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Part Number:

0462071204

Status:

Active

Overview:

Mini-Fit Jr. Power Connectors

Description:

4.20mm Pitch, Mini-Fit Jr. Reflow Solder Capable Header, Dual Row, Vertical, 4 Circuits, 3.18mm PCB Thickness, without PCB Pegs, LCP Housing, with Tin (Sn) Over Nickel (Ni) Plating, Glow-Wire Capable, Tray

Documents:

3D Model

Drawing (PDF)

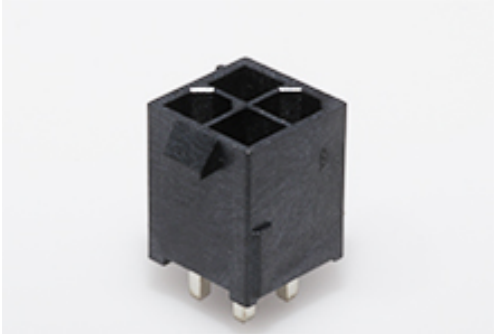
Product Specification PS-5556-001-001 (PDF)

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

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

RoHS Certificate of Compliance (PDF)

|                                |                                                                                                                                                                                                                                                                |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Agency Certification           |                                                                                                                                                                                                                                                                |
| CSA                            | LR19980                                                                                                                                                                                                                                                        |
| UL                             | E29179                                                                                                                                                                                                                                                         |
| General                        |                                                                                                                                                                                                                                                                |
| Product Family                 | PCB Headers                                                                                                                                                                                                                                                    |
| Series                         | 46207                                                                                                                                                                                                                                                          |
| 3D Viewer                      | Yes                                                                                                                                                                                                                                                            |
| Application                    | Board-to-Board, Power, Wire-to-Board                                                                                                                                                                                                                           |
| CURRENT-MAX-NUMERIC            | 13.0                                                                                                                                                                                                                                                           |
| Comments                       | Current for wire-to-wire applications = 13.0A max. per circuit. Current for wire-to-board applications = 9.0A max. per circuit, 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 Jr. Power Connectors                                                                                                                                                                                                                                  |
| PITCH-MATING-NUMERIC           | 4.20                                                                                                                                                                                                                                                           |
| Product Name                   | Mini-Fit Jr.                                                                                                                                                                                                                                                   |
| UPC                            | 883906251666                                                                                                                                                                                                                                                   |
| Physical                       |                                                                                                                                                                                                                                                                |
| Breakaway                      | No                                                                                                                                                                                                                                                             |
| Circuits (Loaded)              | 4                                                                                                                                                                                                                                                              |
| Circuits (maximum)             | 4                                                                                                                                                                                                                                                              |
| 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                     | 1.647/g                                                                                                                                                                                                                                                        |
| Number of Rows                 | 2                                                                                                                                                                                                                                                              |
| Orientation                    | Vertical                                                                                                                                                                                                                                                       |
| PC Tail Length                 | 5.26mm                                                                                                                                                                                                                                                         |
| PCB Locator                    | Yes                                                                                                                                                                                                                                                            |
| PCB Retention                  | Yes                                                                                                                                                                                                                                                            |
| PCB Thickness - Recommended    | 3.18mm                                                                                                                                                                                                                                                         |
| Packaging Type                 | Tray                                                                                                                                                                                                                                                           |
| Pitch - Mating Interface       | 4.20mm                                                                                                                                                                                                                                                         |
| Pitch - Termination Interface  | 4.20mm                                                                                                                                                                                                                                                         |



Series image - Reference only

|                                                               |               |
|---------------------------------------------------------------|---------------|
| 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

46207 Series

Mates With

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

|                                                |                                  |
|------------------------------------------------|----------------------------------|
| Polarized to Mating Part                       | Yes                              |
| Polarized to PCB                               | Yes                              |
| 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                          | PS-5556-001-001, PS-5556-004-001 |
| Sales Drawing                                  | SD-46207-002-000                 |
| Symbol/Footprint Data                          | SYM-46207-1004                   |

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