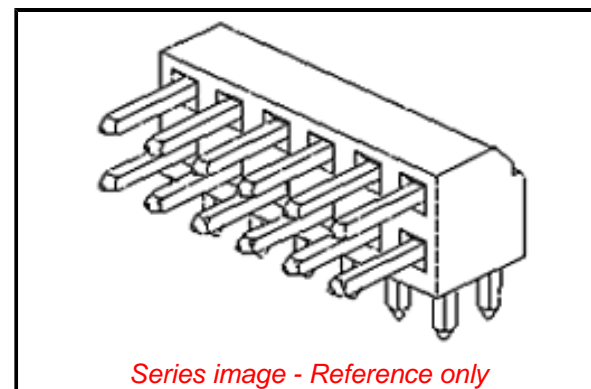


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Part Number: [0877602016](#)
Status: **Active**
Overview: Milli-Grid Connector System
Description: 2.00mm Pitch Milli-Grid Header, Right-Angle, Through Hole, 20 Circuits, 0.38µm Gold (Au) Selective Plating, Tray, Lead-Free

Documents:

| | |
|--|--|
| 3D Model | Application Specification 503940001-AS-000 (PDF) |
| 3D Model (PDF) | Packaging Specification PK-89990-487-001 (PDF) |
| Drawing (PDF) | Test Summary 877610000-TS-000 (PDF) |
| Product Specification PS-87761-100-001 (PDF) | RoHS Certificate of Compliance (PDF) |



Agency Certification

| | |
|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

General

| | |
|----------------|---|
| Product Family | PCB Headers |
| Series | 87760 |
| Application | Board-to-Board, Signal, Wire-to-Board |
| Comments | Lead-Free version of 87049 series |
| Overview | Milli-Grid Connector System |
| Product Name | Milli-Grid |
| UPC | 822348273737 |

Physical

| | |
|--------------------------------|--------------------------------|
| Breakaway | No |
| Circuits (Loaded) | 20 |
| Circuits (maximum) | 20 |
| Color - Resin | Black |
| 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 | 4.00mm |
| Material - Metal | Phosphor Bronze |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 0.798/g |
| Number of Rows | 2 |
| Orientation | Right Angle |
| PC Tail Length | 2.60mm |
| PCB Locator | No |
| PCB Retention | None |
| PCB Thickness - Recommended | 1.60mm |
| Packaging Type | Tray |
| Pitch - Mating Interface | 2.00mm |
| Pitch - Termination Interface | 2.00mm |
| Plating min - Mating | 0.381µm |
| Plating min - Termination | 1.905µm |
| Polarized to Mating Part | No |
| Polarized to PCB | No |
| Shrouded | No |
| Stackable | Yes |

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2020)9139-DC (19
Jan 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

[87760](#) 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](#)

| | |
|--------------------------------|----------------|
| Surface Mount Compatible (SMC) | Yes |
| Temperature Range - Operating | -55° to +105°C |
| Termination Interface: Style | Through Hole |

Electrical

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

Solder Process Data

| | |
|--|------|
| Duration at Max. Process Temperature (seconds) | 014 |
| Lead-free Process Capability | 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 | PK-89990-487-001 |
| Product Specification | PS-87761-100-001 |
| Sales Drawing | SD-87760-109-001 |
| Test Summary | 877610000-TS-000 |

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