

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0452801053](#)

Status: **Active**

Overview:

Description: 3.00mm (.118") Pitch Micro-Fit 3.0 BMI CPI™ Compliant Pin Header, Blind Mate Interface, Dual Row, Vertical, 10 Circuits, PA Polyamide Nylon 4/6, UL 94V-0, 0.76µm (30µ") Gold (Au) Selective Contact Plating, Tin (Sn) Tail Plating

Documents:

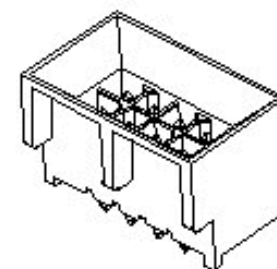
[3D Model](#)

[Product Literature \(PDF\)](#)

[Drawing \(PDF\)](#)

[Product Specification PS-44300-001 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)



Series image - Reference only

General

Product Family	PCB Headers
Series	45280
Application	Board-to-Board
Application	Wire-to-Board
Application Tooling Part Link	622008400
Overview	Micro-Fit, 3.0™
Product Name	Micro-Fit 3.0 BMI CPI™

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
Number of Rows	2
Orientation	Vertical
PC Tail Length (in)	0.189 In
PC Tail Length (mm)	4.80 mm
PCB Locator	Yes
PCB Retention	Yes
Packaging Type	Tray
Pitch - Mating Interface (in)	0.118 In
Pitch - Mating Interface (mm)	3.00 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.75
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.5
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

EU RoHS

**ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status**

China RoHS



**Need more information on product
environmental compliance?**

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

Search Parts in this Series

[45280 Series](#)

Mates With

[44133-1000 Panel Mount Receptacle](#),
[44769-1003 Vertical Receptacle Header](#),
[44764-1003 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 #
Micro-Fit™ Compliant Pin Insertion Flat Rock Tool	0622008400

CSA
Current - Maximum
TUV
UL
Voltage - Maximum

LR19980
5A
R72081037
E29179
250V

Material Info

Reference - Drawing Numbers

Product Specification
Product Specification
Sales Drawing

PS-44300-001
RPS-44300-001
SD-45280-002

This document was generated on 11/05/2009

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION