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Part Number: [0444281801](#)
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, 18 Circuits, Tin (Sn) Plating

Documents:

| | |
|--|---|
| 3D Model (PDF) | Test Summary 444280001-TS-000 (PDF) |
| Drawing (PDF) | Datasheet (PDF) |
| 3D Model | Symbol Footprint Data SYM-44428-1801-001 (PDF) |
| Product Specification PS-44300-001-001 (PDF) | Symbol Footprint Data SYM-44428-18013-001 (PDF) |
| Packaging Specification PK-44428-001-001 (PDF) | RoHS Certificate of Compliance (PDF) |

Agency Certification

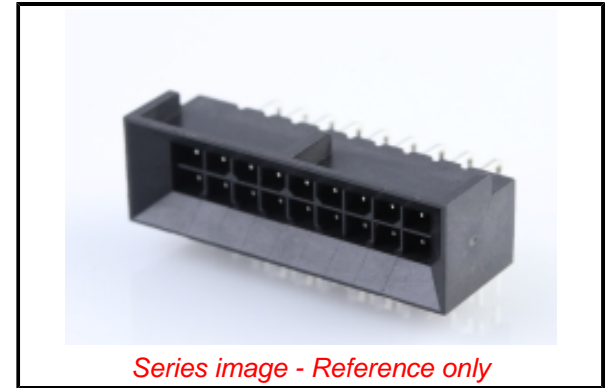
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|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

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 | 800756081700 |

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 | 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 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
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-44428-001-001
Symbol/Footprint Data SYM-44428-1801-001, SYM-44428-1801_3-001
Test Summary 444280001-TS-000

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
Diocetyl tin 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

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

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