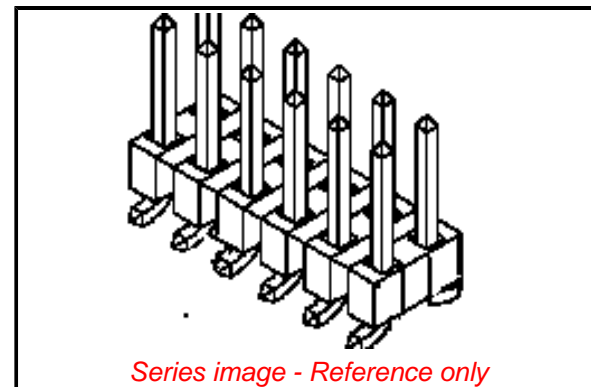


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Part Number: [0877594074](#)
Status: **Active**
Overview: Milli-Grid Connector System
Description: Milli-Grid Header, Surface Mount, Vertical, 40 Circuits, 0.38µm Gold (Au) Selective Plating, with Pick-and-Place Cap, Tape and Reel Packaging, without Press-fit Plastic Pegs, Lead-Free

Documents:

| | |
|--|--|
| 3D Model | Application Specification 503940001-AS-000 (PDF) |
| Drawing (PDF) | Packaging Specification PK-89990-485-001 (PDF) |
| Product Specification PS-87761-100-001 (PDF) | RoHS Certificate of Compliance (PDF) |



Agency Certification

UL E29179

General

| | |
|----------------|---|
| Product Family | PCB Headers |
| Series | 87759 |
| Application | Board-to-Board, Signal |
| Overview | Milli-Grid Connector System |
| Product Name | Milli-Grid |
| UPC | 822348283736 |

Physical

| | |
|--------------------------------|-----------------------|
| Breakaway | Yes |
| Circuits (Loaded) | 40 |
| Circuits (maximum) | 40 |
| Color - Resin | Black |
| Durability (mating cycles max) | 100 |
| First Mate / Last Break | No |
| Flammability | 94V-0 |
| Glow-Wire Capable | No |
| Guide to Mating Part | No |
| Keying to Mating Part | None |
| Lock to Mating Part | None |
| Mated Height | 3.80mm |
| Material - Metal | Phosphor Bronze |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | Nylon |
| Net Weight | 976.640/mg |
| Number of Rows | 2 |
| Orientation | Vertical |
| PCB Locator | No |
| PCB Retention | None |
| Packaging Type | Embossed Tape on Reel |
| Pitch - Mating Interface | 2.00mm |
| Pitch - Termination Interface | 2.00mm |
| Plating min - Mating | 0.381µm |
| Polarized to Mating Part | No |
| Polarized to PCB | No |
| Robotic Placement | Pick and Place Cap |
| Shrouded | No |
| Stackable | No |
| Temperature Range - Operating | -55° to +105°C |
| Termination Interface: Style | Surface Mount |

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

[87759](#) Series

Mates With

Milli-Grid Vertical Through Hole Receptacle [79107](#) , [78787](#) , Milli-Grid Flex-to-Board Vertical Receptacle [79108](#) , Milli-Grid Vertical Surface Mount Receptacle [79109](#) , [78788](#) , Milli-Grid Top Entry Surface Mount Receptacle [87381](#) , Milli-Grid Crimp Housing [51110](#)

Electrical

| | |
|-------------------------------|------|
| Current - Maximum per Contact | 2.0A |
| Voltage - Maximum | 125V |

Solder Process Data

| | |
|------------------------------|--------|
| Lead-free Process Capability | REFLOW |
| Process Temperature max. C | 250 |

Material Info**Reference - Drawing Numbers**

| | |
|---------------------------|------------------|
| Application Specification | 503940001-AS-000 |
| Packaging Specification | PK-89990-485-001 |
| Product Specification | PS-87761-100-001 |
| Sales Drawing | SD-87759-117-001 |

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