Part Number : 455860005
Product Description : Mini-Fit Jr. Header, Dual Row, Right-Angle, Third Generation Polarization Type for PCIe Applications, 8 Circuits, Nylon UL 94V-0, 0.76µm Select Gold (Au) Plating, Black, Tray
Series Number : 45586
Status : Active
Product Category : PCB Headers and Receptacles
Packaging Alternative : 455860006 (Embossed Tape on Reel)



Documents and Resources

Drawings

455860005_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

PS-45558-001-001.pdf

TS-5556-002-001.pdf

TS-5569-001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
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)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

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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	45586
Description	Mini-Fit Jr. Header, Dual Row, Right-Angle, Third Generation Polarization Type for PCIe Applications, 8 Circuits, Nylon UL 94V-0, 0.76µm Select Gold (Au) Plating, Black, Tray
Application	Wire-to-Board
Component Type	PCB Header
Product Name	Mini-Fit Jr.
UPC	191128446396

Agency

CSA	LR19980
UL	E29179

Electrical

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

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Physical

Breakaway	No
Circuits (Loaded)	8
Circuits (maximum)	8
Color - Resin	Black
Durability (mating cycles max)	30
First Mate / Last Break	No
Gender	Male
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	No
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Nylon
Mounting Style	Through Hole
Net Weight	2.914/g
Number of Rows	2
Orientation	Right Angle
Packaging Type	Tray
PCB Locator	No
PCB Retention	Yes
PCB Thickness - Recommended	1.78mm max.
PC Tail Length	3.50mm
Pitch - Mating Interface	4.20mm
Pitch - Termination Interface	4.20mm
Plating min - Mating	0.760µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Shrouded
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

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Solder Process Data

Max-Duration	5
Lead-Free Process Capability	WAVE
Max-Cycle	1
Max-Temp	240

Mates With / Use With

Mates with Part(s)

Description	Part Number
Mini-Fit Jr. Receptacle Housing, Third Generation Polarization Type for PCIe Applications, Dual Row, UL 94V-0, 8 Circuits, Black	455870004

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