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Part Number: **0455860005**

Status: **Active**

Overview: Mini-Fit Family Power Connectors

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

Documents:

3D Model	Packaging Specification PK-5569-003-001 (PDF)
3D Model (PDF)	Test Summary TS-5556-002-001 (PDF)
Drawing (PDF)	Test Summary TS-5569-001-001 (PDF)
Product Specification PS-45558-001-001 (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-5556-001-001 (PDF)	

Agency Certification

UL E29179

General

Product Family	PCB Headers
Series	45586
Application	Power, Wire-to-Board
Overview	Mini-Fit Family Power Connectors
Packaging Alternative	455860006 (Tape and Reel)
Product Name	Mini-Fit Jr.
UPC	191128446396

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
PC Tail Length	3.50mm
PCB Locator	No
PCB Retention	Yes
PCB Thickness - Recommended	1.78mm max.
Packaging Type	Tray
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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2021)4569-DC (8
July 2021)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

45586 Series

Mates With

Mini-Fit Jr. Receptacle Housing [455870004](#)

Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	9.0A
Voltage - Maximum	600V AC (RMS)/DC

Solder Process Data

Duration at Max. Process Temperature (seconds)	005
Lead-free Process Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	240

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-5569-003-001
Product Specification	PS-45558-001-001, PS-5556-001-001
Sales Drawing	455860000-SD-000
Test Summary	TS-5556-002-001, TS-5569-001-001

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