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Part Number:

87760-0416

Status:

Active

Overview:

Milli-Grid™ Connector System

Description:

2.00mm Pitch Milli-Grid™ Header, Right Angle, Through Hole, 4 Circuits, 0.38µm Gold (Au) Selective Plating, Tray, Lead-Free

|                               |                                                          |
|-------------------------------|----------------------------------------------------------|
| Documents:                    |                                                          |
| <a href="#">3D Model</a>      | <a href="#">Product Specification PS-87761-100 (PDF)</a> |
| <a href="#">Drawing (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>     |

Agency Certification

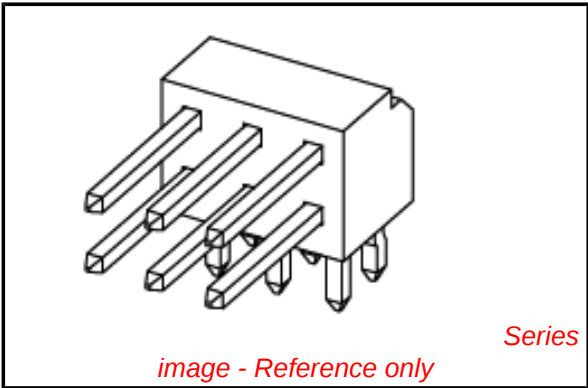
|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

General

|                |                                              |
|----------------|----------------------------------------------|
| Product Family | PCB Headers                                  |
| Series         | 87760                                        |
| Application    | Board-to-Board, Signal, Wire-to-Board        |
| Comments       | Lead-Free version of 87049 series            |
| Overview       | <a href="#">Milli-Grid™ Connector System</a> |
| Product Name   | Milli-Grid™                                  |
| UPC            | 822348271726                                 |

Physical

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 4                              |
| Circuits (maximum)             | 4                              |
| Color - Resin                  | Black                          |
| First Mate / Last Break        | No                             |
| Flammability                   | 94V-0                          |
| Glow-Wire Compliant            | 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                     | 0.169/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                            |
| Surface Mount Compatible (SMC) | Yes                            |



EU RoHS

ELV and RoHS Compliant

REACH SVHC

Contains SVHC: No

Low-Halogen Status

Not Low-Halogen

China RoHS

Need more information on product environmental compliance?

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

87760Series

Mates With

79107 Milli-Grid™ Receptacle, Vertical, Through Hole, 79108 Milli-Grid™ Flex-to-Board, Vertical Receptacle, Milli-Grid™ Receptacle, Surface Mount, 79109 , 87381

|                               |                 |
|-------------------------------|-----------------|
| Temperature Range - Operating | -55°C to +105°C |
| Termination Interface: Style  | Through Hole    |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 2A   |
| Voltage - Maximum             | 125V |

**Solder Process Data**

|                                                |                        |
|------------------------------------------------|------------------------|
| Duration at Max. Process Temperature (seconds) | 14                     |
| Lead-free Process Capability                   | Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature        | 1                      |
| Process Temperature max. C                     | 265                    |

**Material Info**

**Reference - Drawing Numbers**

|                       |              |
|-----------------------|--------------|
| Product Specification | PS-87761-100 |
| Sales Drawing         | SD-87760-109 |

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