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Part Number: [0444282407](#)
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, 24 Circuits, Matte Tin (Sn) Plating

Documents:

3D Model	Test Summary 444280001-TS-000 (PDF)
Drawing (PDF)	Symbol Footprint Data SYM-44428-2401 (PDF)
3D Model (PDF)	Symbol Footprint Data SYM-44428-2407 (PDF)
Product Specification PS-44300-001-001 (PDF)	RoHS Certificate of Compliance (PDF)
Packaging Specification PK-44428-001-001 (PDF)	Product Literature (PDF)

Agency Certification

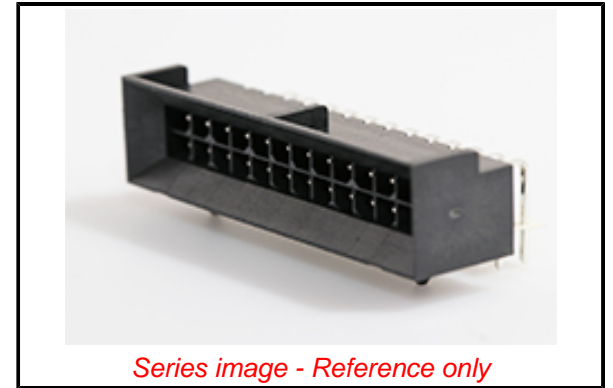
CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	44428
Application	Board-to-Board, Power, Wire-to-Board
Comments	High Temperature Square Pin Solder Type Polarized to Mating Part
Overview	Micro-Fit Connector System
Product Name	Micro-Fit BMI
UPC	887191131771

Physical

Breakaway	No
Circuits (Loaded)	24
Circuits (maximum)	24
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	No
Material - Metal	Brass
Material - Plating Mating	Matte Tin
Material - Plating Termination	Matte Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	4.724/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	2.540µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2020)4578-DC (25
June 2020)

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

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**

Packaging Specification	PK-44428-001-001
Product Specification	PS-44300-001-001
Sales Drawing	SD-44428-001
Symbol/Footprint Data	SYM-44428-2401, SYM-44428-2407
Test Summary	444280001-TS-000

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