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Part Number: [0015249104](#)
Status: **Active**
Overview: Mini-Fit Family Power Connectors
Description: Mini-Fit BMI Header, Dual Row, Right-Angle, with Snap-in Plastic Peg PCB Lock, 10 Circuits, PA Polyamide Nylon 6/6, UL 94V-0, with Tin (Sn) Plating

Documents:

3D Model	Product Specification PS-5556-002-001 (PDF)
Drawing (PDF)	Application Specification 424040001-AS-000 (PDF)
3D Model (PDF)	Packaging Specification PK-42404-002-001 (PDF)
Product Specification 55560002-PS-CH-000 (PDF)	Test Summary TS-42404-001-001 (PDF)
Product Specification 55560002-PS-ES-000 (PDF)	Test Summary TS-5556-002-001 (PDF)
Product Specification 55560002-PS-SK-000 (PDF)	Symbol Footprint Data SYM-A42404-10XX-001 (PDF)
Product Specification PS-45750-001-001 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

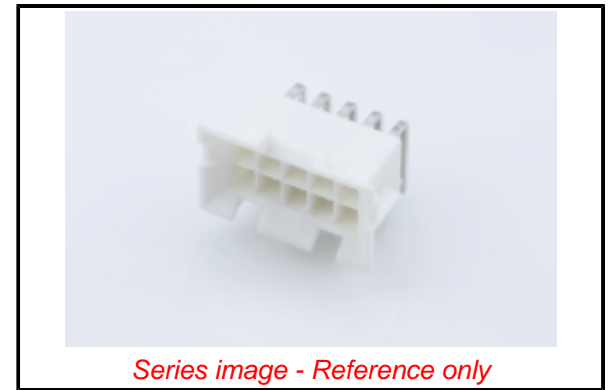
CSA	LR19980
UL	E29179

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
Taxonomy	PCB Headers and Receptacles
UPC	800754210034

Physical

Breakaway	No
Circuits (Loaded)	10
Circuits (maximum)	10
Color - Resin	Natural (White)
Durability (mating cycles max)	30
Flammability	94V-0
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	4.082/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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

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

[15060101](#) Mini-Fit BMI Panel Mount Receptacle, [39012105](#) Mini-Fit Jr. Receptacle, [15247101](#) Mini-Fit BMI Vertical Receptacle Header, [444751021](#) Mini-Fit BMI Vertical Receptacle Header, [245135](#) Mini-Fit Jr. Cable Assembly

Plating min - Termination	2.540µm
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-42404-10B1
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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-A42404-10XX-001
Test Summary	TS-42404-001-001, TS-5556-002-001

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