



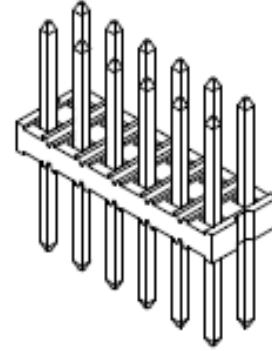
Part Number : [877581017](#)

Product Description : 2.00mm Pitch Milli-Grid Header, Through Hole, Vertical, 10 Circuits, 0.76µm Gold (Au) Selective Plating, Pocket Tray Packaging, Lead-Free

Series Number : 87758

Status : Active

Product Category : PCB Headers and Receptacles



Documents & Resources

Drawings

[Drawing 877581017_sd.pdf](#)

[Packaging Design Drawing PK-89990-487-001.pdf](#)

3D Models and Design Files

[3D Model 877581017_stp.zip](#)

Specifications

[Application Specification 503940001-AS-000.pdf](#)

[Product Specification PS-87761-100-001.pdf](#)

[Test Summary 877610000-TS-000.pdf](#)

Product Environment Compliance

Compliance

| | |
|--------------------|---|
| GADSL/IMDS | Not Relevant |
| China RoHS | |
| EU ELV | Not Relevant |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2024)4144-DC (27 June 2024) |
| EU RoHS | Compliant per EU 2015/863 |

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

| | |
|----------------|---|
| Status | Active |
| Category | PCB Headers and Receptacles |
| Series | 87758 |
| Description | 2.00mm Pitch Milli-Grid Header, Through Hole, Vertical, 10 Circuits, 0.76µm Gold (Au) Selective Plating, Pocket Tray Packaging, Lead-Free |
| Application | Board-to-Board, Signal |
| Component Type | PCB Header |
| Product Family | Milli-Grid Connector System |
| Product Name | Milli-Grid |
| UPC | 822348271320 |

Agency

| | |
|----|--------|
| UL | E29179 |
|----|--------|

Electrical

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

Physical

| | |
|--------------------------------|-------|
| Breakaway | Yes |
| Circuits (Loaded) | 10 |
| Circuits (maximum) | 10 |
| 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 | 4.00mm |
| Material - Metal | Phosphor Bronze |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | Nylon |
| Net Weight | 0.253/g |
| Number of Rows | 2 |
| Orientation | Vertical |
| Packaging Type | Tray |
| PC Tail Length | 2.60mm |
| PCB Locator | No |
| PCB Retention | None |
| PCB Thickness - Recommended | 1.60mm |
| Pitch - Mating Interface | 2.00mm |
| Pitch - Termination Interface | 2.00mm |
| Plating min - Mating | 0.762µm |
| Polarized to Mating Part | No |
| Polarized to PCB | No |
| Shrouded | No |
| Stackable | No |
| Temperature Range - Operating | -55° to +105°C |
| Termination Interface Style | Through Hole |

Solder Process Data

| | |
|------------------------------|------|
| Max-Duration | 3 |
| Lead-Free Process Capability | WAVE |
| Max-Cycle | 1 |
| Max-Temp | 250 |

Mates With / Use With

Mates with Part(s)

| Description | Part Number |
|---|--------------|
| Milli-Grid Dual Row Receptacle Housings | <u>51110</u> |
| Milli-Grid Vertical Through Hole PCB Receptacles | <u>78787</u> |
| Milli-Grid Top Entry Surface Mount PCB Receptacles | <u>78788</u> |
| Milli-Grid Vertical Through Hole PCB Receptacles | <u>79107</u> |
| Milli-Grid Vertical Through Hole PCB Receptacles | <u>79108</u> |
| Milli-Grid Top/Bottom Entry Surface Mount PCB Receptacles | <u>79109</u> |
| Milli-Grid Top Entry Surface Mount PCB Receptacles | <u>87381</u> |