

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0447691802](#)  
**Status:** **Active**  
**Overview:** [Micro-Fit Connector System](#)  
**Description:** Micro-Fit BMI Receptacle Header, Dual Row, Vertical, with Press-fit Plastic Pegs, 0.38µm Gold (Au) Selective, 18 Circuits

**Documents:**

<a href="#">Drawing (PDF)</a>	<a href="#">Test Summary 443000002-TS-000 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">3D Model</a>	<a href="#">Symbol Footprint Data SYM-44769-1801-001 (PDF)</a>
<a href="#">Product Specification PS-44300-001-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Packaging Specification PK-44769-001-001 (PDF)</a>	

**Agency Certification**

CSA	LR19980
UL	E29179

**General**

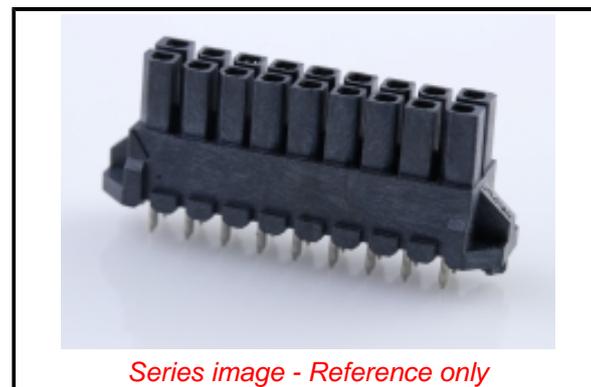
Product Family	PCB Receptacles
Series	<a href="#">44769</a>
Application	Board-to-Board, Power, Wire-to-Board
Overview	<a href="#">Micro-Fit Connector System</a>
Product Name	Micro-Fit BMI
Taxonomy	PCB Headers and Receptacles
UPC	800756569239

**Physical**

Circuits (Loaded)	18
Circuits (maximum)	18
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	3.266/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)	Yes
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole

**Electrical**

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



*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

**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-44769-1801-001
Test Summary	443000002-TS-000

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