**Part Number :** 1722988108
**Product Description :** Ultra-Fit Vertical Header, 3.50mm Pitch, Dual Row, 8 Circuits, with Kinked Pins, Tin (Sn) Plating, Black, Glow-Wire Capable, Embossed Tape on Reel
**Series Number :** 172298
**Status :** Active
**Product Category :** PCB Headers and Receptacles




## Documents and Resources

### Drawings

1722988108_sd.pdf

1722981000-PK-000.pdf

### Specifications

1722990000-AS-000.pdf

1723230001-TS-000.pdf

PS-172323-0001-001.pdf

1723230001-TS-001.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Compliant with Exemption 44; 33 |
| China RoHS | per |
| EU ELV | Not Relevant |
| Low-Halogen Status | Low-Halogen per |
| REACH SVHC | Not Contained per D(2024)7663-DC (21 Jan 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 | 172298 |
| Description | Ultra-Fit Vertical Header, 3.50mm Pitch, Dual Row, 8 Circuits, with Kinked Pins, Tin (Sn) Plating, Black, Glow-Wire Capable, Embossed Tape on Reel |
| 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 | 191130126156 |

### Electrical

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

### Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 8 |
| Circuits (maximum) | 8 |

| | |
|---|---|
| Color - Resin | Black |
| Durability (mating cycles max) | 25 |
| 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 | Tin |
| Material - Plating Termination | Tin |
| Material - Resin | Liquid Crystal Polymer |
| Net Weight | 1.954/g |
| Number of Rows | 2 |
| Orientation | Vertical |
| Packaging Type | Embossed Tape on Reel |
| 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 |

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| Ultra-Fit Tangless Receptacle Housing, 3.50mm Pitch, Dual | 1722583108 |

| | |
|---|---|
| Row, 8 Circuits, Black, Glow-Wire Capable | |