

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

**Part Number:** [0015286042](#)

**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, Select Gold (Au) Plating, without Drain Holes

**Documents:**

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

[3D Model](#)

[Drawing \(PDF\)](#)

[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 800754211574

**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

Lock to Mating Part Yes

Material - Metal Brass

Material - Plating Mating Gold

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 0.762µm

Plating min - Termination 2.540µm

Polarized to Mating Part Yes



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, [15247043](#) Mini-Fit BMI Vertical  
Receptacle Header

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-42440-0422
--------------------	--------------

**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**

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Headers & Wire Housings](#) category:*

*Click to view products by [Molex](#) manufacturer:*

Other Similar products are found below :

[892-18-020-10-001101](#) [58102-G61-06LF](#) [582553-1](#) [0009485154](#) [009176003701906](#) [0050291907](#) [LY20-4P-DT1-P1E-BR](#) [02.125.8002.8](#)  
[609-3404](#) [61062-3](#) [622-0430](#) [622-3653LF](#) [63453-116](#) [636-1030](#) [636-1427](#) [636-3427](#) [636-4007](#) [641938-9](#) [641991-4](#) [644827-2](#) [65817-010LF](#)  
[65817-015LF](#) [65863-015LF](#) [66207-023LF](#) [67095-007LF](#) [67601157](#) [68648-049](#) [70.362.1628.0](#) [70-4210](#) [70-4226B](#) [70-4853B](#) [707-5020](#) [707-5028](#) [71.350.2428.0](#) [71918-208LF](#) [71961-016LF](#) [733-134](#) [733-162](#) [754199-000](#) [760-3052](#) [787-8014-00](#) [79531-3000](#) [FCN-360C032-B](#) [FCN-367T-T012/H](#) [FCN-723D010/2](#) [80.063.4001.1](#) [800-90-001-10-001000](#) [800-90-010-10-002000](#) [801-43-002-10-013000](#) [801-43-006-10-002000](#)