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Part Number:

0462070010

Status:

Active

Overview:

Mini-Fit Family Power Connectors

Description:

4.20mm Pitch, Mini-Fit Jr. Reflow Solder Capable Header, Dual Row, Vertical, 10 Circuits, 1.57mm PCB Thickness, with PCB Pegs, LCP Housing, with Tin (Sn) Over Nickel (Ni) Plating, Glow-Wire Capable, Tray

- Documents:
- 3D Model (PDF)

Drawing (PDF)

3D Model

Product Specification 55560004-PS-CH-000 (PDF)

Product Specification 55560004-PS-ES-000 (PDF)

Product Specification 55560004-PS-SK-000 (PDF)

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

Product Specification PS-5556-004-001 (PDF)

Packaging Specification PK-46207-001-000 (PDF)

Symbol Footprint Data SYM-46207-0010-001 (PDF)

RoHS Certificate of Compliance (PDF)

|                                |                                                                                                                                |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Agency Certification           |                                                                                                                                |
| CSA                            | LR19980                                                                                                                        |
| UL                             | E29179                                                                                                                         |
| General                        |                                                                                                                                |
| Product Family                 | PCB Headers                                                                                                                    |
| Series                         | 46207                                                                                                                          |
| Application                    | Board-to-Board, Power, Wire-to-Board                                                                                           |
| Comments                       | Current for wire-to-wire applications = 13.0A max. per circuit. Current for wire-to-board applications = 9.0A max. per circuit |
| Overview                       | Mini-Fit Family Power Connectors                                                                                               |
| Product Name                   | Mini-Fit Jr.                                                                                                                   |
| UPC                            | 800756675787                                                                                                                   |
| Physical                       |                                                                                                                                |
| Breakaway                      | No                                                                                                                             |
| Circuits (Loaded)              | 10                                                                                                                             |
| Circuits (maximum)             | 10                                                                                                                             |
| Color - Resin                  | Black                                                                                                                          |
| Durability (mating cycles max) | 100                                                                                                                            |
| First Mate / Last Break        | No                                                                                                                             |
| Flammability                   | 94V-0                                                                                                                          |
| Glow-Wire Capable              | Yes                                                                                                                            |
| Guide to Mating Part           | No                                                                                                                             |
| Lock to Mating Part            | Yes                                                                                                                            |
| Material - Metal               | Brass                                                                                                                          |
| Material - Plating Mating      | Matte Tin                                                                                                                      |
| Material - Plating Termination | Matte Tin                                                                                                                      |
| Material - Resin               | High Temperature Thermoplastic                                                                                                 |
| Net Weight                     | 3.621/g                                                                                                                        |
| Number of Rows                 | 2                                                                                                                              |
| Orientation                    | Vertical                                                                                                                       |
| PC Tail Length                 | 3.66mm                                                                                                                         |
| PCB Locator                    | Yes                                                                                                                            |
| PCB Retention                  | Yes                                                                                                                            |
| PCB Thickness - Recommended    | 1.57mm                                                                                                                         |
| Packaging Type                 | Tray                                                                                                                           |
| Pitch - Mating Interface       | 4.20mm                                                                                                                         |
| Pitch - Termination Interface  | 4.20mm                                                                                                                         |
| Polarized to Mating Part       | Yes                                                                                                                            |
| Polarized to PCB               | Yes                                                                                                                            |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

Green Image

REACH SVHC

Not Contained Per - D(2021)4569-DC (8 July 2021)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

Search Parts in this Series

46207 Series

Mates With

45750 Terminal, 5557 Mini Fit Jr. Receptacle, 172708 Mini-Fit TPA2 Receptacle Housing

|                                                |                                                                                                     |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Shrouded                                       | Fully                                                                                               |
| Stackable                                      | No                                                                                                  |
| Surface Mount Compatible (SMC)                 | Yes                                                                                                 |
| Temperature Range - Operating                  | -40° to +105°C                                                                                      |
| Termination Interface: Style                   | Through Hole                                                                                        |
| <b>Electrical</b>                              |                                                                                                     |
| Current - Maximum per Contact                  | 13.0A                                                                                               |
| Voltage - Maximum                              | 600V AC (RMS)/DC                                                                                    |
| <b>Solder Process Data</b>                     |                                                                                                     |
| Duration at Max. Process Temperature (seconds) | 030                                                                                                 |
| Lead-freeProcess Capability                    | SMC&WAVE                                                                                            |
| Max. Cycles at Max. Process Temperature        | 003                                                                                                 |
| Process Temperature max. C                     | 265                                                                                                 |
| <b>Material Info</b>                           |                                                                                                     |
| <b>Reference - Drawing Numbers</b>             |                                                                                                     |
| Packaging Specification                        | PK-46207-001-000                                                                                    |
| Product Specification                          | 55560004-PS-CH-000, 55560004-PS-ES-000,<br>55560004-PS-SK-000, PS-45750-001-001,<br>PS-5556-004-001 |
| Sales Drawing                                  | SD-46207-001-000                                                                                    |
| Symbol/Footprint Data                          | SYM-46207-0010-001                                                                                  |

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