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**Part Number:** [1723163204](#)  
**Status:** **Active**  
**Overview:** [Ultra-Fit Power Connectors](#)  
**Description:** Ultra-Fit Right-Angle Header with Solder Nail, 3.50mm Pitch, Dual Row, 4 Circuits, 0.38µm Gold (Au) Plating, Black, 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-172316-3104-001 (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         | <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            | 889056866590                                                                      |

**Physical**

|                                |                        |
|--------------------------------|------------------------|
| Breakaway                      | No                     |
| Circuits (Loaded)              | 4                      |
| Circuits (maximum)             | 4                      |
| Color - Resin                  | Black                  |
| Durability (mating cycles max) | 200                    |
| 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      | Gold                   |
| Material - Plating Termination | Matte Tin              |
| Material - Resin               | Liquid Crystal Polymer |
| Net Weight                     | 1.982/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           | 0.381µm                |
| 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 +120°C         |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**Halogen-Free**

**Status**

**Low-Halogen**

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

**China RoHS**

|                 |               |
|-----------------|---------------|
| China ROHS      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**

[172316](#) Series

**Mates With**

Ultra-Fit Receptacle Housing [1722583104](#)

|                                    |                                                                                                                                     |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Termination Interface: Style       | Through Hole                                                                                                                        |
| <b>Electrical</b>                  |                                                                                                                                     |
| Current - Maximum per Contact      | 11.0A                                                                                                                               |
| 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-172316-3104-001                                                                                                                 |

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