

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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 \(PDF\)](#)

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



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

[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 |
|-----------------|------------|

Reference - Drawing Numbers

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

This document was generated on 10/06/2014

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION