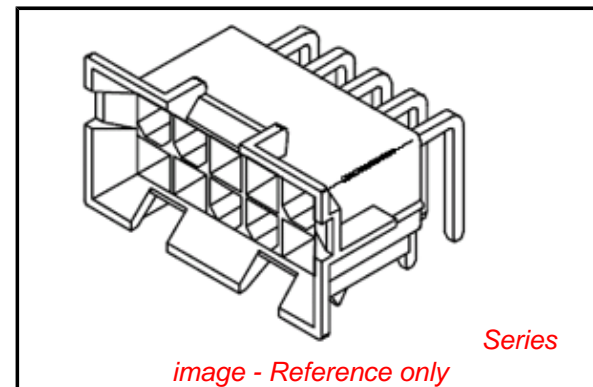


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Part Number: [43644-0005](#)
Status: **Active**
Overview: Mini-Fit® Blind Mate Interface (BMI) Connectors
Description: 4.20mm Pitch Mini-Fit Jr.® BMI Header, Dual Row, Right Angle, 10 Circuits, PA Polyamide Nylon 6/6 94V-0, with Tin (Sn) Plating

Documents:

3D Model	Test Summary TS-42404-001 (PDF)
Drawing (PDF)	Test Summary TS-5556-002 (PDF)
Product Specification PS-5556-002 (PDF)	RoHS Certificate of Compliance (PDF)



General

Product Family	PCB Headers
Series	43644
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-5556002 for additional current de-rating information.
Overview	Mini-Fit® Blind Mate Interface (BMI) Connectors
Product Name	Mini-Fit® BMI

Physical

Breakaway	No
Circuits (Loaded)	10
Circuits (maximum)	10
Color - Resin	Natural (White)
Durability (mating cycles max)	30
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	None
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	2
Orientation	Right Angle
PC Tail Length	3.30mm
PCB Locator	Yes
PCB Retention	None
PCB Thickness - Recommended	2.40mm
Packaging Type	Tray
Pitch - Mating Interface	4.20mm
Pitch - Termination Interface	4.20mm
Plating min - Mating	2.540µm
Plating min - Termination	2.540µm
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

EU RoHS

ELV and RoHS Compliant
REACH SVHC Contains SVHC: No
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

43644Series

Mates With

44516 Slide-and-Lock Receptacle, 42474 Receptacle Housing, 44475 Mini-Fit® HCS™ Receptacle Header, 5557d Receptacle Housing, 42385 Receptacle Header

Electrical

Current - Maximum per Contact

13A

Voltage - Maximum

600V

Material Info**Reference - Drawing Numbers**

Product Specification

PS-5556-002

Sales Drawing

SD-43644-002

Test Summary

TS-42404-001, TS-5556-002

This document was generated on 04/16/2012

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