



Part Number : [1722871202](#)

Product Description : Ultra-Fit Vertical Header, 3.50mm Pitch, Single Row, 2 Circuits, with Solder Clips, 0.38µm Gold (Au) Plating, Glow-Wire Capable, Black

Series Number : [172287](#)

Status : Active

Product Category : [PCB Headers and Receptacles](#)



## Documents & Resources

### Drawings

[Drawing 1722871202\\_sd.pdf](#)

[Packaging Design Drawing PK-172287-9001-001.pdf](#)

### 3D Models and Design Files

[3D Model 1722871202\\_stp.zip](#)

[Symbol Footprint Data 1722871102-000.zip](#)

[Symbol Footprint Data SYM-172287-1102-001.zip](#)

### Specifications

[Application Specification 1723230003-000.pdf](#)

[Application Specification AS-172323-0001-001.pdf](#)

[Product Specification 1723230001-TS-000.pdf](#)

[Product Specification 1723231000-PS-CH-000.pdf](#)

[Product Specification 1723231000-PS-ES-000.pdf](#)

[Product Specification 1723231000-PS-JP-000.pdf](#)

[Product Specification 1723231000-PS-SK-000.pdf](#)

[Product Specification PS-172323-0001-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                          |
| China RoHS         |  |
| EU ELV             | Not Relevant                                                                          |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                                                        |
| REACH SVHC         | Not Contained per D(2023)3788-DC (14 Jun 2023)                                        |
| 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         | 172287                                                                                                                                 |
| Description    | Ultra-Fit Vertical Header, 3.50mm Pitch, Single Row, 2 Circuits, with Solder Clips, 0.38µm Gold (Au) Plating, Glow-Wire Capable, Black |
| Application    | Power, Wire-to-Board                                                                                                                   |
| Comments       | See Product Specification for maximum current rating by circuit size and wire AWG                                                      |
| Component Type | PCB Header                                                                                                                             |
| Product Family | Ultra-Fit Power Connectors                                                                                                             |
| Product Name   | Ultra-Fit                                                                                                                              |
| UPC            | 887191736761                                                                                                                           |

#### Agency

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

#### Electrical

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

## Physical

|                                |                        |
|--------------------------------|------------------------|
| Breakaway                      | No                     |
| Circuits (Loaded)              | 2                      |
| Circuits (maximum)             | 2                      |
| Color - Resin                  | Black                  |
| 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                     | 0.980/g                |
| Number of Rows                 | 1                      |
| Orientation                    | Vertical               |
| 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           | 0.381µm                |
| 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           |

Solder Process Data

|                              |      |
|------------------------------|------|
| Max-Duration                 | 90   |
| Lead-Free Process Capability | WAVE |
| Max-Cycle                    | 2    |
| Max-Temp                     | 260  |

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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, 2 Circuits, Black, Glow-Wire Capable | <u>1722563102</u> |