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**Part Number:** [1722992206](#)  
**Status:** **Active**  
**Overview:** [Ultra-Fit Power Connectors](#)  
**Description:** Ultra-Fit Vertical Header, 3.50mm Pitch, Dual Row, 6 Circuits, with Solder Clips, 0.38µm Gold (Au) Plating, Natural, Glow-Wire Capable

**Documents:**

- |                                                                  |                                                                    |
|------------------------------------------------------------------|--------------------------------------------------------------------|
| <a href="#">Drawing (PDF)</a>                                    | <a href="#">Product Specification PS-172323-0001-001 (PDF)</a>     |
| <a href="#">3D Model (PDF)</a>                                   | <a href="#">Application Specification AS-172323-0001-001 (PDF)</a> |
| <a href="#">3D Model</a>                                         | <a href="#">Packaging Specification PK-172299-9001-001 (PDF)</a>   |
| <a href="#">Product Specification 1723230001-TS-000 (PDF)</a>    | <a href="#">Symbol Footprint Data 1722991106-000 (PDF)</a>         |
| <a href="#">Product Specification 1723231000-PS-CH-000 (PDF)</a> | <a href="#">Symbol Footprint Data SYM-172299-1106-001 (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> | <a href="#">Product Literature (PDF)</a>                           |
| <a href="#">Product Specification 1723231000-PS-SK-000 (PDF)</a> |                                                                    |

**Agency Certification**

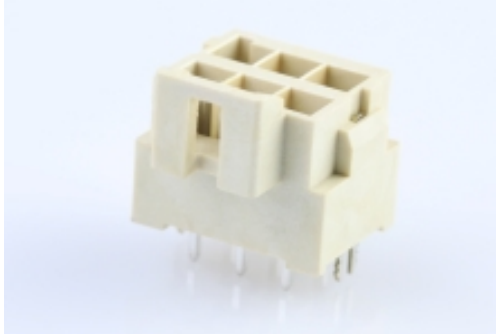
|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                |                                                                                   |
|----------------|-----------------------------------------------------------------------------------|
| Product Family | PCB Headers                                                                       |
| Series         | <a href="#">172299</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            | 887191737829                                                                      |

**Physical**

|                                |                        |
|--------------------------------|------------------------|
| Breakaway                      | No                     |
| Circuits (Loaded)              | 6                      |
| Circuits (maximum)             | 6                      |
| Color - Resin                  | Natural                |
| 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                     | 1.964/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                 |
| Pitch - Termination Interface  | 3.50mm                 |
| Plating min - Mating           | 0.381µm                |



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**

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

**Search Parts in this Series**

[172299 Series](#)

**Mates With**

Ultra-Fit Receptacle Housing [1722584106](#)

|                                |                |
|--------------------------------|----------------|
| 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 |
| Termination Interface: Style   | Through Hole   |

**Electrical**

|                               |                  |
|-------------------------------|------------------|
| Current - Maximum per Contact | 11.0A            |
| Voltage - Maximum             | 400V AC (RMS)/DC |

**Solder Process Data**

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

**Material Info**

**Reference - Drawing Numbers**

|                           |                                                                                                                                     |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Application Specification | AS-172323-0001-001                                                                                                                  |
| Packaging Specification   | PK-172299-9001-001                                                                                                                  |
| 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-172299-1000-000                                                                                                                  |
| Symbol/Footprint Data     | 1722991106-000, SYM-172299-1106-001                                                                                                 |

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