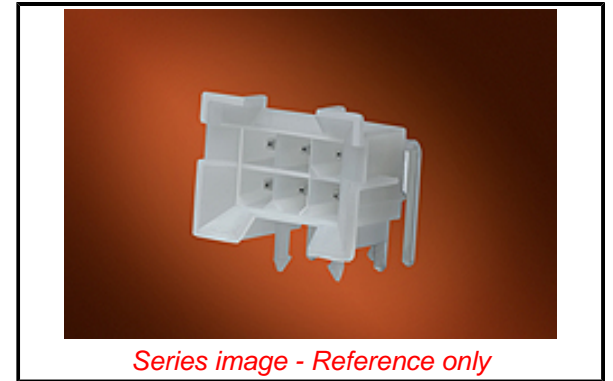


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**Part Number:** [0441513001](#)  
**Status:** **Active**  
**Overview:** Mini-Fit BMI Connectors  
**Description:** Mini-Fit Jr. BMI Header, 4.20mm Pitch, Dual Row, Right Angle, 6 Circuits, PA Polyamide Nylon 6/6, UL 94V-0, Select Gold (Au) Plating, Natural

**Documents:**

<a href="#">3D Model</a>	<a href="#">Product Specification TS-5556-002-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-42404-002-001 (PDF)</a>
<a href="#">Product Specification PS-5556-002-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification TS-42404-001-001 (PDF)</a>	



**General**

Product Family	PCB Headers
Series	<a href="#">44151</a>
Application	Board-to-Board, Power, Wire-to-Board
Overview	<a href="#">Mini-Fit BMI Connectors</a>
Product Name	Mini-Fit Jr.
UPC	884982520837

**Physical**

Breakaway	No
Circuits (Loaded)	6
Circuits (maximum)	6
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	Yes
Glow-Wire Capable	No
Guide to Mating Part	No
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Matte Tin
Material - Resin	Nylon
Net Weight	2.730/g
Number of Rows	2
Orientation	Right Angle
PC Tail Length	5.10mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.78mm
Packaging Type	Tray
Pitch - Mating Interface	4.20mm
Polarized to Mating Part	Yes
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	8.0A
Voltage - Maximum	600V

**Solder Process Data**

Duration at Max. Process Temperature (seconds)	005
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**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/01/2018 (15  
January 2018)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product  
environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any  
non-product compliance questions.

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

**Search Parts in this Series**

[44151 Series](#)

Lead-free Process Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	240

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification	PK-42404-002-001
Product Specification	PS-5556-002-001, TS-42404-001-001, TS-5556-002-001
Sales Drawing	SD-44151-001-000

This document was generated on 05/18/2018

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