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Part Number:

1722871103

Status:

Active

Overview:

Ultra-Fit Power Connectors

Description:

Ultra-Fit Vertical Header, 3.50mm Pitch, Single Row, 3 Circuits, with Solder Clips, Tin (Sn), Glow-Wire Capable, Black

Documents:

Drawing (PDF)

3D Model

Product Specification 1723230001-TS-000 (PDF)

Product Specification PS-172323-0001-001 (PDF)

Application Specification AS-172323-0001-001 (PDF)

Packaging Specification PK-172287-9001 (PDF)

RoHS Certificate of Compliance (PDF)

Product Literature (PDF)

|                                |                                                                                                                                                                      |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Agency Certification           |                                                                                                                                                                      |
| CSA                            | LR19980                                                                                                                                                              |
| UL                             | E29179                                                                                                                                                               |
| General                        |                                                                                                                                                                      |
| Product Family                 | PCB Headers                                                                                                                                                          |
| Series                         | 172287                                                                                                                                                               |
| Application                    | Power, Wire-to-Board                                                                                                                                                 |
| Comments                       | See Product Specification for maximum current rating by circuit size and wire AWG, See Product Specification for maximum current rating by circuit size and wire AWG |
| Overview                       | Ultra-Fit Power Connectors                                                                                                                                           |
| Product Literature Order No    | 987651-1008                                                                                                                                                          |
| Product Name                   | Ultra-Fit                                                                                                                                                            |
| UPC                            | 887191736709                                                                                                                                                         |
| Physical                       |                                                                                                                                                                      |
| Breakaway                      | No                                                                                                                                                                   |
| Circuits (Loaded)              | 3                                                                                                                                                                    |
| Circuits (maximum)             | 3                                                                                                                                                                    |
| Color - Resin                  | Black                                                                                                                                                                |
| Durability (mating cycles max) | 25                                                                                                                                                                   |
| First Mate / Last Break        | No                                                                                                                                                                   |
| Flammability                   | 94V-0                                                                                                                                                                |
| Glow-Wire Capable              | Yes                                                                                                                                                                  |
| Guide to Mating Part           | No                                                                                                                                                                   |
| Keying to Mating Part          | Yes                                                                                                                                                                  |
| Lock to Mating Part            | Yes                                                                                                                                                                  |
| Material - Metal               | Copper Alloy                                                                                                                                                         |
| Material - Plating Mating      | Tin                                                                                                                                                                  |
| Material - Plating Termination | Tin                                                                                                                                                                  |
| Material - Resin               | Liquid Crystal Polymer                                                                                                                                               |
| Net Weight                     | 1.211/g                                                                                                                                                              |
| Number of Rows                 | 1                                                                                                                                                                    |
| Orientation                    | Vertical                                                                                                                                                             |
| PC Tail Length                 | 3.20mm                                                                                                                                                               |
| PCB Locator                    | Yes                                                                                                                                                                  |
| PCB Retention                  | Yes                                                                                                                                                                  |
| PCB Thickness - Recommended    | 1.60mm                                                                                                                                                               |
| Packaging Type                 | Tray                                                                                                                                                                 |
| Pitch - Mating Interface       | 3.50mm                                                                                                                                                               |
| Pitch - Termination Interface  | 3.50mm                                                                                                                                                               |
| Plating min - Mating           | 1.524µm                                                                                                                                                              |
| Plating min - Termination      | 1.524µm                                                                                                                                                              |
| Polarized to Mating Part       | Yes                                                                                                                                                                  |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

Green Image

REACH SVHC

Not Contained Per

-ED/88/2018 (15

January 2019)

Halogen-Free

Status

Low-Halogen

For more information, please visit

Contact US

China ROHS

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series

172287 Series

Mates With

Ultra-Fit Receptacle Housing 172256

|                                                |                                       |
|------------------------------------------------|---------------------------------------|
| Polarized to PCB                               | Yes                                   |
| Shrouded                                       | Fully                                 |
| Surface Mount Compatible (SMC)                 | Yes                                   |
| Temperature Range - Operating                  | -40° to +120°C                        |
| Termination Interface: Style                   | Through Hole                          |
| <b>Electrical</b>                              |                                       |
| Current - Maximum per Contact                  | 14.0A                                 |
| Voltage - Maximum                              | 400V AC (RMS)/DC                      |
| <b>Solder Process Data</b>                     |                                       |
| Duration at Max. Process Temperature (seconds) | 090                                   |
| Lead-freeProcess Capability                    | WAVE                                  |
| Max. Cycles at Max. Process Temperature        | 002                                   |
| Process Temperature max. C                     | 260                                   |
| <b>Material Info</b>                           |                                       |
| <b>Reference - Drawing Numbers</b>             |                                       |
| Application Specification                      | AS-172323-0001-001                    |
| Packaging Specification                        | PK-172287-9001                        |
| Product Specification                          | 1723230001-TS-000, PS-172323-0001-001 |
| Sales Drawing                                  | SD-172287-1000-000                    |
| Symbol/Footprint Data                          | SYM-172287-1103                       |

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