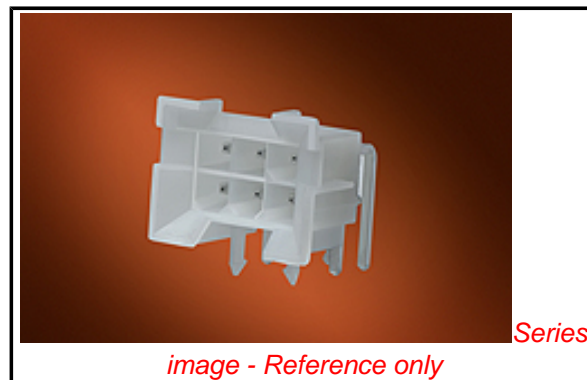


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [15-24-6180](#)
Status: **Active**
Overview: [Mini-Fit® Blind Mate Interface \(BMI\) Connectors](#)
Description: 4.20mm Pitch Mini-Fit® BMI Header, Dual Row, Right Angle, with Snap-in Plastic Peg PCB Lock, 18 Circuits, PA Polyamide Nylon 6/6, UL 94V-2, with Tin (Sn) Plating

Documents:

3D Model	Test Summary TS-42404-001 (PDF)
Drawing (PDF)	Test Summary TS-5556-002 (PDF)
Product Specification PS-45750-001 (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-5556-002 (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® Blind Mate Interface (BMI) Connectors
Product Name	Mini-Fit® BMI
UPC	800753689084

Physical

Breakaway	No
Circuits (Loaded)	18
Circuits (maximum)	18
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	6.968/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

EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Low-Halogen Status

Low-Halogen

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

[42404Series](#)

Mates With

[15-06-0180](#) Mini-Fit® BMI Panel Mount Receptacle, [39-01-2180](#) Mini-Fit Jr.™ Receptacle, [15-24-7180](#) Mini-Fit® BMI Vertical Receptacle Header, [44475-1811](#) Mini-Fit® BMI SMC Vertical Receptacle Header

Polarized to PCB	Yes
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	13A
Voltage - Maximum	600V

Solder Process Data

Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	240

Material Info

Old Part Number	A-42404-18A1
-----------------	--------------

Reference - Drawing Numbers

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

This document was generated on 06/26/2013

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION