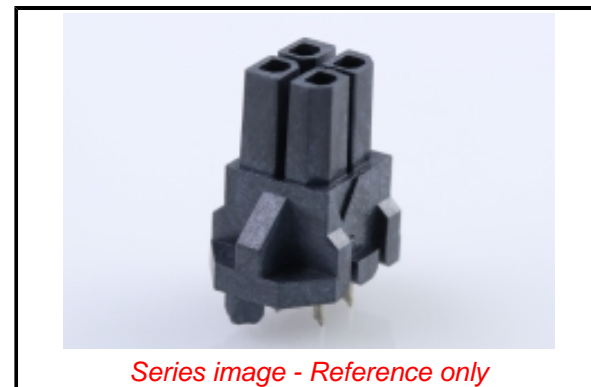


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Part Number: [0447690403](#)
Status: **Active**
Overview: [Micro-Fit Connector System](#)
Description: Micro-Fit BMI Receptacle Header, Dual Row, Vertical, with Press-fit Plastic Pegs, 0.76µm Gold (Au) Selective, 4 Circuits

Documents:

| | |
|--|--|
| 3D Model | Packaging Specification PK-44769-001-001 (PDF) |
| Drawing (PDF) | Symbol Footprint Data SYM-44769-0401-001 (PDF) |
| 3D Model (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification PS-44300-001-001 (PDF) | Product Literature (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 Connector System |
| Product Name | Micro-Fit BMI |
| UPC | 800756566917 |

Physical

| | |
|--------------------------------|------------------------|
| Circuits (Loaded) | 4 |
| Circuits (maximum) | 4 |
| 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 | 0.933/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) | Yes |
| 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 -
D(2021)4569-DC (8
July 2021)

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

| | |
|-------------------------|--------------------|
| Packaging Specification | PK-44769-001-001 |
| Product Specification | PS-44300-001-001 |
| Sales Drawing | SD-44769-001-001 |
| Symbol/Footprint Data | SYM-44769-0401-001 |

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