



Part Number : 1723103307

Product Description : Ultra-Fit Right-Angle Header with Solder Nail, 3.50mm Pitch, Single Row, 7 Circuits, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable

Series Number : 172310

Status : Active

Product Category : PCB Headers and Receptacles

Documents & Resources

Drawings

- Drawing 1723103307_sd.pdf
- Packaging Design Drawing PK-172310-9001-001.pdf

3D Models and Design Files

- 3D Model 1723103307_stp.zip
- Symbol Footprint Data SYM-172310-3107-001.zip

Specifications

- Application Specification 1723230003-000.pdf
- Product Specification 1723230001-TS-000.pdf
- Product Specification 1723231000-PS-CH-000.pdf
- Product Specification 1723231000-PS-ES-000.pdf
- Product Specification 1723231000-PS-JP-000.pdf
- Product Specification 1723231000-PS-SK-000.pdf
- Product Specification PS-172323-0001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 2024)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements

- Eu RoHS

- REACH SVHC

- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C

- IPC 1752A Class D

- Molex Product Compliance Declaration

- IEC-62474

- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	172310
Description	Ultra-Fit Right-Angle Header with Solder Nail, 3.50mm Pitch, Single Row, 7 Circuits, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable
Application	Power, Wire-to-Board
Comments	See Product Specification for maximum current rating by circuit size and wire AWG
Component Type	PCB Header
Product Family	Ultra-Fit Power Connectors
Product Name	Ultra-Fit
UPC	889056866309

Electrical

Current - Maximum per Contact	12.0A
Voltage - Maximum	600V AC (RMS)/DC

Physical

Breakaway	No
Circuits (Loaded)	7
Circuits (maximum)	7
Color - Resin	Black

Durability (mating cycles max)	200
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	Gold
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	2.358/g
Number of Rows	1
Orientation	Right Angle
Packaging Type	Tray
PC Tail Length	3.20mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	3.50mm
Pitch - Termination Interface	3.50mm
Plating min - Mating	0.762µm
Plating min - Termination	1.524µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Temperature Range - Operating	-40° to +120°C
Termination Interface Style	Through Hole

Mates With / Use With

Mates with Part(s)

Description	Part Number
Ultra-Fit Tangless Receptacle Housing, 3.50mm Pitch, Single Row, 7 Circuits, Black, Glow-Wire Capable	<u>1722563107</u>

This document was generated on May 28, 2024