

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: **0436500821**
Status: **Active**
Overview: Micro-Fit Connector System
Description: Micro-Fit 3.0 Vertical Header, 3.00mm Pitch, Single Row, 8 Circuits, with PCB Press-fit Metal Retention Clip, Tin, Glow-Wire Capable, Black, Tape and Reel

Documents:

| | |
|---|--|
| 3D Model (PDF) | Packaging Specification 708730000-PK-000 (PDF) |
| 3D Model | Test Summary 430450004-TS-000 (PDF) |
| Drawing (PDF) | Test Summary TS-43045-001-001 (PDF) |
| Product Specification 436500001-PS-JA-000 (PDF) | Test Summary TS-43045-002-001 (PDF) |
| Product Specification 436500001-PS-KO-000 (PDF) | Test Summary TS-46235-001-001 (PDF) |
| Product Specification 436500001-PS-SP-000 (PDF) | Datasheet (PDF) |
| Product Specification PS-43650-001 (PDF) | Symbol Footprint Data SYM-43650-0821-001 (PDF) |
| Packaging Specification 436500002-PK-000 (PDF) | RoHS Certificate of Compliance (PDF) |

Agency Certification

| | |
|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

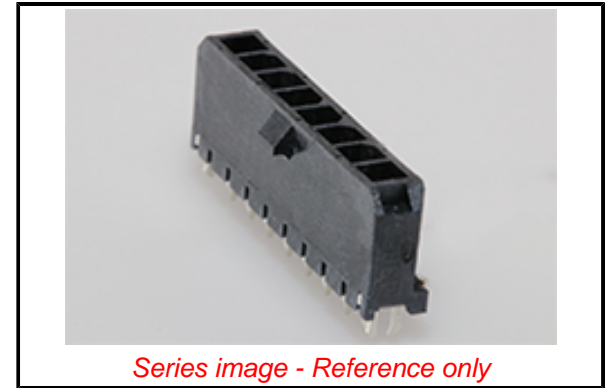
General

| | |
|----------------|---|
| Product Family | PCB Headers |
| Series | 43650 |
| Application | Power, Wire-to-Board |
| Comments | <p>High Temperature Square Pin<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.</p> |

| | |
|--------------|-----------------------------------|
| Overview | <u>Micro-Fit Connector System</u> |
| Product Name | Micro-Fit 3.0 |
| UPC | 800754831543 |

Physical

| | |
|--------------------------------|---------|
| Breakaway | No |
| Circuits (Loaded) | 8 |
| Circuits (maximum) | 8 |
| Color - Resin | Black |
| Durability (mating cycles max) | 30 |
| Flammability | 94V-0 |
| Glow-Wire Capable | Yes |
| Mated Height | 17.27mm |
| Material - Metal | Brass |



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

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

43650 Series

Mates With

Micro-Fit 3.0 Receptacle Housing [43645](#)

Micro-Fit 3.0 TPA Receptacle Housing
[171850](#)
 Micro-Fit 3.0 Cable Assembly
[2147501081](#) , [2147501082](#) , [2147501083](#) ,
[2147511081](#) , [2147511082](#) , [2147511083](#)

| | |
|--------------------------------|--------------------------------|
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 1.508/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 | 2.540µm |
| Plating min - Termination | 2.540µm |
| Polarized to PCB | Yes |
| Shrouded | Fully |
| Stackable | No |
| Temperature Range - Operating | -40° to +105°C |
| Termination Interface: Style | Surface Mount |

Electrical

| | |
|-------------------------------|------|
| Current - Maximum per Contact | 8.5A |
| Voltage - Maximum | 600V |

Solder Process Data

| | |
|--|--------|
| Duration at Max. Process Temperature (seconds) | 030 |
| Lead-free Process Capability | REFLOW |
| Max. Cycles at Max. Process Temperature | 003 |
| Process Temperature max. C | 260 |

Material Info

Reference - Drawing Numbers

| | |
|-------------------------|--|
| Packaging Specification | 436500002-PK-000, 708730000-PK-000 |
| Product Specification | 436500001-PS-JA-000, 436500001-PS-KO-000, 436500001-PS-SP-000, PS-43650-001 |
| Sales Drawing | SD-43650-008-001 |
| Symbol/Footprint Data | SYM-43650-0821-001 |
| Test Summary | 430450004-TS-000, TS-43045-001-001, TS-43045-002-001, TS-46235-001-001 |

This document was generated on 01/04/2022

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Mouser Electronics

Authorized Distributor

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

[Molex:](#)

[43650-0821](#)