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Part Number:

0460140305

Status:

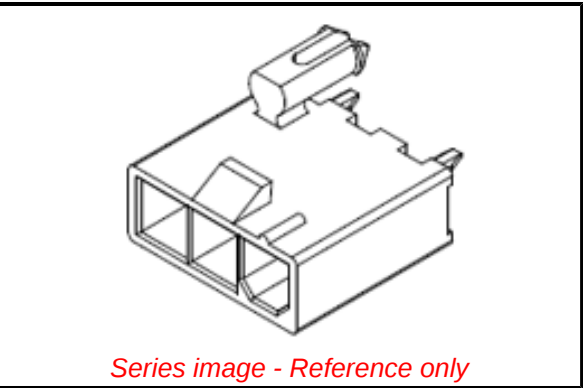
Active

Overview:

Mini-Fit Plus Connector System

Description:

Mini-Fit Plus Header, 4.20mm Pitch, Single Row, Vertical, 3 Circuits, with Snap-in Plastic Peg PCB Lock, PA Polyamide Nylon 6/6, UL 94V-2, Tin (Sn) Over Nickel (Ni) Plating



Series image - Reference only

Documents:

3D Model

Drawing (PDF)

Product Specification PS-45750-001-001 (PDF)

Packaging Specification PK-5566-002-000 (PDF)

RoHS Certificate of Compliance (PDF)

|                                |                                                                                                                                                                      |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Agency Certification           |                                                                                                                                                                      |
| CSA                            | LR19980                                                                                                                                                              |
| UL                             | E29179                                                                                                                                                               |
| General                        |                                                                                                                                                                      |
| Product Family                 | PCB Headers                                                                                                                                                          |
| Series                         | 46014                                                                                                                                                                |
| 3D Viewer                      | Yes                                                                                                                                                                  |
| Application                    | Board-to-Board, Power, Wire-to-Board                                                                                                                                 |
| CURRENT-MAX-NUMERIC            | 11.5, 12.5                                                                                                                                                           |
| Comments                       | 11.5A When using as Board-to-Board Applications 12.5A When Using as Wire-to-Board, 11.5A When using as Board-to-Board Applications 12.5A When Using as Wire-to-Board |
| Overview                       | Mini-Fit Plus Connector System                                                                                                                                       |
| PITCH-MATING-NUMERIC           | 4.20                                                                                                                                                                 |
| Product Name                   | Mini-Fit Plus                                                                                                                                                        |
| UPC                            | 884982067455                                                                                                                                                         |
| Physical                       |                                                                                                                                                                      |
| Breakaway                      | No                                                                                                                                                                   |
| Circuits (Loaded)              | 3                                                                                                                                                                    |
| Circuits (maximum)             | 3                                                                                                                                                                    |
| Color - Resin                  | Natural                                                                                                                                                              |
| Durability (mating cycles max) | 100                                                                                                                                                                  |
| First Mate / Last Break        | No                                                                                                                                                                   |
| Flammability                   | 94V-2                                                                                                                                                                |
| 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 | Nickel                                                                                                                                                               |
| Material - Resin               | Nylon                                                                                                                                                                |
| Net Weight                     | 0.846/g                                                                                                                                                              |
| Number of Rows                 | 1                                                                                                                                                                    |
| Orientation                    | Vertical                                                                                                                                                             |
| PC Tail Length                 | 1.80mm                                                                                                                                                               |
| PCB Locator                    | Yes                                                                                                                                                                  |
| PCB Retention                  | Yes                                                                                                                                                                  |
| PCB Thickness - Recommended    | 1.78mm                                                                                                                                                               |
| Packaging Type                 | Tray                                                                                                                                                                 |
| Pitch - Mating Interface       | 4.20mm                                                                                                                                                               |
| Polarized to Mating Part       | Yes                                                                                                                                                                  |

|                                                               |               |
|---------------------------------------------------------------|---------------|
| EU ELV                                                        |               |
| Not Relevant                                                  |               |
| EU RoHS                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per - ED/71/2019 (16 July 2019)                 |               |
| 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

46014 Series

Mates With

5557 Mini-Fit Jr. Receptacle Housing

|                                                |                  |
|------------------------------------------------|------------------|
| 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                  | 11.5A, 12.5A     |
| 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                     | 240              |
| <b>Material Info</b>                           |                  |
| <b>Reference - Drawing Numbers</b>             |                  |
| Packaging Specification                        | PK-5566-002-000  |
| Product Specification                          | PS-45750-001-001 |
| Sales Drawing                                  | SD-46014-003-000 |

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