



Part Number : [15246040](#)
Product 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
Series Number : 42404
Status : Active
Product Category : PCB Headers and
Receptacles
Engineering Number : A-42404-04A1



Documents & Resources

Drawings

[015246040_sd.pdf](#)
[PK-42404-002-001.pdf](#)

3D Models and Design Files


[015246040_stp.zip](#)
[SYM-A42404-04XX-001.zip](#)

Specifications

[424040001-AS-000.pdf](#)
[PS-45750-001-001.pdf](#)
[TS-42404-001-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)6225-DC (07 Nov 2024)
EU RoHS	Compliant per EU 2015/863

[Multiple Part Product Compliance Statements](#)

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	42404
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
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.
Component Type	PCB Header
Product Name	Mini-Fit BMI
UPC	800753640542

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	13.0A
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Voltage - Maximum	600V
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Physical

Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
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	1.877/g
Number of Rows	2
Orientation	Right Angle
Packaging Type	Tray
PC Tail Length	3.30mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.80mm
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
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

Solder Process Data

Max-Duration	5
Lead-Free Process Capability	WAVE
Max-Cycle	1
Max-Temp	240

Mates With / Use With

Mates with Part(s)

Description	Part Number
Mini-Fit BMI Receptacle Housing, 4.20mm Pitch, Dual Row with Panel Mount Ears, PA Polyamide Nylon 6/6, UL 94V-2, 4 Circuits	<u>15060040</u>
Mini-Fit BMI Receptacle Header, 4.20mm Pitch, Dual Row, Vertical, with Snap-In Plastic Pegs, 2.54µm Tin (Sn), UL 94V-2, 4 Circuits	<u>15247040</u>
Mini-Fit Jr. Receptacle Housing, Dual Row, 4 Circuits, UL 94V-2, Natural	<u>39013042</u>
Mini-Fit HCS Receptacle Header, 4.20mm Pitch, Dual Row, Vertical, Blind Mating, with Snap-in Plastic Pegs, 4 Circuits	<u>444750411</u>
Mini-Fit Jr.-to-Mini-Fit Jr. Off-the-Shelf (OTS) Overmolded Cable Assemblies	<u>245135</u>