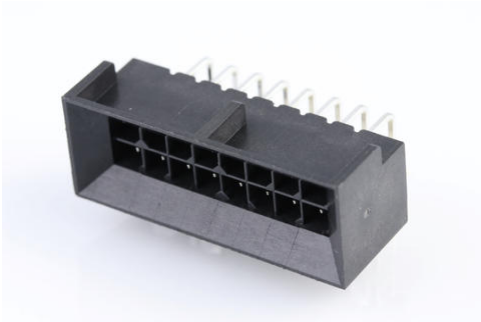




**Part Number :** [444281605](#)  
**Product Description :** Micro-Fit BMI Header, Surface Mount Compatible, Dual Row, Right-Angle, without Snap-in Plastic Peg PCB Lock, 16 Circuits, 0.38µm Gold (Au) Selective Plating  
**Series Number :** 44428  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents & Resources

### Drawings

[444281605 sd.pdf](#)  
[PK-44428-001-001.pdf](#)

### 3D Models and Design Files


[STEP AP242](#)  
[SOLIDWORKS](#)  
[Creo](#)  
[Symbol and Footprint \(Multi-Format\)](#)  
[SYM-44428-1604 6-001.zip](#)

### Specifications

[PS-44300-001-001.pdf](#)  
[443000002-TS-000.pdf](#)  
[444280001-TS-000.pdf](#)

## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC

	(25 June 2025)
EU RoHS	Compliant per EU 2015/863

#### Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

#### Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

#### Substances of Interest

- PFAS

#### EU RoHS Certificate of Compliance

#### Additional Product Compliance Information

## Part Details

### General

Status	Active
Category	PCB Headers and Receptacles
Series	44428
Description	Micro-Fit BMI Header, Surface Mount Compatible, Dual Row, Right-Angle, without Snap-in Plastic Peg PCB Lock, 16 Circuits, 0.38µm Gold (Au) Selective Plating
Application	Board-to-Board, Power, Wire-to-Board
Comments	High Temperature, Square Pin, Solder Type, Polarized to Mating Part
Component Type	PCB Header
Product Name	Micro-Fit BMI
UPC	756054349571

### Agency

CSA	LR19980
UL	E29179

## Electrical

Current - Maximum per Contact	8.5A
Voltage - Maximum	600V

## Physical

Breakaway	No
Circuits (Loaded)	16
Circuits (maximum)	16
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	Nylon
Net Weight	3.373/g
Number of Rows	2
Orientation	Right Angle
Packaging Type	Tray
PCB Locator	Yes
PCB Retention	None
PCB Thickness - Recommended	1.60mm
PC Tail Length	3.50mm
Pitch - Mating Interface	3.00mm
Plating min - Mating	0.381µm
Plating min - Termination	2.540µm
Polarized to PCB	Yes

Shrouded	Fully
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

### Solder Process Data

Max-Duration	5
Lead-Free Process Capability	WAVE
Max-Cycle	1
Max-Temp	260

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### Mates With / Use With

#### Mates with Part(s)

Description	Part Number
Micro-Fit BMI Dual Row Receptacle Housings	<u><a href="#">44133</a></u>
Micro-Fit BMI Right-Angle Dual Row PCB Receptacles	<u><a href="#">44764</a></u>
Micro-Fit BMI Vertical Dual Row PCB Receptacles	<u><a href="#">44769</a></u>