



**Part Number :** [1723103303](#)  
**Product Description :** Ultra-Fit Right-Angle Header with Solder Nail, 3.50mm Pitch, Single Row, 3 Circuits, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable  
**Series Number :** [172310](#)  
**Status :** Active  
**Product Category :** [PCB Headers and Receptacles](#)



## Documents & Resources

### Drawings

[1723103303\\_sd.pdf](#)  
[PK-172310-9001-001.pdf](#)

### 3D Models and Design Files

[1723103303\\_stp.zip](#)  
[SYM-172310-3103-001.zip](#)

### Specifications

[1723230003-000.pdf](#)  
[1723230001-TS-000.pdf](#)  
[1723231000-PS-CH-000.pdf](#)  
[1723231000-PS-ES-000.pdf](#)  
[1723231000-PS-JP-000.pdf](#)  
[1723231000-PS-SK-000.pdf](#)  
[PS-172323-0001-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                 |
|--------------------|-------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 33; 44; 34             |
| China RoHS         |                                                 |
| EU ELV             | Not Relevant                                    |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                  |
| REACH SVHC         | Not Contained per D(2024)4144-DC (27 June 2024) |
| EU RoHS            | Compliant per EU 2015/863                       |

## Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

## Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## EU RoHS Certificate of Compliance

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### Part Details

#### General

|                |                                                                                                                                         |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                  |
| Category       | PCB Headers and Receptacles                                                                                                             |
| Series         | 172310                                                                                                                                  |
| Description    | Ultra-Fit Right-Angle Header with Solder Nail, 3.50mm Pitch, Single Row, 3 Circuits, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable |
| Application    | Power, Wire-to-Board                                                                                                                    |
| Comments       | See Product Specification for maximum current rating by circuit size and wire AWG                                                       |
| Component Type | PCB Header                                                                                                                              |
| Product Name   | Ultra-Fit                                                                                                                               |
| UPC            | 889056866262                                                                                                                            |

#### Electrical

|                               |                  |
|-------------------------------|------------------|
| Current - Maximum per Contact | 12.0A            |
| Voltage - Maximum             | 600V AC (RMS)/DC |

#### Physical

|                    |       |
|--------------------|-------|
| Breakaway          | No    |
| Circuits (Loaded)  | 3     |
| Circuits (maximum) | 3     |
| 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 | Tin                    |
| Material - Resin               | Liquid Crystal Polymer |
| Net Weight                     | 1.320/g                |
| Number of Rows                 | 1                      |
| Orientation                    | Right Angle            |
| Packaging Type                 | Tray                   |
| PC Tail Length                 | 3.20mm                 |
| PCB Locator                    | Yes                    |
| PCB Retention                  | Yes                    |
| PCB Thickness - Recommended    | 1.60mm                 |
| 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                    |
| Shrouded                       | Fully                  |
| Temperature Range - Operating  | -40° to +120°C         |
| Termination Interface Style    | Through Hole           |

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## Mates With / Use With

### Mates with Part(s)

| Description                                                                                           | Part Number       |
|-------------------------------------------------------------------------------------------------------|-------------------|
| Ultra-Fit Tangless Receptacle Housing, 3.50mm Pitch, Single Row, 3 Circuits, Black, Glow-Wire Capable | <u>1722563103</u> |

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