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**Part Number:** [1722861306](#)  
**Status:** **Active**  
**Overview:** [Ultra-Fit Power Connectors](#)  
**Description:** Ultra-Fit Vertical Header, 3.50mm Pitch, Single Row, 6 Circuits, with Kinked Pins, Gold, Glow Wire Capable, Black

**Documents:**

|                                                                |                                                                    |
|----------------------------------------------------------------|--------------------------------------------------------------------|
| <a href="#">3D Model</a>                                       | <a href="#">Application Specification AS-172323-0001-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                  | <a href="#">Packaging Specification PK-172286-9001 (PDF)</a>       |
| <a href="#">Product Specification 1723230001-TS-000 (PDF)</a>  | <a href="#">RoHS Certificate of Compliance (PDF)</a>               |
| <a href="#">Product Specification PS-172323-0001-001 (PDF)</a> | <a href="#">Product Literature (PDF)</a>                           |

**Agency Certification**

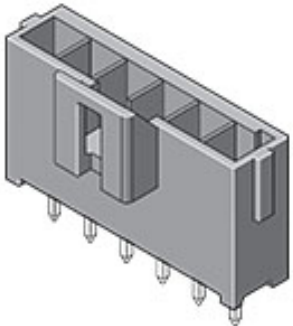
|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                             |                                                                                   |
|-----------------------------|-----------------------------------------------------------------------------------|
| Product Family              | PCB Headers                                                                       |
| Series                      | <a href="#">172286</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 Literature Order No | 987651-1008                                                                       |
| Product Name                | Ultra-Fit                                                                         |
| UPC                         | 887191736457                                                                      |

**Physical**

|                                |                        |
|--------------------------------|------------------------|
| Breakaway                      | No                     |
| Circuits (Loaded)              | 6                      |
| Circuits (maximum)             | 6                      |
| Color - Resin                  | Black                  |
| Durability (mating cycles max) | 200                    |
| First Mate / Last Break        | No                     |
| Flammability                   | 94V-0                  |
| Glow-Wire Compliant            | 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                     | 1.608/g                |
| Number of Rows                 | 1                      |
| 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           | 0.762µm                |
| Plating min - Termination      | 1.524µm                |
| Polarized to Mating Part       | Yes                    |
| Polarized to PCB               | Yes                    |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/30/2017 (7 July  
2017)

**Halogen-Free**

**Status**

**Low-Halogen**

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environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any  
non-product compliance questions.

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

**Search Parts in this Series**

[172286](#) Series

**Mates With**

Ultra-Fit Receptacle Housing [172256](#) ,  
[172260](#)

|                                                |                                       |
|------------------------------------------------|---------------------------------------|
| Shrouded                                       | Fully                                 |
| Surface Mount Compatible (SMC)                 | Yes                                   |
| Temperature Range - Operating                  | -40°C to +120°C                       |
| Termination Interface: Style                   | Through Hole - Kinked Pin             |
| <b>Electrical</b>                              |                                       |
| Current - Maximum per Contact                  | 12.0A                                 |
| Voltage - Maximum                              | 400V 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-172286-9001                        |
| Product Specification                          | 1723230001-TS-000, PS-172323-0001-001 |
| Sales Drawing                                  | SD-172286-1000-000                    |

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