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Part Number:

0015246040

Status:

Active

Overview:

Mini-Fit BMI Connectors

Description:

Mini-Fit® BMI Header, Dual Row, Right Angle, with Snap-in Plastic Peg PCB Lock, 4 Circuits, PA Polyamide Nylon 6/6, UL 94V-2, with Tin (Sn) Plating

Documents:

3D Model

Drawing (PDF)

Product Specification PS-45750-001-001 (PDF)

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

Packaging Specification PK-42404-002-001 (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.
MolexKits	Yes
Overview	Mini-Fit BMI Connectors
Product Name	Mini-Fit® BMI
UPC	800753640542
Physical	
Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
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	1.877/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
Shrouded	Partial



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

China RoHS

Compliant

REACH SVHC

Not Contained Per -

ED/30/2017 (7 July

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

15-06-0040 Mini-Fit® BMI Panel Mount

Receptacle, 15-24-7040 Mini-Fit® BMI

Vertical Receptacle Header, 39-01-3042

Mini-Fit Jr.™ Receptacle, 44475-0411

Mini-Fit® BMI Vertical Receptacle Header,

245135 Mini-Fit Jr.™ Cable Assembly

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-42404-04A1
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Reference - Drawing Numbers

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

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