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Part Number:

0460150802

Status:

Active

Overview:

Mini-Fit Family Power Connectors

Description:

Mini-Fit Plus Header, Dual Row, Vertical, 8 Circuits, without Snap-in Plastic Peg PCB Lock, without Drain Holes, PA Polyamide Nylon 6/6, UL 94V-0, Tin (Sn) 1.27µm Over Nickel (Ni) Plating

|                                                              |                                                                |
|--------------------------------------------------------------|----------------------------------------------------------------|
| Documents:                                                   |                                                                |
| <a href="#">3D Model</a>                                     | <a href="#">Packaging Specification PK-5566-001-001 (PDF)</a>  |
| <a href="#">3D Model (PDF)</a>                               | <a href="#">Test Summary TS-5566-002-001 (PDF)</a>             |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Symbol Footprint Data SYM-46015-0802-001 (PDF)</a> |
| <a href="#">Product Specification PS-45750-001-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>           |

|                      |                                                                                                                                                                                                                                            |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Agency Certification |                                                                                                                                                                                                                                            |
| CSA                  | LR19980                                                                                                                                                                                                                                    |
| UL                   | E29179                                                                                                                                                                                                                                     |
| General              |                                                                                                                                                                                                                                            |
| Product Family       | PCB Headers                                                                                                                                                                                                                                |
| Series               | 46015                                                                                                                                                                                                                                      |
| Application          | Power, Wire-to-Board                                                                                                                                                                                                                       |
| Comments             | Current = 13A max. per circuit when header is mated to a receptacle loaded with 45750 Mini-Fit Plus HCS Crimp Terminal Crimped to 16 AWG wire., See Molex product specification PS-45750-001 for additional current de-rating information. |
| Overview             | <a href="#">Mini-Fit Family Power Connectors</a>                                                                                                                                                                                           |
| Product Name         | Mini-Fit Plus                                                                                                                                                                                                                              |
| UPC                  | 822350737227                                                                                                                                                                                                                               |

|                                |              |
|--------------------------------|--------------|
| Physical                       |              |
| Breakaway                      | No           |
| Circuits (Loaded)              | 8            |
| Circuits (maximum)             | 8            |
| Color - Resin                  | Natural      |
| Durability (mating cycles max) | 75           |
| 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            | Yes          |
| Material - Metal               | Copper Alloy |
| Material - Plating Mating      | Tin          |
| Material - Plating Termination | Tin          |
| Material - Resin               | Nylon        |
| Net Weight                     | 2.418/g      |
| Number of Rows                 | 2            |
| Orientation                    | Vertical     |
| PC Tail Length                 | 1.80mm       |
| PCB Locator                    | Yes          |
| PCB Retention                  | None         |
| PCB Thickness - Recommended    | 1.78mm       |
| Packaging Type                 | Tray         |
| Pitch - Mating Interface       | 4.20mm       |
| Plating min - Mating           | 2.540µm      |
| Plating min - Termination      | 1.270µm      |



Series image - Reference only

|                                                               |               |
|---------------------------------------------------------------|---------------|
| EU ELV                                                        |               |
| Not Relevant                                                  |               |
| EU RoHS                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per - D(2020)9139-DC (19 Jan 2021)              |               |
| Halogen-Free                                                  |               |
| Status                                                        |               |
| 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

46015 Series

Mates With

5557 Mini-Fit Jr. Receptacle Housing

|                                                |                    |
|------------------------------------------------|--------------------|
| Polarized to Mating Part                       | Yes                |
| Polarized to PCB                               | Yes                |
| Shrouded                                       | Fully              |
| Stackable                                      | No                 |
| Surface Mount Compatible (SMC)                 | No                 |
| Temperature Range - Operating                  | -40° to +105°C     |
| Termination Interface: Style                   | Through Hole       |
| <b>Electrical</b>                              |                    |
| Current - Maximum per Contact                  | 13.0A              |
| Voltage - Maximum                              | 600V               |
| <b>Solder Process Data</b>                     |                    |
| Duration at Max. Process Temperature (seconds) | 005                |
| Lead-freeProcess Capability                    | WAVE               |
| Max. Cycles at Max. Process Temperature        | 001                |
| Process Temperature max. C                     | 260                |
| <b>Material Info</b>                           |                    |
| <b>Reference - Drawing Numbers</b>             |                    |
| Packaging Specification                        | PK-5566-001-001    |
| Product Specification                          | PS-45750-001-001   |
| Sales Drawing                                  | SD-46015-001-000   |
| Symbol/Footprint Data                          | SYM-46015-0802-001 |
| Test Summary                                   | TS-5566-002-001    |

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