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Part Number: [15-24-7181](#)
Status: **Active**
Overview: Mini-Fit® Products
Description: Mini-Fit® BMI Receptacle Header, 4.20mm Pitch, Dual Row, Vertical, with Snap-In Plastic Pegs, Post 2.54µm Tin (Sn), UL 94V-0, 18 Circuits

Documents:

[3D Model](#) [Test Summary TS-5556-002 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-5556-002 \(PDF\)](#)



image - Reference only

Agency Certification

CSA LR19980
 UL E29179

General

Product Family PCB Receptacles
 Series [42385](#)
 Application Board-to-Board, Power
 Comments Solder Type|With Pegs
 Overview [Mini-Fit® Products](#)
 Product Name Mini-Fit® BMI
 UPC 800753684249

Physical

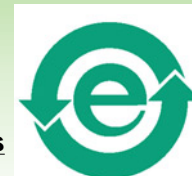
Circuits (Loaded) 18
 Circuits (maximum) 18
 Color - Resin Natural (White)
 Durability (mating cycles max) 30
 Flammability 94V-0
 Glow-Wire Compliant No
 Guide to Mating Part Yes
 Keying to Mating Part None
 Lock to Mating Part None
 Material - Metal Brass
 Material - Plating Mating Tin
 Material - Resin Nylon
 Net Weight 3.681/g
 Number of Rows 2
 Orientation Vertical
 PCB Locator Yes
 PCB Retention Yes
 PCB Thickness - Recommended 1.20mm
 Packaging Type Tray
 Pitch - Mating Interface 4.20mm
 Pitch - Termination Interface 4.20mm
 Polarized to Mating Part Yes
 Polarized to PCB Yes
 Surface Mount Compatible (SMC) No
 Temperature Range - Operating -40°C to +105°C
 Termination Interface: Style Through Hole

Electrical

Current - Maximum per Contact 9A
 Grounding to PCB No
 Voltage - Maximum 600V AC (RMS)/DC

EU RoHS **China RoHS**

ELV and RoHS Compliant
REACH SVHC Contains SVHC: No
Low-Halogen Status Low-Halogen



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

[42385Series](#)

Mates With

[42475](#) Panel Mount Plug, [42404](#) Vertical Header, [42440](#) Vertical Header, [43879](#) Vertical Header, [44068](#) Vertical Header

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	42385-18B1
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Reference - Drawing Numbers

Product Specification	PS-5556-002
Sales Drawing	SDA-42385-*
Test Summary	TS-5556-002

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