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Part Number: [1722981112](#)
Status: **Active**
Overview: [Ultra-Fit Power Connectors](#)
Description: Ultra-Fit Vertical Header, 3.50mm Pitch, Dual Row, 12 Circuits, with Kinked Pins, Tin (Sn) Plating, Black, Glow-Wire Capable

Documents:

3D Model	Application Specification AS-172323-0001 (PDF)
Drawing (PDF)	Packaging Specification PK-172298-9001 (PDF)
Product Specification 1723230001-TS-000 (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-172323-0001-001 (PDF)	Product Literature (PDF)

Agency Certification

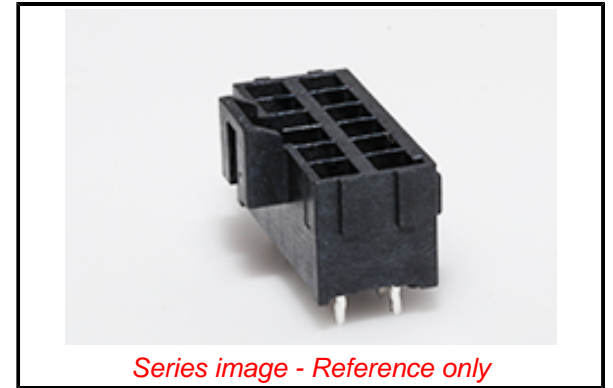
CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	172298
3D Viewer	Yes
Application	Power, Wire-to-Board
CURRENT-MAX-NUMERIC	12.0
Comments	See Product Specification for maximum current rating by circuit size and wire AWG, See Product Specification for maximum current rating by circuit size and wire AWG
Overview	Ultra-Fit Power Connectors
PITCH-MATING-NUMERIC	3.50
Product Literature Order No	987651-1008
Product Name	Ultra-Fit
UPC	887191737157

Physical

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
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 over Nickel
Material - Plating Termination	Tin over Nickel
Material - Resin	Liquid Crystal Polymer
Net Weight	2.786/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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - ED/71/2019 (16 July 2019)

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

[172298](#) Series

Mates With

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

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)	Yes
Temperature Range - Operating	-40° to +120°C
Termination Interface: Style	Through Hole - Kinked Pin

Electrical

Current - Maximum per Contact	12.0A
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
Packaging Specification	PK-172298-9001
Product Specification	1723230001-TS-000, PS-172323-0001-001
Sales Drawing	SD-172298-1000-000
Symbol/Footprint Data	SYM-172298-1212

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