

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0444322001](#)
Status: **Active**
Overview: [Micro-Fit Connector System](#)
Description: Micro-Fit BMI Header, Dual Row, Vertical, with PCB Polarizing Peg, 20 Circuits, Tin (Sn) Plating, Kinked Tails

Documents:

Drawing (PDF)	Datasheet (PDF)
3D Model	Symbol Footprint Data SYM-44432-2001-001 (PDF)
3D Model (PDF)	Symbol Footprint Data SYM-44432-200X-001 (PDF)
Product Specification PS-44300-001-001 (PDF)	RoHS Certificate of Compliance (PDF)
Packaging Specification PK-44432-001-001 (PDF)	

Agency Certification

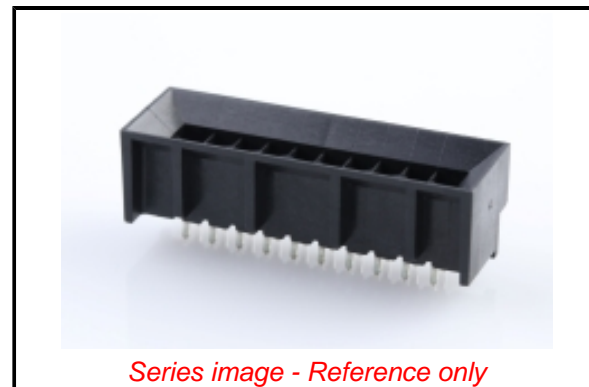
CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	44432
Application	Board-to-Board, Power, Wire-to-Board
Comments	High Temperature Square Pin Solder Type
Overview	Micro-Fit Connector System
Product Name	Micro-Fit BMI
UPC	800756378053

Physical

Breakaway	No
Circuits (Loaded)	20
Circuits (maximum)	20
Color - Resin	Black
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Capable	No
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	3.300/g
Number of Rows	2
Orientation	Vertical
PC Tail Length	3.30mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Packaging Type	Tray
Pitch - Mating Interface	3.00mm
Plating min - Mating	5.080µm
Plating min - Termination	5.080µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2021)4569-DC (8
July 2021)

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

[44432](#) Series

Mates With

[44133](#) Micro-Fit BMI Panel Mount Receptacle Housing, [44764](#) Micro-Fit BMI Receptacle Header, [44769](#) Micro-Fit BMI Receptacle Header

Electrical

Current - Maximum per Contact	8.5A
Voltage - Maximum	250V AC (RMS)/DC

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-44432-001-001
Product Specification	PS-44300-001-001
Sales Drawing	SD-44432-001-001
Symbol/Footprint Data	SYM-44432-2001-001, SYM-44432-200X-001

This document was generated on 12/13/2021

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Mouser Electronics

Authorized Distributor

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

[Molex:](#)

[44432-2001](#)