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Part Number: [0444281201](#)
Status: **Active**
Overview: Micro-Fit 3.0™ Connectors
Description: Micro-Fit BMI™ Header, Surface Mount Compatible, Dual Row, Right Angle, with Snap-in Plastic Peg PCB Lock, 12 Circuits, Tin (Sn) Plating

Documents:

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#) [Product Literature \(PDF\)](#)
[Product Specification PS-44300-001 \(PDF\)](#)

Agency Certification

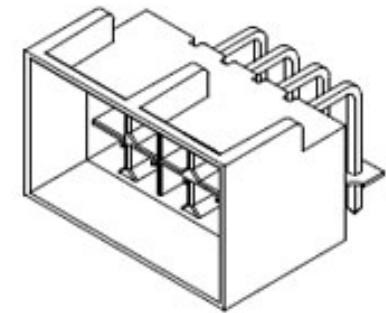
CSA LR19980
 UL E29179

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 3.0™ Connectors](#)
 Product Literature Order No 987650-5984
 Product Name Micro-Fit BMI™
 UPC 800756081670

Physical

Breakaway No
 Circuits (Loaded) 12
 Circuits (maximum) 12
 Color - Resin Black
 Durability (mating cycles max) 30
 First Mate / Last Break No
 Flammability 94V-0
 Glow-Wire Compliant 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 2.738/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
 Surface Mount Compatible (SMC) Yes



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Contained Per -
 ED/21/2016 (20 June
 2016)
 2,4-Di-tert-butyl-6-(5-
 chlorobenzotriazol-2-
 yl)p

Halogen-Free

Status

Not Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
 Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS Green Image
 ELV Not Relevant
 RoHS Phthalates Not Reviewed

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

Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	5.0A
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**

Product Specification	PS-44300-001, RPS-44300-001
Sales Drawing	SD-44428-001

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