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**Part Number:** [0015247240](#)  
**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-2, 24 Circuits

**Documents:**

[3D Model](#) [Product Specification TS-5556-002-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-5556-002-001 \(PDF\)](#)

**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 800753535060

**Physical**

Circuits (Loaded) 24  
 Circuits (maximum) 24  
 Color - Resin Natural  
 Durability (mating cycles max) 30  
 Flammability 94V-2  
 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 4.843/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 9.0A  
 Grounding to PCB No  
 Voltage - Maximum 600V AC (RMS)/DC

**Solder Process Data**



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
 ED/21/2016 (20 June  
 2016)

**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

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[42385 Series](#)

**Mates With**

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

Duration at Max. Process Temperature (seconds)	005
Lead-freeProcess Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	240

**Material Info**

Engineering Number	42385-24A1
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**Reference - Drawing Numbers**

Product Specification	PS-5556-002-001, TS-5556-002-001
Sales Drawing	SDA-42385-*

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