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Part Number:

0430451218

Status:

Active

Overview:

Micro-Fit Connector System

Description:

Micro-Fit 3.0 Vertical Header, 3.00mm Pitch, Dual Row, 12 Circuits, with Solder Tab, Tin, Glow-Wire Capable, Black, Tape and Reel

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)

Packaging Specification 430450002-PK-000 (PDF)
- Test Summary 430450004-TS-000 (PDF)

Test Summary TS-43045-001-001 (PDF)

Test Summary TS-46235-001-001 (PDF)

Datasheet (PDF)

Symbol Footprint Data SYM-43045-1218-001 (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<P><P>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. <P><P> 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). <P> 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

800754373289

Overview

Product Name

UPC

Physical

Breakaway

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

Flammability

Glow-Wire Capable

Mated Height

Material - Metal

No

12

12

Black

30

94V-0

Yes

17.64mm

Brass



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -  
D(2020)9139-DC (19  
Jan 2021)

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 - Plating Mating                      | Tin                                                       |
| Material - Plating Termination                 | Tin                                                       |
| Material - Resin                               | High Temperature Thermoplastic                            |
| Net Weight                                     | 1.934/g                                                   |
| Number of Rows                                 | 2                                                         |
| Orientation                                    | Vertical                                                  |
| PCB Locator                                    | Yes                                                       |
| PCB Retention                                  | Yes                                                       |
| PCB Thickness - Recommended                    | 1.60mm                                                    |
| Packaging Type                                 | Embossed Tape on Reel                                     |
| Pitch - Mating Interface                       | 3.00mm                                                    |
| Plating min - Mating                           | 0.254µm                                                   |
| Polarized to PCB                               | Yes                                                       |
| Shrouded                                       | Fully                                                     |
| Stackable                                      | No                                                        |
| Surface Mount Compatible (SMC)                 | N/A                                                       |
| Temperature Range - Operating                  | -40° to +105°C                                            |
| Termination Interface: Style                   | Surface Mount                                             |
| <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                    | REFLOW                                                    |
| Max. Cycles at Max. Process Temperature        | 003                                                       |
| Process Temperature max. C                     | 260                                                       |
| <b>Material Info</b>                           |                                                           |
| <b>Reference - Drawing Numbers</b>             |                                                           |
| Packaging Specification                        | 430450002-PK-000                                          |
| Product Specification                          | 430450001-PS-KO-000, 430450001-PS-SP-000,<br>PS-43045-001 |
| Sales Drawing                                  | SD-43045-007-001                                          |
| Symbol/Footprint Data                          | SYM-43045-1218-001                                        |
| Test Summary                                   | 430450004-TS-000, TS-43045-001-001,<br>TS-46235-001-001   |

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