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Part Number:

0430451001

Status:

Active

Overview:

Micro-Fit Connector System

Description:

Micro-Fit 3.0 Right-Angle Header, 3.00mm Pitch, Dual Row, 10 Circuits, with Snap-in Plastic Peg PCB Lock, Gold, Glow-Wire Capable, Black

Documents:

- [Drawing \(PDF\)](#)

[3D Model](#)

[3D Model \(PDF\)](#)

[Product Specification 430450001-PS-KO-000 \(PDF\)](#)

[Product Specification 430450001-PS-SP-000 \(PDF\)](#)

[Product Specification PS-43045-001 \(PDF\)](#)

[Application Specification AS-43045-001-001 \(PDF\)](#)

[Packaging Specification PK-70873-0313-001 \(PDF\)](#)
- [Test Summary 430450006-TS-000 \(PDF\)](#)

[Test Summary TS-43045-001-001 \(PDF\)](#)

[Test Summary TS-43045-002-001 \(PDF\)](#)

[Test Summary TS-46235-001-001 \(PDF\)](#)

[Datasheet \(PDF\)](#)

[Symbol Footprint Data SYM-43045-1000-001 \(PDF\)](#)

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

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

Series

Application

Comments

PCB Headers

43045

Power, Wire-to-Board

High Temperature, Square Pin, Solder Type; This Molex product is manufactured from material that has the following ratings, tested by independent agencies: a) A Glow Wire Ignition Temperature (GWIT) of at least 775 deg C per IEC 60695-2-13. b) A Glow Wire Flammability Index (GWFI) above 850 deg C per IEC 60695-2-12 and hence complies with the requirements set out in the International Standard IEC 60335-1 5th edition - household and similar electrical appliances - safety, section 30 Resistance to heat and fire. The customers using this product must determine its suitability for use in their particular application through testing or other acceptable means as described in end-product glow-wire flammability test standard IEC 60695-2-11 and any applicable product end-use standard(s). If it is determined during the customer's evaluation of suitability, that higher performance is required, please contact Molex for possible product options.

[Micro-Fit Connector System](#)

Micro-Fit 3.0

PCB Headers and Receptacles

800754372145

Overview

Product Name

Taxonomy

UPC

Physical

Breakaway

No

Circuits (Loaded)

10

Circuits (maximum)

10

Color - Resin

Black

Durability (mating cycles max)

30

Flammability

94V-0

Glow-Wire Capable

Yes

Mated Height

10.29mm

Material - Metal

Brass



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China RoHS

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[43045 Series](#)

Mates With

Micro-Fit 3.0 Receptacle Housing [43025](#)

Micro-Fit 3.0 TPA Receptacle Housing
[172952](#)
 Micro-Fit 3.0 Cable Assembly
[214755](#) , [214756](#)

Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	1.667/g
Number of Rows	2
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Packaging Type	Tray
Pitch - Mating Interface	3.00mm
Plating min - Mating	0.381μm
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40° to +125°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)	030
Lead-freeProcess Capability	SMC&WAVE
Max. Cycles at Max. Process Temperature	003
Process Temperature max. C	260
Material Info	
Reference - Drawing Numbers	
Application Specification	AS-43045-001-001
Packaging Specification	PK-70873-0313-001
Product Specification	430450001-PS-KO-000, 430450001-PS-SP-000, PS-43045-001
Sales Drawing	SD-43045-001-001
Symbol/Footprint Data	SYM-43045-1000-001
Test Summary	430450006-TS-000, TS-43045-001-001, TS-43045-002-001, TS-46235-001-001