



**Part Number :** [2451360410](#)  
**Product Description :** Mini-Fit Jr. Header, Dual Row, Right-Angle, Third Generation Polarization Type for PCIe Applications, 8 Circuits, UL 94V-0, 0.76µm Select Gold (Au) Plating, Black, Tray  
**Series Number :** 45586  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles  
**Packaging Alternative :** 0455860006 (Embossed Tape on Reel)



Documents & Resources

- Drawings**  
[Drawing 455860005\\_sd.pdf](#)  
[Packaging Design Drawing PK-5569-003-001.pdf](#)
- 3D Models and Design Files**  
[3D Model 455860005\\_stp.zip](#)

- Specifications**  
[Product Specification PS-45558-001-001.pdf](#)  
[Product Specification PS-5556-001-001.pdf](#)  
[Test Summary TS-5556-002-001.pdf](#)  
[Test Summary TS-5569-001-001.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)3788-DC (14 Jun 2023)
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

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## 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, UL 94V-0, 0.76µm Select Gold (Au) Plating, Black, Tray
Application	Power, Wire-to-Board
Component Type	PCB Header
Product Family	Mini-Fit Family Power Connectors
Product Name	Mini-Fit Jr.
UPC	191128446396

### Agency

UL	E29179
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### 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
Flammability	94V-0
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	Tin
Material - Resin	Nylon
Net Weight	2.914/g
Number of Rows	2
Orientation	Right Angle
Packaging Type	Tray
PC Tail Length	3.50mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness - Recommended	1.78mm max.
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>0455870004</u>

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