

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [1723103102](#)  
**Status:** **Active**  
**Overview:** [Ultra-Fit Power Connectors](#)  
**Description:** Ultra-Fit Right-Angle Header with Solder Nail, 3.50mm Pitch, Single Row, 2 Circuits, Tin (Sn) Plating, Black, Glow-Wire Capable

**Documents:**

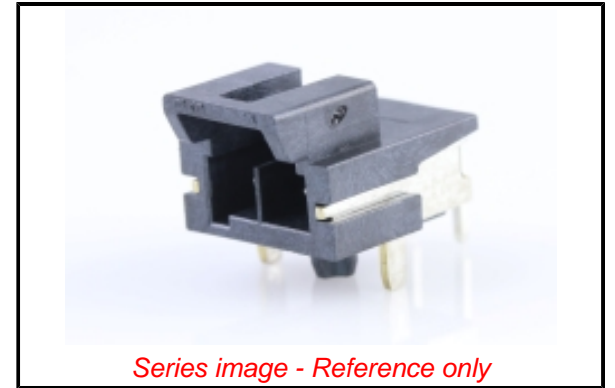
<a href="#">3D Model</a>	<a href="#">Product Specification 1723231000-PS-SK-000 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Product Specification PS-172323-0001-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Packaging Specification PK-172310-9001-001 (PDF)</a>
<a href="#">Product Specification 1723230001-TS-000 (PDF)</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">Product Specification 1723231000-PS-CH-000 (PDF)</a>	<a href="#">Symbol Footprint Data SYM-172310-3102-001 (PDF)</a>
<a href="#">Product Specification 1723231000-PS-ES-000 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification 1723231000-PS-JP-000 (PDF)</a>	

**General**

Product Family	PCB Headers
Series	<a href="#">172310</a>
Application	Power, Wire-to-Board
Comments	See Product Specification for maximum current rating by circuit size and wire AWG
Component Type	PCB Header
Overview	<a href="#">Ultra-Fit Power Connectors</a>
Product Name	Ultra-Fit
Taxonomy	PCB Headers and Receptacles
UPC	889056694506

**Physical**

Breakaway	No
Circuits (Loaded)	2
Circuits (maximum)	2
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	1.066/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



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[172310 Series](#)

**Mates With**

Ultra-Fit Receptacle Housing [1722563102](#)

Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole
<b>Electrical</b>	
Current - Maximum per Contact	14.0A
Voltage - Maximum	600V AC (RMS)/DC
<b>Material Info</b>	
<b>Reference - Drawing Numbers</b>	
Packaging Specification	PK-172310-9001-001
Product Specification	1723230001-TS-000, 1723231000-PS-CH-000, 1723231000-PS-ES-000, 1723231000-PS-JP-000, 1723231000-PS-SK-000, PS-172323-0001-001
Sales Drawing	1723102000-000
Symbol/Footprint Data	SYM-172310-3102-001

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