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Part Number:

0452801052

Status:

Active

Overview:

Micro-Fit 3.0™ Connectors

Description:

Micro-Fit BMI CPI™ Compliant Pin Header, Blind Mate Interface, Dual Row, Vertical, 10 Circuits, PA Polyamide Nylon 4/6, UL 94V-0, 0.38µm Gold (Au) Selective Contact Plating, Tin (Sn) Tail Plating

Documents:

3D Model

Test Summary TS-45280-001 (PDF)

Drawing (PDF)

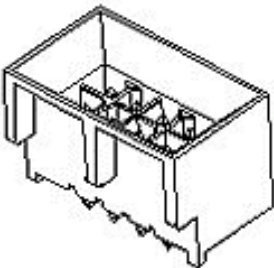
RoHS Certificate of Compliance (PDF)

Product Specification PS-44300-001 (PDF)

Product Literature (PDF)

Agency Certification	
CSA	LR19980
TUV	R72081037
UL	E29179
General	
Product Family	PCB Headers
Series	45280
Application	Board-to-Board, Power, Wire-to-Board
Application Tooling Part Link	62200-2700
Application Tooling Part Link	62200-8400
Application Tooling Part Link	62203-0450
Overview	Micro-Fit 3.0™ Connectors
Product Literature Order No	987650-5984
Product Name	Micro-Fit BMI CPI™
UPC	822350790772

Physical	
Breakaway	No
Circuits (Loaded)	10
Circuits (maximum)	10
Color - Resin	Black
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Lock to Mating Part	None
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	2.080/g
Number of Rows	2
Orientation	Vertical
PC Tail Length	4.80mm
PCB Locator	Yes
PCB Retention	Yes
Packaging Type	Tray
Pitch - Mating Interface	3.00mm
Plating min - Mating	0.381µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Contains SVHC(2014 December 17): No

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

Search Parts in this Series

45280 Series

Mates With

44133-1000 Micro-Fit BMI™ Panel Mount Receptacle Housing, 44769-1002 Micro-Fit BMI™ Vertical Receptacle Header, 44764-1002 Micro-Fit BMI™ Right Angle Receptacle Header

Application Tooling | FAQ

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global

Description

Product #

Insertion Tool for

0622002700

Micro-Fit BMI CPI™

Header Assemblies

Surface Mount Compatible (SMC)	No	Compliant Pin	<u>0622008400</u>
Temperature Range - Operating	-40°C to +105°C	Insertion Flat Rock	
Termination Interface: Style	Through Hole - Compliant Pin	Tool	
Electrical		Removal Tool	<u>0622030450</u>
Current - Maximum per Contact	5.0A		
Voltage - Maximum	600V		
Solder Process Data			
Lead-freeProcess Capability	N/A		
Material Info			
Reference - Drawing Numbers			
Product Specification	PS-44300-001, RPS-44300-001		
Sales Drawing	SD-45280-002		
Test Summary	TS-45280-001		

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