

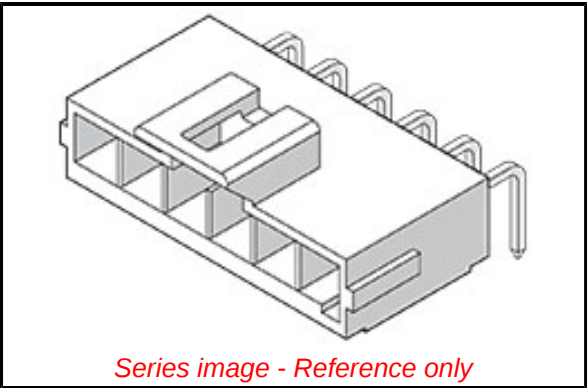
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**Part Number:** [1723102108](#)  
**Status:** **Active**  
**Overview:** [Ultra-Fit Power Connectors](#)  
**Description:** Ultra-Fit Right-Angle Header, 3.50mm Pitch, Single Row, 8 Circuits, Tin (Sn) Plating, Natural, Glow-Wire Capable  
**Replacement Part Number :** <http://www.molex.com/molex/search/partSearch?pQuery=&sType=p&query=17231041081723104108>

|                                                                  |                                                                  |
|------------------------------------------------------------------|------------------------------------------------------------------|
| <b>Documents:</b>                                                |                                                                  |
| <a href="#">3D Model</a>                                         | <a href="#">Application Specification AS-172323-0001 (PDF)</a>   |
| <a href="#">3D Model (PDF)</a>                                   | <a href="#">Packaging Specification PK-172310-9001-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                    | <a href="#">Datasheet (PDF)</a>                                  |
| <a href="#">Product Specification 1723230001-TS-000 (PDF)</a>    | <a href="#">Symbol Footprint Data SYM-172310-1108 (PDF)</a>      |
| <a href="#">Product Specification 1723231000-PS-CH-000 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |
| <a href="#">Product Specification PS-172323-0001-001 (PDF)</a>   |                                                                  |

|                             |                                                                                   |
|-----------------------------|-----------------------------------------------------------------------------------|
| <b>Agency Certification</b> |                                                                                   |
| CSA                         | LR19980                                                                           |
| UL                          | E29179                                                                            |
| <b>General</b>              |                                                                                   |
| Product Family              | PCB Headers                                                                       |
| Series                      | <a href="#">172310</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                                                                         |
| Replacement Part Number     | <a href="#">1723104108</a>                                                        |
| Replacement Part Number     | with soldernail                                                                   |
| UPC                         | 887191738222                                                                      |

|                                |                        |
|--------------------------------|------------------------|
| <b>Physical</b>                |                        |
| Breakaway                      | No                     |
| Circuits (Loaded)              | 8                      |
| Circuits (maximum)             | 8                      |
| Color - Resin                  | Natural                |
| Durability (mating cycles max) | 25                     |
| 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      | Tin                    |
| Material - Plating Termination | Tin                    |
| Material - Resin               | Liquid Crystal Polymer |
| Net Weight                     | 2.256/g                |
| Number of Rows                 | 1                      |
| 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                 |



Series image - Reference only

|                                                                                                                                                                                                                                                  |                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>EU ELV</b><br><b>Not Relevant</b>                                                                                                                                                                                                             |                                                                                               |
| <b>EU RoHS</b><br><b>Compliant</b><br><b>REACH SVHC</b><br>Not Contained Per -<br>D(2020)9139-DC (19<br>Jan 2021)<br><b>Halogen-Free</b><br><b>Status</b><br><b>Low-Halogen</b><br>For more information, please visit <a href="#">Contact US</a> | <b>China RoHS</b><br><br><br><br><br><br><br><br><br><br>China ROHS<br>ELV<br>RoHS Phthalates |
|                                                                                                                                                                                                                                                  | Green Image<br>Not Relevant<br>Not Contained                                                  |

**Search Parts in this Series**  
[172310 Series](#)

**Mates With**  
Ultra-Fit Receptacle Housing [1722564108](#)

|                                                |                                                                |
|------------------------------------------------|----------------------------------------------------------------|
| 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                                                          |
| Surface Mount Compatible (SMC)                 | Yes                                                            |
| Temperature Range - Operating                  | -40° to +105°C                                                 |
| Termination Interface: Style                   | Through Hole                                                   |
| <b>Electrical</b>                              |                                                                |
| Current - Maximum per Contact                  | 14.0A                                                          |
| Voltage - Maximum                              | 600V 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                                                 |
| Packaging Specification                        | PK-172310-9001-001                                             |
| Product Specification                          | 1723230001-TS-000, 1723231000-PS-CH-000,<br>PS-172323-0001-001 |
| Sales Drawing                                  | SD-172310-1000-000                                             |
| Symbol/Footprint Data                          | SYM-172310-1108                                                |

This document was generated on 02/25/2021

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