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Part Number:

1723164112

Status:

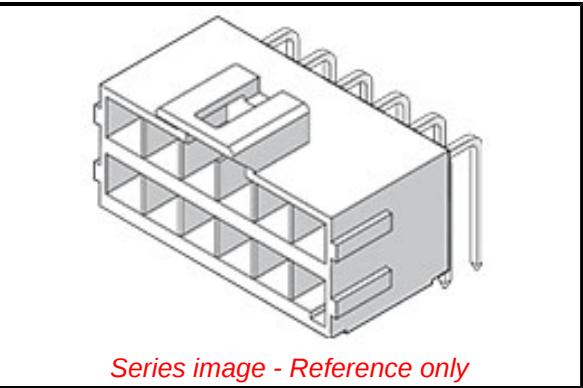
Active

Overview:

Ultra-Fit Power Connectors

Description:

Ultra-Fit Right-Angle Header with Solder Nail, 3.50mm Pitch, Dual Row, 12 Circuits, Matte Tin (Sn) Plating, Natural, Glow-Wire Capable



|                                                                  |                                                                  |
|------------------------------------------------------------------|------------------------------------------------------------------|
| Documents:                                                       |                                                                  |
| <a href="#">3D Model</a>                                         | <a href="#">Product Specification 1723231000-PS-SK-000 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                                   | <a href="#">Product Specification PS-172323-0001-001 (PDF)</a>   |
| <a href="#">Drawing (PDF)</a>                                    | <a href="#">Packaging Specification 1723161114-PK-000 (PDF)</a>  |
| <a href="#">Product Specification 1723230001-TS-000 (PDF)</a>    | <a href="#">Datasheet (PDF)</a>                                  |
| <a href="#">Product Specification 1723231000-PS-CH-000 (PDF)</a> | <a href="#">Symbol Footprint Data SYM-172316-3112-001 (PDF)</a>  |
| <a href="#">Product Specification 1723231000-PS-ES-000 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |
| <a href="#">Product Specification 1723231000-PS-JP-000 (PDF)</a> |                                                                  |

|                                |                                                                                   |
|--------------------------------|-----------------------------------------------------------------------------------|
| General                        |                                                                                   |
| Product Family                 | PCB Headers                                                                       |
| Series                         | 172316                                                                            |
| 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                            | 889056866972                                                                      |
| Physical                       |                                                                                   |
| Breakaway                      | No                                                                                |
| Circuits (Loaded)              | 12                                                                                |
| Circuits (maximum)             | 12                                                                                |
| Color - Resin                  | Natural                                                                           |
| Durability (mating cycles max) | 25                                                                                |
| First Mate / Last Break        | No                                                                                |
| 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      | Matte Tin                                                                         |
| Material - Plating Termination | Matte Tin                                                                         |
| Material - Resin               | Liquid Crystal Polymer                                                            |
| Net Weight                     | 5.164/g                                                                           |
| Number of Rows                 | 2                                                                                 |
| Orientation                    | Right Angle                                                                       |
| 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                                                                               |
| Polarized to PCB               | Yes                                                                               |
| Shrouded                       | Fully                                                                             |

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

172316 Series

Mates With

Ultra-Fit Receptacle Housing [1722584112](#)

|                                    |                                                                                                                                     |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Surface Mount Compatible (SMC)     | Yes                                                                                                                                 |
| Temperature Range - Operating      | -40° to +105°C                                                                                                                      |
| Termination Interface: Style       | Through Hole                                                                                                                        |
| <b>Electrical</b>                  |                                                                                                                                     |
| Current - Maximum per Contact      | 12.0A                                                                                                                               |
| Voltage - Maximum                  | 600V AC (RMS)/DC                                                                                                                    |
| <b>Material Info</b>               |                                                                                                                                     |
| <b>Reference - Drawing Numbers</b> |                                                                                                                                     |
| Packaging Specification            | 1723161114-PK-000                                                                                                                   |
| 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                      | 1723162000-000                                                                                                                      |
| Symbol/Footprint Data              | SYM-172316-3112-001                                                                                                                 |

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