Part Number : 1723103207

Product Description : Ultra-Fit Right-Angle Header with Solder Nail, 3.50mm Pitch, Single Row,  7 Circuits, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable

Series Number : 172310

Status : Active

Product Category : PCB Headers and Receptacles



## Documents & Resources

### Drawings

1723103207_sd.pdf
PK-172310-9001-001.pdf

### 3D Models and Design Files

1723103207_stp.zip
SYM-172310-3107-001.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 | Not Relevant |
| 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 | 172310 |
| Description | Ultra-Fit Right-Angle Header with Solder Nail, 3.50mm Pitch, Single Row, 7 Circuits, 0.38µm 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 | 889056866231 |

### Electrical

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

### Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 7 |
| Circuits (maximum) | 7 |
| 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 | 2.358/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 | 0.381µm |
| 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 |

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| Ultra-Fit Tangless Receptacle Housing, 3.50mm Pitch, Single Row, 7 Circuits, Black, Glow-Wire Capable | 1722563107 |

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