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Part Number: [0447691603](#)
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, 0.76µm 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 800756569048

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 0.762µm
 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



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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