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Part Number: [0447691601](#)
Status: **Active**
Overview: [Micro-Fit Connector System](#)
Description: Micro-Fit BMI Receptacle Header, Dual Row, Vertical, with Press-fit Plastic Pegs, 2.54µm Tin (Sn), 16 Circuits

Documents:

3D Model (PDF)	Test Summary 443000002-TS-000 (PDF)
Drawing (PDF)	Datasheet (PDF)
3D Model	Symbol Footprint Data SYM-44769-1601-001 (PDF)
Product Specification PS-44300-001-001 (PDF)	RoHS Certificate of Compliance (PDF)
Packaging Specification PK-44769-001-001 (PDF)	

Agency Certification

CSA	LR19980
UL	E29179

General

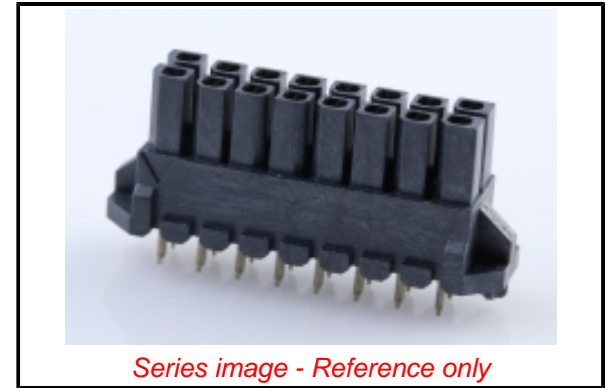
Product Family	PCB Receptacles
Series	44769
Application	Board-to-Board, Power, Wire-to-Board
Component Type	PCB Receptacle
Overview	Micro-Fit Connector System
Product Name	Micro-Fit BMI
Taxonomy	PCB Headers and Receptacles
UPC	800756568546

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	Tin
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	2.972/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	2.540µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	8.5A
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Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

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

Voltage - Maximum 250V

Solder Process Data

Duration at Max. Process Temperature (seconds) 005
Lead-free Process Capability WAVE
Max. Cycles at Max. Process Temperature 001
Process Temperature max. C 260

Material Info

Reference - Drawing Numbers

Packaging Specification PK-44769-001-001
Product Specification PS-44300-001-001
Sales Drawing SD-44769-001-001
Symbol/Footprint Data SYM-44769-1601-001
Test Summary 443000002-TS-000

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