

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0436500223

Status:

Active

Overview:

Micro-Fit Connector System

Description:

Micro-Fit 3.0 Vertical Header, 3.00mm Pitch, Single Row, 2 Circuits, with PCB Press-fit Metal Retention Clip, Gold, Glow-Wire Capable, Black, Tape and Reel

- Documents:
- 3D Model

3D Model (PDF)

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 436500002-PK-000 (PDF)

Packaging Specification 708730000-PK-000 (PDF)

Test Summary 430450005-TS-000 (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-43650-0221-001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

PCB Headers

Series

43650

Application

Power, Wire-to-Board

Comments

High Temperature|Square Pin|Solder

Overview

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.

Product Name

Micro-Fit Connector System

UPC

Micro-Fit 3.0  
800754778244

Physical

Breakaway

No

Circuits (Loaded)

2

Circuits (maximum)

2

Color - Resin

Black

Durability (mating cycles max)

30

Flammability

94V-0

Glow-Wire Capable

Yes



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -  
D(2021)4569-DC (8  
July 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

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  
[2147502021](#) , [2147502022](#) , [2147502023](#) ,  
[2147512021](#) , [2147512022](#) , [2147512023](#)

|                                                |                                                                                                |
|------------------------------------------------|------------------------------------------------------------------------------------------------|
| Mated Height                                   | 17.27mm                                                                                        |
| Material - Metal                               | Brass                                                                                          |
| Material - Plating Mating                      | Gold                                                                                           |
| Material - Plating Termination                 | Tin                                                                                            |
| Material - Resin                               | High Temperature Thermoplastic                                                                 |
| Net Weight                                     | 0.655/g                                                                                        |
| Number of Rows                                 | 1                                                                                              |
| 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                           | 0.762μm                                                                                        |
| Plating min - Termination                      | 2.540μm                                                                                        |
| Polarized to PCB                               | Yes                                                                                            |
| Shrouded                                       | Fully                                                                                          |
| Stackable                                      | No                                                                                             |
| Temperature Range - Operating                  | -40° to +125°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                        | 436500002-PK-000, 708730000-PK-000                                                             |
| Product Specification                          | 436500001-PS-JA-000, 436500001-PS-KO-000,<br>436500001-PS-SP-000, PS-43650-001                 |
| Sales Drawing                                  | SD-43650-008-001                                                                               |
| Symbol/Footprint Data                          | SYM-43650-0221-001                                                                             |
| Test Summary                                   | 430450005-TS-000, 430450006-TS-000,<br>TS-43045-001-001, TS-43045-002-001,<br>TS-46235-001-001 |

This document was generated on 01/03/2022

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex:](#)

[43650-0223](#)