16 July 2019)                 |               |
| Halogen-Free                                                  |               |
| Status                                                        |               |
| Not Low-Halogen                                               |               |
| For more information, please visit <a href="#">Contact US</a> |               |
| 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

|                                                |                                     |
|------------------------------------------------|-------------------------------------|
| Voltage - Maximum                              | 125V                                |
| <b>Solder Process Data</b>                     |                                     |
| Duration at Max. Process Temperature (seconds) | 012                                 |
| Lead-freeProcess Capability                    | REFLOW                              |
| Max. Cycles at Max. Process Temperature        | 001                                 |
| Process Temperature max. C                     | 260                                 |
| <b>Material Info</b>                           |                                     |
| <b>Reference - Drawing Numbers</b>             |                                     |
| 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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