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Part Number:

0878325722

Status:

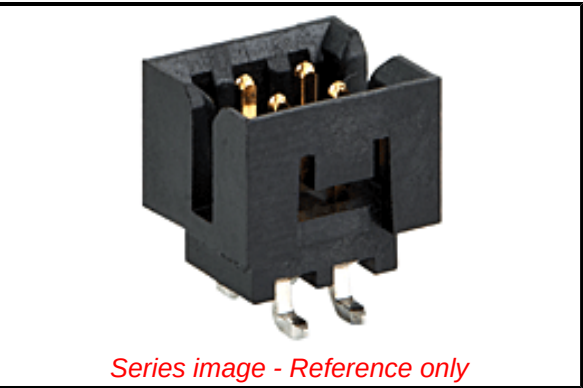
Active

Overview:

Milli-Grid™ Connector System

Description:

Milli-Grid™ Header, Surface Mount, Vertical, Shrouded, Lead-Free, 16 Circuits, 0.38µm Gold (Au) Plating, with Pick-and-Place Cap, with Side and Center Locking Windows and Center Polarization Slot, with PCB Locator, Embossed T



|                                                              |                                                            |
|--------------------------------------------------------------|------------------------------------------------------------|
| Documents:                                                   |                                                            |
| <a href="#">3D Model</a>                                     | <a href="#">Packaging Specification PK-87831-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Packaging Specification PK-87832-300 (PDF)</a> |
| <a href="#">Product Specification PS-87831-027-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>       |

|                                |                                                               |
|--------------------------------|---------------------------------------------------------------|
| Agency Certification           |                                                               |
| CSA                            | LR19980                                                       |
| UL                             | E29179                                                        |
| General                        |                                                               |
| Product Family                 | PCB Headers                                                   |
| Series                         | 87832                                                         |
| Application                    | Signal, Wire-to-Board                                         |
| Comments                       | With Cap Contact Molex for application in automotive industry |
| Overview                       | Milli-Grid™ Connector System                                  |
| Product Name                   | Milli-Grid™                                                   |
| UPC                            | 822348274642                                                  |
| Physical                       |                                                               |
| Breakaway                      | No                                                            |
| Circuits (Loaded)              | 16                                                            |
| Circuits (maximum)             | 16                                                            |
| Color - Resin                  | Black                                                         |
| Durability (mating cycles max) | 100                                                           |
| First Mate / Last Break        | No                                                            |
| Flammability                   | 94V-0                                                         |
| Glow-Wire Compliant            | No                                                            |
| Guide to Mating Part           | No                                                            |
| Keying to Mating Part          | Yes                                                           |
| Lock to Mating Part            | Yes                                                           |
| Material - Metal               | Phosphor Bronze                                               |
| Material - Plating Mating      | Gold                                                          |
| Material - Plating Termination | Tin                                                           |
| Material - Resin               | Nylon                                                         |
| Net Weight                     | 0.730/g                                                       |
| Number of Rows                 | 2                                                             |
| Orientation                    | Vertical                                                      |
| PCB Locator                    | No                                                            |
| PCB Retention                  | None                                                          |
| Packaging Type                 | Embossed Tape on Reel                                         |
| Pitch - Mating Interface       | 2.00mm                                                        |
| Pitch - Termination Interface  | 2.00mm                                                        |
| Plating min - Mating           | 0.381µm                                                       |
| Plating min - Termination      | 1.905µm                                                       |
| Polarized to PCB               | No                                                            |
| Robotic Placement              | Pick and Place Cap                                            |
| Shrouded                       | Fully                                                         |
| Stackable                      | No                                                            |
| Surface Mount Compatible (SMC) | Yes                                                           |

|                                                                                               |              |
|-----------------------------------------------------------------------------------------------|--------------|
| EU ELV                                                                                        |              |
| Not Relevant                                                                                  |              |
| EU RoHS                                                                                       | China RoHS   |
| Compliant                                                                                     |              |
| REACH SVHC                                                                                    |              |
| Not Contained Per - ED/21/2016 (20 June 2016)                                                 |              |
| Halogen-Free                                                                                  |              |
| Status                                                                                        |              |
| Not Low-Halogen                                                                               |              |
| Need more information on product environmental compliance?                                    |              |
| Email <a href="mailto:productcompliance@molex.com">productcompliance@molex.com</a>            |              |
| Please visit the <a href="#">Contact Us</a> section for any non-product compliance questions. |              |
| China ROHS                                                                                    | Green Image  |
| ELV                                                                                           | Not Relevant |
| RoHS Phthalates                                                                               | Not Relevant |

Search Parts in this Series

87832 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™ Crimp Housing [51110](#) , Milli-Grid™ Cable-to-Board Receptacle [87568](#)

|                                                |                            |
|------------------------------------------------|----------------------------|
| Temperature Range - Operating                  | -55°C to +105°C            |
| Termination Interface: Style                   | Surface Mount              |
| <b>Electrical</b>                              |                            |
| Current - Maximum per Contact                  | 2.0A                       |
| Voltage - Maximum                              | 125V                       |
| <b>Solder Process Data</b>                     |                            |
| Duration at Max. Process Temperature (seconds) | 010                        |
| Lead-freeProcess Capability                    | REFLOW                     |
| Max. Cycles at Max. Process Temperature        | 001                        |
| Process Temperature max. C                     | 260                        |
| <b>Material Info</b>                           |                            |
| <b>Reference - Drawing Numbers</b>             |                            |
| Packaging Specification                        | PK-87831-001, PK-87832-300 |
| Product Specification                          | PS-87831-027-001           |
| Sales Drawing                                  | SD-87832-0001              |

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