

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

**Part Number:** **0444280803**  
**Status:** **Active**  
**Overview:** Micro-Fit Connector System  
**Description:** Micro-Fit BMI Header, Surface Mount Compatible, Dual Row, Right-Angle, with Snap-in Plastic Peg PCB Lock, 8 Circuits, 0.76µm Gold (Au) Selective Plating

**Documents:**

<a href="#">Drawing (PDF)</a>	<a href="#">Test Summary 444280001-TS-000 (PDF)</a>
<a href="#">3D Model</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-44300-001-001 (PDF)</a>	<a href="#">Product Literature (PDF)</a>

**Agency Certification**

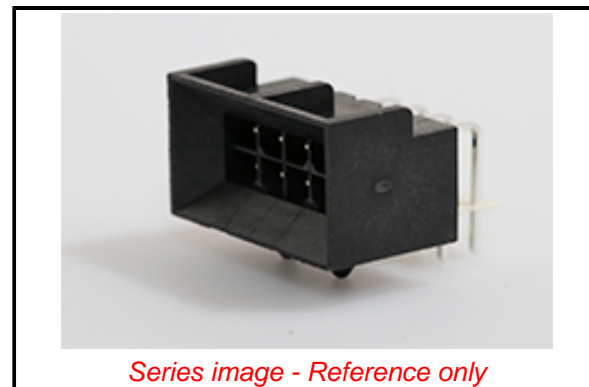
CSA	LR19980
UL	E29179

**General**

Product Family	PCB Headers
Series	<u>44428</u>
3D Viewer	Yes
Application	Board-to-Board, Power, Wire-to-Board
CURRENT-MAX-NUMERIC	8.5
Comments	High Temperature Square Pin Solder Type Polarized to Mating Part, High Temperature Square Pin Solder Type Polarized to Mating Part
Overview	<u>Micro-Fit Connector System</u>
PITCH-MATING-NUMERIC	3.00
Product Literature Order No	987650-5984
Product Name	Micro-Fit BMI
UPC	800756379968

**Physical**

Breakaway	No
Circuits (Loaded)	8
Circuits (maximum)	8
Color - Resin	Black
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	2.057/g
Number of Rows	2
Orientation	Right Angle
PC Tail Length	3.50mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Packaging Type	Tray
Pitch - Mating Interface	3.00mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per - ED/71/2019 (16 July 2019)

**Halogen-Free**

**Status**

**Not 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**

44428 Series

**Mates With**

44133 Micro-Fit BMI Panel Mount Receptacle Housing, 44764 Micro-Fit BMI Receptacle Header, 44769 Micro-Fit BMI Receptacle Header

Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
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	600V

**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**

Product Specification	PS-44300-001-001
Sales Drawing	SD-44428-001
Symbol/Footprint Data	SYM-44428-0801, SYM-44428-0801_3
Test Summary	444280001-TS-000

This document was generated on 10/01/2019

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex:](#)

[44428-0803](#)