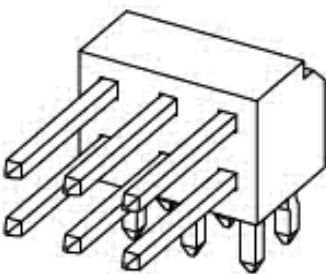




**Part Number :** [877600616](#)  
**Product Description :** 2.00mm Pitch Milli-Grid  
Header, Right-Angle, Through Hole, 6 Circuits, 0.38µm  
Gold (Au) Selective Plating, Tray, Lead-Free  
**Series Number :** 87760  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents & Resources

### Drawings

[877600616\\_sd.pdf](#)  
[PK-89990-487-001.pdf](#)

### 3D Models and Design Files

[877600616\\_stp.zip](#)

### Specifications

[503940001-AS-000.pdf](#)  
[PS-87761-100-001.pdf](#)  
[877610000-TS-000.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                                           |
|--------------------|-----------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44; 34; 33                                                                       |
| China RoHS         |  per SJ/T 11365-2006 |
| EU ELV             | Not Relevant                                                                                              |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21                                                                        |
| REACH SVHC         | Not Contained per D(2024)6225-DC (07 Nov 2024)                                                            |
| EU RoHS            | Compliant per EU 2015/863                                                                                 |

[Compliance Statements](#)

- EU RoHS
- REACH SVHC
- Low-Halogen

#### Industry Documents

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

#### Substances of Interest

- PFAS

#### EU RoHS Certificate of Compliance

#### Additional Product Compliance Information

## Part Details

### General

|                |                                                                                                                            |
|----------------|----------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                     |
| Category       | PCB Headers and Receptacles                                                                                                |
| Series         | 87760                                                                                                                      |
| Description    | 2.00mm Pitch Milli-Grid Header, Right-Angle, Through Hole, 6 Circuits, 0.38µm Gold (Au) Selective Plating, Tray, Lead-Free |
| Application    | Board-to-Board, Signal, Wire-to-Board                                                                                      |
| Comments       | Lead-Free version of 87049 series                                                                                          |
| Component Type | PCB Header                                                                                                                 |
| Product Name   | Milli-Grid                                                                                                                 |
| UPC            | 822348273683                                                                                                               |

### Agency

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

### Electrical

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

## Physical

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 6                              |
| Circuits (maximum)             | 6                              |
| 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                     | 0.247/g                        |
| Number of Rows                 | 2                              |
| Orientation                    | Right Angle                    |
| Packaging Type                 | Tray                           |
| PCB Locator                    | No                             |
| PCB Retention                  | None                           |
| PCB Thickness - Recommended    | 1.60mm                         |
| PC Tail Length                 | 2.60mm                         |
| 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                            |
| Temperature Range - Operating  | -55° to +105°C                 |
| Termination Interface Style    | Through Hole                   |

## Solder Process Data

|                              |      |
|------------------------------|------|
| Max-Duration                 | 14   |
| Lead-Free Process Capability | WAVE |
| Max-Cycle                    | 1    |
| Max-Temp                     | 265  |

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## Mates With / Use With

### Mates with Part(s)

| Description                                               | Part Number                  |
|-----------------------------------------------------------|------------------------------|
| Milli-Grid Vertical Through Hole PCB Receptacles          | <u><a href="#">78787</a></u> |
| Milli-Grid Vertical Through Hole PCB Receptacles          | <u><a href="#">79107</a></u> |
| Milli-Grid Vertical Through Hole PCB Receptacles          | <u><a href="#">79108</a></u> |
| Milli-Grid Top Entry Surface Mount PCB Receptacles        | <u><a href="#">78788</a></u> |
| Milli-Grid Top/Bottom Entry Surface Mount PCB Receptacles | <u><a href="#">79109</a></u> |
| Milli-Grid Top Entry Surface Mount PCB Receptacles        | <u><a href="#">87381</a></u> |
| Milli-Grid Side Entry Through Hole PCB Receptacles        | <u><a href="#">87264</a></u> |