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Part Number:

0436501000

Status:

Active

Overview:

Micro-Fit Connector System

Description:

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

Documents:

- [3D Model \(PDF\)](#)[3D Model](#)[Drawing \(PDF\)](#)[Product Specification 436500001-PS-JA-000 \(PDF\)](#)[Product Specification 436500001-PS-KO-000 \(PDF\)](#)[Product Specification 436500001-PS-SP-000 \(PDF\)](#)[Product Specification PS-43650-001 \(PDF\)](#)[Packaging Specification PK-70873-0321-001 \(PDF\)](#)
- [Test Summary 430450004-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-43650-1000-001 \(PDF\)](#)[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA

UL

LR19980

E29179

General

Product Family

Series

Application

Comments

PCB Headers

43650

Power, Wire-to-Board

High Temperature, Square Pin; 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

800753950405

Physical

Breakaway

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

Flammability

Glow-Wire Capable

Mated Height

No

10

10

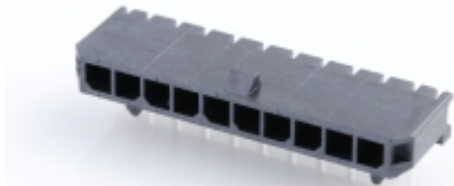
Black

30

94V-0

Yes

6.98mm



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

[43650](#) Series

Mates With

Micro-Fit 3.0 Receptacle Housing [43645](#)  
<br>Micro-Fit 3.0 TPA Receptacle Housing  
[171850](#) <br> Micro-Fit 3.0 Cable Assembly  
[2147501101](#) , [2147501102](#) , [2147501103](#) ,  
[2147511101](#) , [2147511102](#) , [2147511103](#)

|                                                |                                                                                |
|------------------------------------------------|--------------------------------------------------------------------------------|
| Material - Metal                               | Brass                                                                          |
| Material - Plating Mating                      | Tin                                                                            |
| Material - Plating Termination                 | Tin                                                                            |
| Material - Resin                               | High Temperature Thermoplastic                                                 |
| Net Weight                                     | 1.788/g                                                                        |
| Number of Rows                                 | 1                                                                              |
| 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                           | 2.540μm                                                                        |
| Plating min - Termination                      | 2.540μm                                                                        |
| Polarized to PCB                               | Yes                                                                            |
| Shrouded                                       | Fully                                                                          |
| Stackable                                      | No                                                                             |
| Surface Mount Compatible (SMC)                 | Yes                                                                            |
| Temperature Range - Operating                  | -40° to +105°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>             |                                                                                |
| Packaging Specification                        | PK-70873-0321-001                                                              |
| Product Specification                          | 436500001-PS-JA-000, 436500001-PS-KO-000,<br>436500001-PS-SP-000, PS-43650-001 |
| Sales Drawing                                  | SD-43650-001-000                                                               |
| Symbol/Footprint Data                          | SYM-43650-1000-001                                                             |
| Test Summary                                   | 430450004-TS-000, TS-43045-001-001,<br>TS-43045-002-001, TS-46235-001-001      |

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