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Part Number: [1723101105](#)
Status: **Active**
Overview: Ultra-Fit™ Power Connectors
Description: Ultra-Fit™ Right Angle Header, 3.50mm Pitch, Single Row, 5 Circuits, Tin (Sn) Plating, Black, Glow Wire Compliant

Documents:

| | |
|--|--|
| 3D Model | Application Specification AS-172323-0001 (PDF) |
| Drawing (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification PS-172323-0001 (PDF) | Product Literature (PDF) |

Agency Certification

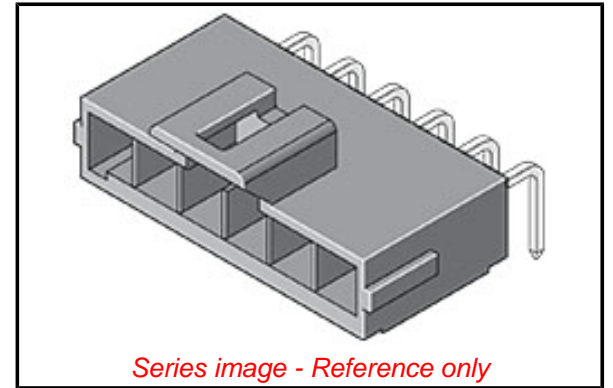
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|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

General

| | |
|-----------------------------|---|
| Product Family | PCB Headers |
| Series | 172310 |
| Application | Power, Wire-to-Board |
| Overview | Ultra-Fit™ Power Connectors |
| Product Literature Order No | 987651-1008 |
| Product Name | Ultra-Fit™ |
| UPC | 887191737980 |

Physical

| | |
|--------------------------------|------------------------|
| Breakaway | No |
| Circuits (Loaded) | 5 |
| Circuits (maximum) | 5 |
| Color - Resin | Black |
| Durability (mating cycles max) | 25 |
| First Mate / Last Break | No |
| Flammability | 94V-0 |
| Glow-Wire Compliant | Yes |
| Guide to Mating Part | No |
| Keying to Mating Part | Yes |
| Lock to Mating Part | Yes |
| Material - Metal | Copper Alloy |
| Material - Plating Mating | Tin over Nickel |
| Material - Plating Termination | Tin over Nickel |
| Material - Resin | Liquid Crystal Polymer |
| Net Weight | 1.495/g |
| Number of Rows | 1 |
| Orientation | Right Angle |
| PC Tail Length | 3.20mm |
| PCB Locator | Yes |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.60mm |
| Packaging Type | Tray |
| 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 |
| Surface Mount Compatible (SMC) | No |
| Temperature Range - Operating | -40°C to +120°C |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Contains SVHC(2014 December 17): No

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

Green Image

Not Relevant

Search Parts in this Series

[172310 Series](#)

Mates With

Ultra-Fit™ Receptacle Housing [172256](#) , [172260](#)

| | |
|--|------------------|
| Termination Interface: Style | Through Hole |
| Electrical | |
| Current - Maximum per Contact | 14.0A |
| Voltage - Maximum | 400V AC (RMS)/DC |
| Solder Process Data | |
| Duration at Max. Process Temperature (seconds) | 090 |
| Lead-free Process Capability | WAVE |
| Max. Cycles at Max. Process Temperature | 002 |
| Process Temperature max. C | 260 |
| Material Info | |
| Reference - Drawing Numbers | |
| Application Specification | AS-172323-0001 |
| Product Specification | PS-172323-0001 |
| Sales Drawing | SD-172310-1000 |

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