



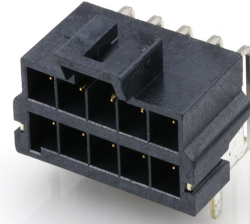
Part Number : [1723163310](#)

Product Description : Ultra-Fit Right-Angle Header with Solder Nail, 3.50mm Pitch, Dual Row, 10 Circuits, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable

Series Number : [172316](#)

Status : Active

Product Category : PCB Headers and Receptacles



Documents & Resources

Drawings

[1723163310_sd.pdf](#)

[1723161114-PK-000.pdf](#)

3D Models and Design Files

[1723163310_stp.zip](#)

[SYM-172316-3110-001.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

Part Details

General

| | |
|----------------|--|
| Status | Active |
| Category | PCB Headers and Receptacles |
| Series | 172316 |
| Description | Ultra-Fit Right-Angle Header with Solder Nail, 3.50mm Pitch, Dual Row, 10 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 | 889056866897 |

Electrical

| | |
|-------------------------------|------------------|
| Current - Maximum per Contact | 11.0A |
| Voltage - Maximum | 600V AC (RMS)/DC |

Physical

| | |
|--------------------|-------|
| Breakaway | No |
| Circuits (Loaded) | 10 |
| Circuits (maximum) | 10 |
| 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 | Matte Tin |
| Material - Resin | Liquid Crystal Polymer |
| Net Weight | 3.894/g |
| Number of Rows | 2 |
| 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 |

Mates With / Use With

Mates with Part(s)

| Description | Part Number |
|--|-------------------|
| Ultra-Fit Tangless Receptacle Housing, 3.50mm Pitch, Dual Row, 10 Circuits, Black, Glow-Wire Capable | <u>1722583110</u> |

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