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Part Number:

0430451602

Status:

Active

Overview:

Micro-Fit Connector System

Description:

Micro-Fit 3.0 Right-Angle Header, 3.00mm Pitch, Dual Row, 16 Circuits, with Snap-in Plastic Peg PCB Lock, Gold, Glow-Wire Capable, Black

Documents:

- 3D Model (PDF)

Drawing (PDF)

3D Model

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-43045-1600-001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

UL

LR19980

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.

Component Type

Overview

Product Name

Taxonomy

UPC

PCB Header

Micro-Fit Connector System

Micro-Fit 3.0

PCB Headers and Receptacles

800754374019

Physical

Breakaway

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

Flammability

Glow-Wire Capable

Mated Height

No

16

16

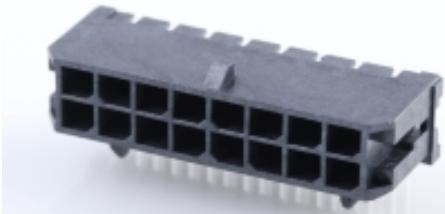
Black

30

94V-0

Yes

10.29mm



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](#)  
<br>Micro-Fit 3.0 TPA Receptacle Housing  
[172952](#)

|                                                |                                                                           |
|------------------------------------------------|---------------------------------------------------------------------------|
| Material - Metal                               | Brass                                                                     |
| Material - Plating Mating                      | Gold                                                                      |
| Material - Plating Termination                 | Tin                                                                       |
| Material - Resin                               | High Temperature Thermoplastic                                            |
| Net Weight                                     | 2.509/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                           | 0.762μm                                                                   |
| 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                                                              |
| <b>Electrical</b>                              |                                                                           |
| Current - Maximum per Contact                  | 8.5A                                                                      |
| Voltage - Maximum                              | 600V                                                                      |
| <b>Solder Process Data</b>                     |                                                                           |
| Duration at Max. Process Temperature (seconds) | 030                                                                       |
| Lead-freeProcess Capability                    | SMC&WAVE                                                                  |
| Max. Cycles at Max. Process Temperature        | 003                                                                       |
| Process Temperature max. C                     | 260                                                                       |
| <b>Material Info</b>                           |                                                                           |
| <b>Reference - Drawing Numbers</b>             |                                                                           |
| Application Specification                      | AS-43045-001-001                                                          |
| Packaging Specification                        | PK-70873-0313-001                                                         |
| Product Specification                          | 430450001-PS-KO-000, 430450001-PS-SP-000,<br>PS-43045-001                 |
| Sales Drawing                                  | SD-43045-001-001                                                          |
| Symbol/Footprint Data                          | SYM-43045-1600-001                                                        |
| Test Summary                                   | 430450006-TS-000, TS-43045-001-001,<br>TS-43045-002-001, TS-46235-001-001 |

This document was generated on 01/04/2023

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