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Part Number:

0877605016

Status:

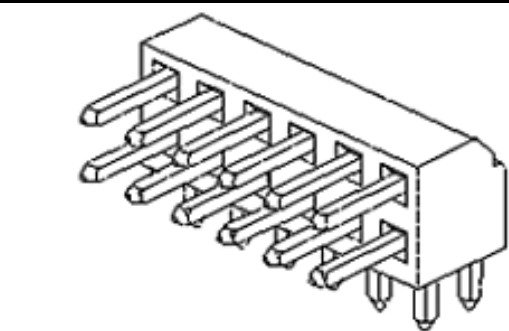
Active

Overview:

Milli-Grid Connector System

Description:

2.00mm Pitch Milli-Grid Header, Right-Angle, Through Hole, 50 Circuits, 0.38µm Gold (Au) Selective Plating, Tray, Lead-Free



Series image - Reference only

|                                                              |                                                                  |
|--------------------------------------------------------------|------------------------------------------------------------------|
| Documents:                                                   |                                                                  |
| <a href="#">3D Model</a>                                     | <a href="#">Application Specification 503940001-AS-000 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                               | <a href="#">Packaging Specification PK-89990-487-001 (PDF)</a>   |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |
| <a href="#">Product Specification PS-87761-100-001 (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                                  |
| Taxonomy                       | PCB Headers and Receptacles                 |
| UPC                            | 822348271825                                |
| Physical                       |                                             |
| Breakaway                      | No                                          |
| Circuits (Loaded)              | 50                                          |
| Circuits (maximum)             | 50                                          |
| 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                     | 1.979/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                                          |

|                                                               |               |
|---------------------------------------------------------------|---------------|
| EU ELV                                                        |               |
| Not Relevant                                                  |               |
| EU RoHS                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per - D(2022)4187-DC (10 June 2022)             |               |
| Halogen-Free                                                  |               |
| Status                                                        |               |
| Not Low-Halogen                                               |               |
| For more information, please visit <a href="#">Contact US</a> |               |
| China ROHS                                                    | Green Image   |
| ELV                                                           | Not Relevant  |
| RoHS Phthalates                                               | 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](#) . Milli-Grid Side Entry Surface Mount Receptacle [87264](#)

|                                                |                  |
|------------------------------------------------|------------------|
| Stackable                                      | Yes              |
| Surface Mount Compatible (SMC)                 | Yes              |
| Temperature Range - Operating                  | -55° to +105°C   |
| Termination Interface: Style                   | Through Hole     |
| <b>Electrical</b>                              |                  |
| Current - Maximum per Contact                  | 2.0A             |
| Voltage - Maximum                              | 125V             |
| <b>Solder Process Data</b>                     |                  |
| Duration at Max. Process Temperature (seconds) | 014              |
| Lead-freeProcess Capability                    | WAVE             |
| Max. Cycles at Max. Process Temperature        | 001              |
| Process Temperature max. C                     | 265              |
| <b>Material Info</b>                           |                  |
| <b>Reference - Drawing Numbers</b>             |                  |
| Application Specification                      | 503940001-AS-000 |
| Packaging Specification                        | PK-89990-487-001 |
| Product Specification                          | PS-87761-100-001 |
| Sales Drawing                                  | SD-87760-109-001 |

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