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Part Number:

0430452214

Status:

Active

Overview:

Micro-Fit 3.0™ Connectors

Description:

Micro-Fit 3.0™ Vertical Header, 3.00mm Pitch, Dual Row, 22 Circuits, with PCB Polarizing Peg, Gold, Glow Wire Capable, Black

Documents:

- 3D Model

Drawing (PDF)

Product Specification PS-43045 (PDF)

Product Specification TS-43045-001-001 (PDF)

Product Specification TS-43045-002-001 (PDF)
- Product Specification TS-46235-001-001 (PDF)

Packaging Specification PK-70873-0314 (PDF)

RoHS Certificate of Compliance (PDF)

Product Literature (PDF)

Agency Certification

CSA

UL

LR19980

E29179

General

Product Family

Series

Application

Comments

PCB Headers

43045

Power, Wire-to-Board

"High Temperature|Square Pin|Offset Through Hole Mounting|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 3.0™ Connectors

987650-5984

Micro-Fit 3.0™

800754376136

Overview

Product Literature Order No

Product Name

UPC

Physical

Breakaway

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

Flammability

Glow-Wire Compliant

Mated Height

Material - Metal

Material - Plating Mating

No

22

22

Black

30

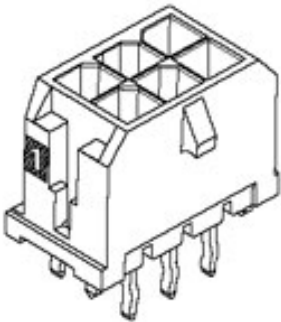
94V-0

Yes

17.64mm

Brass

Gold



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -  
ED/21/2016 (20 June  
2016)

Halogen-Free

Status

Low-Halogen

Need more information on product  
environmental compliance?

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

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

|                                                |                                                                   |
|------------------------------------------------|-------------------------------------------------------------------|
| Material - Plating Termination                 | Tin                                                               |
| Material - Resin                               | High Temperature Thermoplastic                                    |
| Net Weight                                     | 2.895/g                                                           |
| Number of Rows                                 | 2                                                                 |
| Orientation                                    | Vertical                                                          |
| 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°C to +105°C                                                   |
| Termination Interface: Style                   | Through Hole - Kinked Pin                                         |
| <b>Electrical</b>                              |                                                                   |
| Current - Maximum per Contact                  | 5.0A                                                              |
| 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>             |                                                                   |
| Packaging Specification                        | PK-70873-0314                                                     |
| Product Specification                          | PS-43045, TS-43045-001-001, TS-43045-002-001,<br>TS-46235-001-001 |
| Sales Drawing                                  | SD-43045-005                                                      |

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Authorized Distributor

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