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Part Number:

0015246140

Status:

Active

Overview:

Mini-Fit® BMI Connectors

Description:

Mini-Fit® BMI Header, Dual Row, Right Angle, with Snap-in Plastic Peg PCB Lock, 14 Circuits, PA Polyamide Nylon 6/6, UL 94V-2, with Tin (Sn) Plating

Documents:

- 3D Model

Product Specification TS-42404-001-001 (PDF)
- Drawing (PDF)

Product Specification TS-5556-002-001 (PDF)
- Product Specification PS-45750-001-001 (PDF)

RoHS Certificate of Compliance (PDF)
- Product Specification PS-5556-002-001 (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.

MolexKits

Yes

Overview

Mini-Fit® BMI Connectors

Product Name

Mini-Fit® BMI

UPC

800753535022

Physical

Breakaway

No

Circuits (Loaded)

14

Circuits (maximum)

14

Color - Resin

Natural

Durability (mating cycles max)

30

Flammability

94V-2

Glow-Wire Compliant

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

5.524/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

Polarized to Mating Part

Yes

Polarized to PCB

Yes



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per
-ED/01/2017 (12
January 2017)

Halogen-Free
Status

Low-Halogen

Need more information on product
environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any
non-product compliance questions.

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series

42404 Series

Mates With

15-06-0140 Mini-Fit® BMI Panel Mount
Receptacle, 39-01-2140 Mini-Fit Jr.™
Receptacle, 15-24-7140 Mini-Fit® BMI
Vertical Receptacle Header, 44475-1411
Mini-Fit® BMI Vertical Receptacle Header

Shrouded	Partial
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C 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-freeProcess Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	240

Material Info

Engineering Number	A-42404-14A1
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Reference - Drawing Numbers

Product Specification	PS-45750-001-001, PS-5556-002-001, TS-42404-001-001, TS-5556-002-001
Sales Drawing	SDA-42404-****

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