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Part Number: [0015286102](#)

Status: **Active**

Overview: [Mini-Fit Family Power Connectors](#)

Description: Mini-Fit BMI Header, 4.20mm Pitch, Dual Row, Vertical, with Snap-in Plastic Peg PCB Lock, 10 Circuits, PA Polyamide Nylon 6/6, UL 94V-0, Select Gold (Au) Plating, without Drain Holes

Documents:

[3D Model \(PDF\)](#)

[Drawing \(PDF\)](#)

[3D Model](#)

[Product Specification 55560002-PS-CH-000 \(PDF\)](#)

[Product Specification 55560002-PS-ES-000 \(PDF\)](#)

[Product Specification 55560002-PS-SK-000 \(PDF\)](#)

[Product Specification PS-5556-002-001 \(PDF\)](#)

[Packaging Specification PK-42440-001-001 \(PDF\)](#)

[Test Summary TS-5556-002-001 \(PDF\)](#)

[Symbol Footprint Data SYM-A42440-10XX-001 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980

UL E29179

General

Product Family PCB Headers

Series [42440](#)

Application Board-to-Board, Power, Wire-to-Board

Comments Current = 13A max. per circuit when header is mated to a receptacle loaded with 45750 Mini-Fit Plus HCS Crimp Terminal Crimped to 16 AWG wire. See Molex product specification PS-45750-001 for additional current derating information.

Component Type PCB Header

Overview [Mini-Fit Family Power Connectors](#)

Product Name Mini-Fit BMI

Taxonomy PCB Headers and Receptacles

UPC 800754240956

Physical

Breakaway No

Circuits (Loaded) 10

Circuits (maximum) 10

Color - Resin Natural (White)

Durability (mating cycles max) 30

Flammability 94V-0

Glow-Wire Capable No

Guide to Mating Part Yes

Lock to Mating Part Yes

Material - Metal Brass

Material - Plating Mating Gold

Material - Plating Termination Tin

Material - Resin Nylon

Net Weight 2.520/g

Number of Rows 2

Orientation Vertical

PC Tail Length 3.56mm

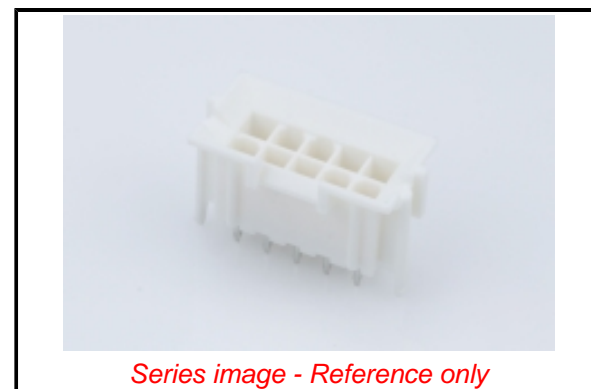
PCB Locator Yes

PCB Retention Yes

PCB Thickness - Recommended 1.80mm

Packaging Type Tray

Pitch - Mating Interface 4.20mm



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

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

[42440 Series](#)

Mates With

[15060101](#) Mini-Fit BMI Panel Mount

Receptacle, [39012105](#) Mini-Fit Jr.

Receptacle, [15247103](#) Mini-Fit BMI Vertical
Receptacle Header

Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Partial
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	13.0A
Voltage - Maximum	600V

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

Engineering Number	A-42440-1022
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Reference - Drawing Numbers

Packaging Specification	PK-42440-001-001
Product Specification	55560002-PS-CH-000, 55560002-PS-ES-000, 55560002-PS-SK-000, PS-5556-002-001
Sales Drawing	SDA-42440-XXXX-001
Symbol/Footprint Data	SYM-A42440-10XX-001
Test Summary	TS-5556-002-001

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