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Part Number:

0430450422

Status:

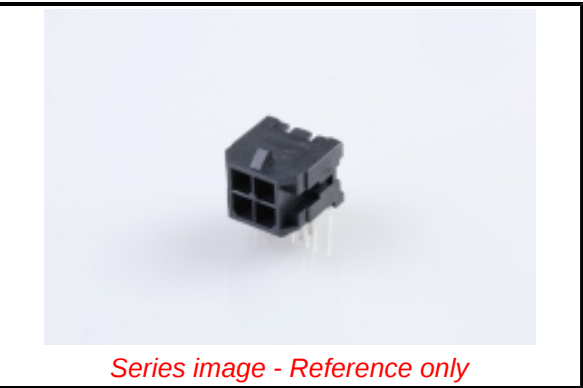
Active

Overview:

Micro-Fit Connector System

Description:

Micro-Fit 3.0 Right-Angle Header, 3.00mm Pitch, Dual Row, 4 Circuits, with PCB Press-fit Metal Retention Clip, Gold, Glow-Wire Capable, Black



Series image - Reference only

|                                                                  |                                                                 |
|------------------------------------------------------------------|-----------------------------------------------------------------|
| Documents:                                                       |                                                                 |
| <a href="#">3D Model</a>                                         | <a href="#">Test Summary 430450006-TS-000 (PDF)</a>             |
| <a href="#">Drawing (PDF)</a>                                    | <a href="#">Test Summary TS-43045-001-001 (PDF)</a>             |
| <a href="#">3D Model (PDF)</a>                                   | <a href="#">Test Summary TS-43045-002-001 (PDF)</a>             |
| <a href="#">Product Specification 430450001-PS-KO-000 (PDF)</a>  | <a href="#">Test Summary TS-46235-001-001 (PDF)</a>             |
| <a href="#">Product Specification 430450001-PS-SP-000 (PDF)</a>  | <a href="#">Datasheet (PDF)</a>                                 |
| <a href="#">Product Specification PS-43045-001 (PDF)</a>         | <a href="#">Symbol Footprint Data SYM-43045-0421-001 (PDF)</a>  |
| <a href="#">Application Specification AS-43045-001-001 (PDF)</a> | <a href="#">Symbol Footprint Data SYM-43045-04213-001 (PDF)</a> |
| <a href="#">Packaging Specification PK-70873-0313-001 (PDF)</a>  | <a href="#">RoHS Certificate of Compliance (PDF)</a>            |

Agency Certification

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

General

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Product Family                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PCB Headers                        |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 43045                              |
| Application                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Power, Wire-to-Board               |
| Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 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. High Temperature |                                    |
| Overview                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Micro-Fit Connector System         |
| Product Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Micro-Fit 3.0                      |
| UPC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 800753813076                       |

Physical

|                                |         |
|--------------------------------|---------|
| Breakaway                      | No      |
| Circuits (Loaded)              | 4       |
| Circuits (maximum)             | 4       |
| Color - Resin                  | Black   |
| Durability (mating cycles max) | 30      |
| Flammability                   | 94V-0   |
| Glow-Wire Capable              | Yes     |
| Mated Height                   | 10.06mm |

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      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | 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](#) <br> Micro-Fit 3.0 Cable Assembly  
[214755](#) , [214756](#)

|                                                |                                                                           |
|------------------------------------------------|---------------------------------------------------------------------------|
| Material - Metal                               | Brass                                                                     |
| Material - Plating Mating                      | Gold                                                                      |
| Material - Plating Termination                 | Tin                                                                       |
| Material - Resin                               | High Temperature Thermoplastic                                            |
| Net Weight                                     | 0.910/g                                                                   |
| Number of Rows                                 | 2                                                                         |
| 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                           | 0.381µm                                                                   |
| 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>             |                                                                           |
| Application Specification                      | AS-43045-001-001                                                          |
| Packaging Specification                        | PK-70873-0313-001                                                         |
| Product Specification                          | 430450001-PS-KO-000, 430450001-PS-SP-000,<br>PS-43045-001                 |
| Sales Drawing                                  | SD-43045-008-000                                                          |
| Symbol/Footprint Data                          | SYM-43045-0421-001, SYM-43045-0421_3-001                                  |
| Test Summary                                   | 430450006-TS-000, TS-43045-001-001,<br>TS-43045-002-001, TS-46235-001-001 |

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