molex



Part Number : 1726470103
Product Description : Mini-Fit Jr. Header, Single Row, Vertical, 3 Circuits, Nylon, 94V-2, Matte Tin (Sn) Plating, Glow-Wire Capable, Black
Series Number : 172647
Status : Active
Product Category : PCB Headers and Receptacles

Documents and Resources

Drawings

1726470103_sd.pdf

PK-5566-002-000.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

55560002-AS-000.pdf

PS-5556-001-001.pdf

55560001-TS-000.pdf

TS-5556-002-001.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	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Contains 1,1'-(Ethane-1,2-diyl)bis[pentabromobenzene] per

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	D(2025)7771-DC (04 Feb 2026) SCIP:407c1d08-267c-4358-8924-dbefd5cea087
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	172647
Description	Mini-Fit Jr. Header, Single Row, Vertical, 3 Circuits, Nylon, 94V-2, Matte Tin (Sn) Plating, Glow-Wire Capable, Black
Application	Wire-to-Board
Component Type	PCB Header
Product Name	Mini-Fit Jr.
UPC	887191728964

Agency

CSA	LR19980
UL	E29179

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Electrical

Current - Maximum per Contact	9.0A
Voltage - Maximum	600V AC (RMS)/DC

Physical

Breakaway	No
Circuits (Loaded)	3
Circuits (maximum)	3
Color - Resin	Black
Durability (mating cycles max)	30
First Mate / Last Break	No
Gender	Male
Glow-Wire Capable	Yes
Guide to Mating Part	No
Keying to Mating Part	No
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	0.876/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Tray
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.78mm
PC Tail Length	3.50mm
Pitch - Mating Interface	4.20mm
Pitch - Termination Interface	4.20mm
Plating min - Mating	2.540µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Shrouded

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Stackable	No
Temperature Range - Operating	-40° to +80°C
Termination Interface Style	Through Hole

Solder Process Data

Max-Duration	5
Lead-Free Process Capability	WAVE
Max-Cycle	1
Max-Temp	220

Mates With / Use With

Mates with Part(s)

Description	Part Number
Mini-Fit Sigma Receptacle Housing, 4.20mm Pitch, Single Row, Glow-Wire Capable, 3 Circuits	2004531003
Mini-Fit Jr. Receptacle Housing, Single Row, Nylon, UL 94V-2, 3 Circuits, Positive Latch, First Mate/Last Break, Glow-Wire Capable, Black	50291662
Mini-Fit Jr. Single Row Receptacle Housings	46994

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