molex



**Part Number :** 1722861102
**Product Description :** Ultra-Fit Vertical Header, 3.50mm Pitch, Single Row, 2 Circuits, with Kinked Pins, Tin (Sn), Glow-Wire Capable, Black
**Series Number :** 172286
**Status :** Active
**Product Category :** PCB Headers and Receptacles

## Documents & Resources

### Drawings

1722861102_sd.pdf

PK-172286-9001-001.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

1722861102-000.zip

SYM-172286-1202-001.zip

### Specifications

1723230003-000.pdf

AS-172323-0001-001.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 | per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2025)4165-DC (25 June 2025) |
| EU RoHS | Compliant per EU 2015/863 |

Compliance Statements
- EU RoHS
- REACH SVHC
- Low-Halogen

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

Substances of Interest
- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

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## Part Details

### General

| | |
|---|---|
| Status | Active |
| Category | PCB Headers and Receptacles |
| Series | 172286 |
| Description | Ultra-Fit Vertical Header, 3.50mm Pitch, Single Row, 2 Circuits, with Kinked Pins, Tin (Sn), 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 Name | Ultra-Fit |
| UPC | 887191700175 |

## Agency

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

## Electrical

| | |
|---|---|
| Current - Maximum per Contact | 14.0A |
| Voltage - Maximum | 600V AC (RMS)/DC |

## Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 2 |
| Circuits (maximum) | 2 |
| Color - Resin | Black |
| 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 | 0.676/g |
| Number of Rows | 1 |
| Orientation | Vertical |
| Packaging Type | Tray |
| PCB Locator | Yes |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.60mm |
| PC Tail Length | 3.20mm |
| Pitch - Mating Interface | 3.50mm |
| 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 |
| Temperature Range - Operating | -40° to +125°C |
| Termination Interface Style | Through Hole - Kinked Pin |

### Solder Process Data

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

## 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 | 1722563102 |