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Part Number: [1722981206](#)
Status: **Active**
Overview: [Ultra-Fit™ Power Connectors](#)
Description: Ultra-Fit™ Vertical Header, 3.50mm Pitch, Dual Row, 6 Circuits, with Kinked Pins, 0.38μm Gold (Au) Plating, Black, Glow Wire Capable

Documents:

3D Model	Packaging Specification PK-172298-9001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-172323-0001 (PDF)	Product Literature (PDF)
Application Specification AS-172323-0001 (PDF)	

Agency Certification

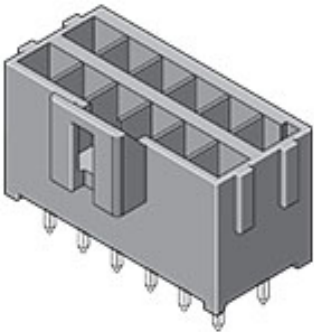
CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	172298
Application	Power, Wire-to-Board
Comments	See Product Specification for maximum current rating by circuit size and wire AWG
Overview	Ultra-Fit™ Power Connectors
Product Literature Order No	987651-1008
Product Name	Ultra-Fit™
UPC	887191737195

Physical

Breakaway	No
Circuits (Loaded)	6
Circuits (maximum)	6
Color - Resin	Black
Durability (mating cycles max)	200
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	Gold over Nickel
Material - Plating Termination	Tin over Nickel
Material - Resin	Liquid Crystal Polymer
Net Weight	1.554/g
Number of Rows	2
Orientation	Vertical
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	0.381μm
Plating min - Termination	1.524μm
Polarized to Mating Part	Yes
Polarized to PCB	Yes



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
ED/21/2016 (20 June
2016)

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

[172298](#) Series

Mates With

Ultra-Fit™ Receptacle Housing [172258](#) ,
[172262](#)

Shrouded	Fully
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +120°C
Termination Interface: Style	Through Hole - Kinked Pin

Electrical

Current - Maximum per Contact	11.0A
Voltage - Maximum	400V AC (RMS)/DC

Solder Process Data

Duration at Max. Process Temperature (seconds)	090
Lead-freeProcess Capability	WAVE
Max. Cycles at Max. Process Temperature	002
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Application Specification	AS-172323-0001
Packaging Specification	PK-172298-9001
Product Specification	PS-172323-0001
Sales Drawing	SD-172298-1000

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