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Part Number: [0444281804](#)
Status: **Active**
Overview: [Micro-Fit Connector System](#)
Description: Micro-Fit BMI Header, Surface Mount Compatible, Dual Row, Right-Angle, without Snap-in Plastic Peg PCB Lock, 18 Circuits, Tin (Sn) Plating

Documents:

- | | |
|--|---|
| 3D Model | Test Summary 444280001-TS-000 (PDF) |
| Drawing (PDF) | Datasheet (PDF) |
| 3D Model (PDF) | Symbol Footprint Data SYM-44428-18046-001 (PDF) |
| Product Specification PS-44300-001-001 (PDF) | RoHS Certificate of Compliance (PDF) |
| Packaging Specification PK-44428-001-001 (PDF) | |

Agency Certification

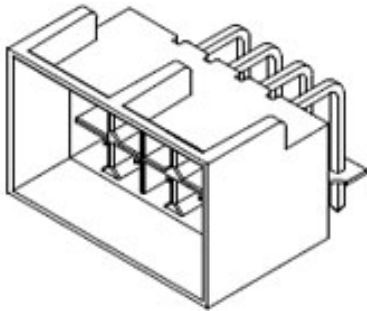
CSA	LR19980
UL	E29179

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	800756098074

Physical

Breakaway	No
Circuits (Loaded)	18
Circuits (maximum)	18
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	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	3.737/g
Number of Rows	2
Orientation	Right Angle
PC Tail Length	3.50mm
PCB Locator	Yes
PCB Retention	None
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 PCB	Yes
Shrouded	Fully
Stackable	No



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Contained Per -
D(2021)4569-DC (8
July 2021)
Benzo(ghi)perylene
Octanoic acid,
2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-
pen
Dodecamethylcyclhexasiloxane
Decamethylcyclpentasiloxane
Octamethylcycltetrasiloxane
Disodium 3,3'-[[1,1'-
Biphenyl]-4,4'-
Diylbis(Azo)
1,2-
Benzenedicarboxylic
acid, bis(3-
methylbutyl)
1,2-diethoxyethane
Dibutyltin-dichloride
C.I. Direct Black 38
Ammonium-
pentadecafluorooctanoate
Phenol, 2-(2H-
benzotriazol-2-yl)-4,6-
bis(1,1-dim
2-ethylhexyl 10-
ethyl-4,4-dioctyl-7-
oxo-8-oxa-3,
Dibutylbis(pentane-2,4-
dionato-O,O')tin
2-(2H-Benzotriazol-2-
yl)-4,6-
ditertpentylphenol
2-(2H-Benzotriazol-2-
yl)-4-(tert-butyl)-6-
(sec-b
1,2-
Benzenedicarboxylic

China RoHS

Surface Mount Compatible (SMC)	Yes	acid, dihexyl ester, bra diisohexyl phthalate 1,2-Benzenedicarboxylic acid, dipentyl ester, br Zirconia Aluminosilicate Refractory Ceramic Fibr Nonadecafluorodecanoic acid (PFDA) and its sodiu Tris(4-nonylphenyl, branched and linear) phosphi Perfluorobutane sulfonic acid (PFBS) and its sal Fluoranthene Pyrene Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o Dioctyltin dilaurate, stannane, dioctyl-, bis(co Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7 Perfluorohexane-1-sulphonic acid and its salts Dipentyl phthalate Cobalt-dichloride Alkanes, C10-13, chloro Bis(tributyltin) oxide Lead chromate Lead chromate molybdate sulfate red Tris(2-chloroethyl) phosphate bis(2-methoxyethyl) ether 1,2-Dimethoxyethane 1,2-bis(2-methoxyethoxy)ethane Decabromodiphenylether Diboron-trioxide Cadmium-oxide Lead(II,IV)-oxide Lead Cadmium Lead-dinitrate Lead-titanium-trioxide Pentalead-tetraoxide-sulphate Tetralead-trioxide-sulphate Dioxobis(stearato)trilead Lead titanium zirconium oxide Cyanamide, lead(2+) salt (1:1) Sulfurous Acid, Lead Salt, Dibasic
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-freeProcess 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-44428-001-001	
Symbol/Footprint Data	SYM-44428-1804_6-001	
Test Summary	444280001-TS-000	

Silicic acid (H2Si2O5),
barium salt (1:1),
lead-
[Phthalato(2-)]dioxotrilead
4-aminoazobenzene
N,N-
Dimethylformamide
Phenanthrene
Imidazolidine-2-thione
Halogen-Free
Status
Not Low-Halogen
For more information, please visit [Contact US](#)

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	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

Mouser Electronics

Authorized Distributor

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44428-1804