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Part Number:

1722982114

Status:

Active

Overview:

Ultra-Fit Power Connectors

Description:

Ultra-Fit Vertical Header, 3.50mm Pitch, Dual Row, 14 Circuits, with Kinked Pins, Tin (Sn) Plating, Natural, Glow-Wire Capable

- Documents:
- Drawing (PDF)

3D Model

3D Model (PDF)

Product Specification 1723230001-TS-000 (PDF)

Product Specification 1723231000-PS-CH-000 (PDF)

Product Specification 1723231000-PS-ES-000 (PDF)

Product Specification 1723231000-PS-JP-000 (PDF)

Product Specification 1723231000-PS-SK-000 (PDF)

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

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

Packaging Specification PK-172298-9001-001 (PDF)

Datasheet (PDF)

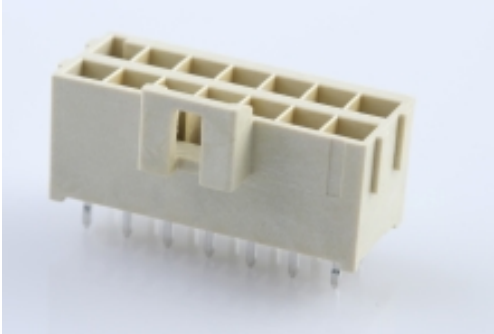
Symbol Footprint Data 1722981114-000 (PDF)

Symbol Footprint Data SYM-172298-1214-001 (PDF)

RoHS Certificate of Compliance (PDF)

| Agency Certification |                                                                                   |
|----------------------|-----------------------------------------------------------------------------------|
| CSA                  | LR19980                                                                           |
| UL                   | E29179                                                                            |
| General              |                                                                                   |
| Product Family       | PCB Headers                                                                       |
| Series               | 172298                                                                            |
| Application          | Power, Wire-to-Board                                                              |
| Comments             | See Product Specification for maximum current rating by circuit size and wire AWG |
| Component Type       | PCB Header                                                                        |
| Overview             | Ultra-Fit Power Connectors                                                        |
| Product Name         | Ultra-Fit                                                                         |
| Taxonomy             | PCB Headers and Receptacles                                                       |
| UPC                  | 887191737379                                                                      |

| Physical                       |                        |
|--------------------------------|------------------------|
| Breakaway                      | No                     |
| Circuits (Loaded)              | 14                     |
| Circuits (maximum)             | 14                     |
| Color - Resin                  | Natural                |
| 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                     | 3.202/g                |
| Number of Rows                 | 2                      |
| 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                 |



Series image - Reference only

|                                                               |               |
|---------------------------------------------------------------|---------------|
| EU ELV                                                        |               |
| Not Relevant                                                  |               |
| EU RoHS                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per - D(2022)4187-DC (10 June 2022)             |               |
| 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

172298 Series

Mates With

Ultra-Fit Receptacle Housing 1722584114

|                                                |                                                                                                                                     |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Pitch - Termination Interface                  | 3.50mm                                                                                                                              |
| Plating min - Mating                           | 1.524μm                                                                                                                             |
| Plating min - Termination                      | 1.524μm                                                                                                                             |
| Polarized to Mating Part                       | Yes                                                                                                                                 |
| Polarized to PCB                               | Yes                                                                                                                                 |
| Shrouded                                       | Fully                                                                                                                               |
| Surface Mount Compatible (SMC)                 | Yes                                                                                                                                 |
| Temperature Range - Operating                  | -40° to +105°C                                                                                                                      |
| Termination Interface: Style                   | Through Hole - Kinked Pin                                                                                                           |
| <b>Electrical</b>                              |                                                                                                                                     |
| Current - Maximum per Contact                  | 12.0A                                                                                                                               |
| Voltage - Maximum                              | 600V 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-172298-9001-001                                                                                                                  |
| Product Specification                          | 1723230001-TS-000, 1723231000-PS-CH-000,<br>1723231000-PS-ES-000, 1723231000-PS-JP-000,<br>1723231000-PS-SK-000, PS-172323-0001-001 |
| Sales Drawing                                  | SD-172298-1000-000                                                                                                                  |
| Symbol/Footprint Data                          | 1722981114-000, SYM-172298-1214-001                                                                                                 |

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