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Part Number: [43644-0015](#)

Status: **Active**

Overview: [Mini-Fit® Blind Mate Interface \(BMI\) Connectors](#)

Description: 4.20mm Pitch Mini-Fit Jr.® BMI Header, Dual Row, Right Angle, 6 Circuits, PA Polyamide Nylon 6/6 94V-0, with Gold (Au) Plating

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[Product Specification PS-5556-002 \(PDF\)](#)

[Test Summary TS-42404-001 \(PDF\)](#)

[Test Summary TS-5556-002 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family
Series
Application
Comments

PCB Headers
[43644](#)
Board-to-Board, Power, Wire-to-Board
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

Product Name

[Mini-Fit® Blind Mate Interface \(BMI\) Connectors](#)
Mini-Fit® BMI

Physical

Breakaway	No
Circuits (Loaded)	6
Circuits (maximum)	6
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	Gold
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	0.762µm
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

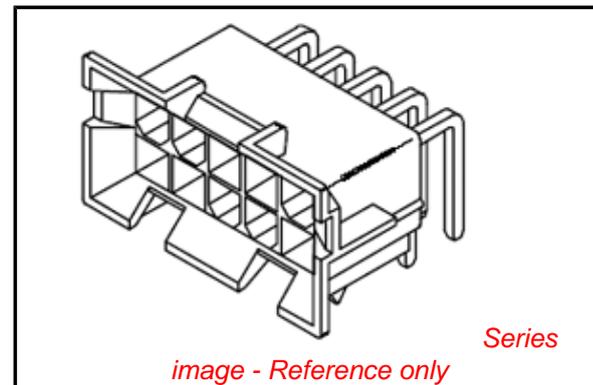


image - Reference only

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
Voltage - Maximum

13A
600V

Material Info**Reference - Drawing Numbers**

Product Specification
Sales Drawing
Test Summary

PS-5556-002
SD-43644-002
TS-42404-001, TS-5556-002

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