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**Part Number:** [0447691602](#)  
**Status:** **Active**  
**Overview:** [Micro-Fit 3.0 Connector System Product Family](#)  
**Description:** Micro-Fit BMI Receptacle Header, Dual Row, Vertical, with Press-fit Plastic Pegs, 0.38µm Gold (Au) Selective, 16 Circuits

**Documents:**

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[3D Model](#) [Product Literature \(PDF\)](#)  
[Product Specification PS-44300-001-001 \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family PCB Receptacles  
 Series [44769](#)  
 Application Board-to-Board, Power, Wire-to-Board  
 Overview [Micro-Fit 3.0 Connector System Product Family](#)  
 Product Literature Order No 987650-5984  
 Product Name Micro-Fit BMI  
 UPC 800756568645

**Physical**

Circuits (Loaded) 16  
 Circuits (maximum) 16  
 Color - Resin Black  
 Durability (mating cycles max) 30  
 Flammability 94V-0  
 Glow-Wire Capable No  
 Material - Metal Phosphor Bronze  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin Liquid Crystal Polymer  
 Net Weight 2.924/g  
 Number of Rows 2  
 Orientation Vertical  
 PC Tail Length 3.40mm  
 PCB Locator Yes  
 PCB Retention Yes  
 PCB Thickness - Recommended 1.57mm  
 Packaging Type Tray  
 Pitch - Mating Interface 3.00mm  
 Plating min - Mating 0.381µm  
 Plating min - Termination 2.540µm  
 Polarized to Mating Part Yes  
 Polarized to PCB Yes  
 Surface Mount Compatible (SMC) No  
 Temperature Range - Operating -40° to +105°C  
 Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 8.5A  
 Voltage - Maximum 250V

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 005



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
 ED/61/2018 (27 June  
 2018)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[44769](#) Series

**Mates With**

[44428](#) Micro-Fit BMI Right Angle Headers,  
[44432](#) Micro-Fit BMI Vertical Headers,  
[44300](#) Micro-Fit BMI Plug Housing, [45280](#)  
 Micro-Fit BMI CPI Compliant Pin Header

Lead-freeProcess Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260

**Material Info**

**Reference - Drawing Numbers**

Product Specification	PS-44300-001-001
Sales Drawing	SD-44769-001
Symbol/Footprint Data	SYM-44769-1601

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