molex



Part Number : 1723163106
Product Description : Ultra-Fit Right-Angle Header with Solder Nail, 3.50mm Pitch, Dual Row, 6 Circuits, Matte Tin (Sn) Plating, Black, Glow-Wire Capable
Series Number : 172316
Status : Active
Product Category : PCB Headers and Receptacles

Documents & Resources

Drawings

1723163106_sd.pdf

1723161114-PK-000.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

SYM-172316-3106-001.zip

Specifications

1723230003-000.pdf

1723230001-TS-000.pdf

1723231000-PS-CH-000.pdf

1723231000-PS-ES-000.pdf

1723231000-PS-JP-000.pdf

1723231000-PS-SK-000.pdf

PS-172323-0001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
China RoHS	per SJ/T 11365-2006

EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	172316
Description	Ultra-Fit Right-Angle Header with Solder Nail, 3.50mm Pitch, Dual Row, 6 Circuits, Matte Tin (Sn) 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 Name	Ultra-Fit
UPC	889056694728

Electrical

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

Physical

Breakaway	No
Circuits (Loaded)	6
Circuits (maximum)	6
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	Matte Tin
Material - Plating Termination	Matte Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	2.604/g
Number of Rows	2
Orientation	Right Angle
Packaging Type	Tray
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
PC Tail Length	3.20mm
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
Temperature Range - Operating	-40° to +125°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, Dual Row, 6 Circuits, Black, Glow-Wire Capable	1722583106