

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0015246042](#)

**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, 4 Circuits, PA Polyamide Nylon 6/6, UL 94V-0, Tin (Sn) 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-A42440-04XX-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 de-rating information.

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

Product Name Mini-Fit BMI

UPC 800753535008

**Physical**

Breakaway No

Circuits (Loaded) 4

Circuits (maximum) 4

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 Tin

Material - Plating Termination Tin

Material - Resin Nylon

Net Weight 1.321/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

Plating min - Mating 2.540µm

Plating min - Termination 2.540µm



*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**

[42440](#) Series

**Mates With**

[15060041](#) Mini-Fit BMI Panel Mount

Receptacle, [39013048](#) Mini-Fit Jr.

Receptacle, [15247041](#) Mini-Fit BMI Vertical

Receptacle Header, [245135](#) Mini-Fit Jr.

Cable Assembly

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-42440-0421
--------------------	--------------

**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-A42440-04XX-001
Test Summary	TS-5556-002-001

This document was generated on 12/14/2021

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex:](#)

[15-24-6042](#)