



**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)



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## Documents and Resources

### Drawings

[455860005\\_sd.pdf](#)

[PK-5569-003-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

### Specifications

[PS-45558-001-001.pdf](#)

[PS-5556-001-001.pdf](#)


[TS-5556-002-001.pdf](#)

[TS-5569-001-001.pdf](#)

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## 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)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	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	Power, 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

## Physical

Breakaway	No
Circuits (Loaded)	8
Circuits (maximum)	8
Color - Resin	Black
Durability (mating cycles max)	30
First Mate / Last Break	No
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Matte Tin
Material - Resin	Nylon
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	Fully
Stackable	No

Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

### Solder Process Data

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

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### 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	<u>455870004</u>

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