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Part Number: [0015246060](#)

Status: **Active**

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

Description: Mini-Fit BMI Header, Dual Row, Right-Angle, with Snap-in Plastic Peg PCB Lock, 6 Circuits, PA Polyamide Nylon 6/6, UL 94V-2, with Tin (Sn) Plating

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-45750-001-001 \(PDF\)](#)

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

[Application Specification 424040001-AS-000 \(PDF\)](#)

[Packaging Specification PK-42404-002-001 \(PDF\)](#)

[Test Summary TS-42404-001-001 \(PDF\)](#)

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

[Symbol Footprint Data SYM-A42404-06XX-001 \(PDF\)](#)

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

Agency Certification

CSA LR19980

UL E29179

General

Product Family PCB Headers

Series [42404](#)

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 800753689077

Physical

Breakaway No

Circuits (Loaded) 6

Circuits (maximum) 6

Color - Resin Natural

Durability (mating cycles max) 30

Flammability 94V-2

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 2.976/g

Number of Rows 2

Orientation Right Angle

PC Tail Length 3.30mm

PCB Locator Yes

PCB Retention Yes

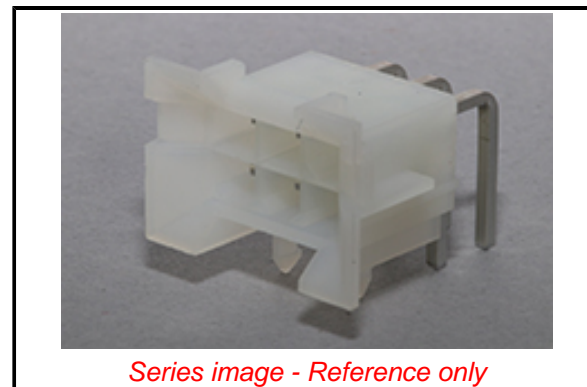
PCB Thickness - Recommended 1.80mm

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

[42404](#) Series

Mates With

[15060060](#) Mini-Fit BMI Panel Mount

Receptacle, [39012060](#) Mini-Fit Jr.

Receptacle Header, [444750611](#) 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-42404-06A1 |
|--------------------|--------------|

Reference - Drawing Numbers

| | |
|---------------------------|---|
| Application Specification | 424040001-AS-000 |
| Packaging Specification | PK-42404-002-001 |
| Product Specification | 55560002-PS-CH-000, 55560002-PS-ES-000, 55560002-PS-SK-000, PS-45750-001-001, PS-5556-002-001 |
| Sales Drawing | SDA-42404-XXXX-001 |
| Symbol/Footprint Data | SYM-A42404-06XX-001 |
| Test Summary | TS-42404-001-001, TS-5556-002-001 |

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