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**Part Number:** [1723161316](#)  
**Status:** **Active**  
**Overview:** [Ultra-Fit Power Connectors](#)  
**Description:** Ultra-Fit Right-Angle Header, 3.50mm Pitch, Dual Row, 16 Circuits, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable

**Documents:**

|  |  |
|--|--|
| <a href="#">3D Model (PDF)</a>                                   | <a href="#">Product Specification 1723231000-PS-SK-000 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                    | <a href="#">Product Specification PS-172323-0001-001 (PDF)</a>   |
| <a href="#">3D Model</a>   | <a href="#">Application Specification AS-172323-0001 (PDF)</a>   |
| <a href="#">Product Specification 1723230001-TS-000 (PDF)</a>    | <a href="#">Packaging Specification 1723161114-PK-000 (PDF)</a>  |
| <a href="#">Product Specification 1723231000-PS-CH-000 (PDF)</a> | <a href="#">Datasheet (PDF)</a>                                  |
| <a href="#">Product Specification 1723231000-PS-ES-000 (PDF)</a> | <a href="#">Symbol Footprint Data SYM-172316-1116 (PDF)</a>      |
| <a href="#">Product Specification 1723231000-PS-JP-000 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |

**Agency Certification**

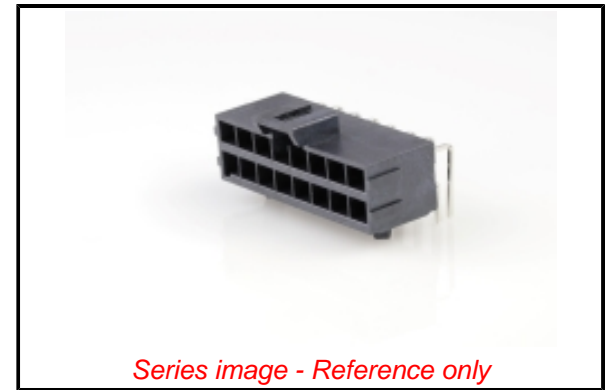
|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                |   |
|----------------|---|
| Product Family | PCB Headers   |
| Series         | <a href="#">172316</a>  |
| Application    | Power, Wire-to-Board  |
| Comments       | See Product Specification for maximum current rating by circuit size and wire AWG |
| Overview       | <a href="#">Ultra-Fit Power Connectors</a>  |
| Product Name   | Ultra-Fit   |
| UPC            | 887191739687  |

**Physical**

|                                |                        |
|--------------------------------|------------------------|
| Breakaway                      | No                     |
| Circuits (Loaded)              | 16                     |
| Circuits (maximum)             | 16                     |
| Color - Resin                  | Black                  |
| Durability (mating cycles max) | 200                    |
| 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      | Gold                   |
| Material - Plating Termination | Tin                    |
| Material - Resin               | Liquid Crystal Polymer |
| Net Weight                     | 4.226/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           | 0.762µm                |
| Plating min - Termination      | 1.524µm                |



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)9139-DC (19  
Jan 2021)

**Halogen-Free**

**Status**

**Low-Halogen**

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

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[172316 Series](#)

**Mates With**

Ultra-Fit Receptacle Housing [1722583116](#)

|                                |                |
|--------------------------------|----------------|
| Polarized to Mating Part       | Yes            |
| Polarized to PCB               | Yes            |
| Shrouded                       | Fully          |
| Surface Mount Compatible (SMC) | Yes            |
| Temperature Range - Operating  | -40° to +120°C |
| Termination Interface: Style   | Through Hole   |

**Electrical**

|                               |                  |
|-------------------------------|------------------|
| Current - Maximum per Contact | 11.0A            |
| Voltage - Maximum             | 600V AC (RMS)/DC |

**Solder Process Data**

|  |      |
|--|------|
| Duration at Max. Process Temperature (seconds) | 090  |
| Lead-free Process Capability                   | WAVE |
| Max. Cycles at Max. Process Temperature        | 002  |
| Process Temperature max. C                     | 260  |

**Material Info****Reference - Drawing Numbers**

|                           |   |
|---------------------------|---|
| Application Specification | AS-172323-0001  |
| 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             | SD-172316-1000-000  |
| Symbol/Footprint Data     | SYM-172316-1116   |

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