

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0430310003](#)  
**Status:** **Active**  
**Overview:** [Micro-Fit Connector System](#)  
**Description:** Micro-Fit 3.0 Crimp Terminal, Male, with 0.76µm Select Gold (Au) Plated Phosphor Bronze Contact, 20-24 AWG, Reel

**Documents:**

|   |  |
|---|--|
| <a href="#">Drawing (PDF)</a>                                   | <a href="#">Test Summary 430450006-TS-000 (PDF)</a>  |
| <a href="#">Product Specification 430450001-PS-KO-000 (PDF)</a> | <a href="#">Test Summary TS-43045-001-001 (PDF)</a>  |
| <a href="#">Product Specification 430450001-PS-SP-000 (PDF)</a> | <a href="#">Test Summary TS-43045-002-001 (PDF)</a>  |
| <a href="#">Product Specification PS-43045-001 (PDF)</a>        | <a href="#">Test Summary TS-46235-001-001 (PDF)</a>  |
| <a href="#">Packaging Specification PK-43031-001-001 (PDF)</a>  | <a href="#">Datasheet (PDF)</a>                      |
| <a href="#">Test Summary 430450005-TS-000 (PDF)</a>             | <a href="#">RoHS Certificate of Compliance (PDF)</a> |

**General**

|                         |  |
|-------------------------|--|
| Product Family          | Crimp Terminals                            |
| Series                  | 43031                                      |
| Application             | Power, Wire-to-Wire                        |
| Crimp Quality Equipment | Yes  |
| Overview                | <a href="#">Micro-Fit Connector System</a> |
| Packaging Alternative   | <a href="#">430310009 (Loose)</a>          |
| Product Name            | Micro-Fit 3.0                              |
| Taxonomy                | Crimp Terminals                            |
| UPC                     | 800754369435                               |

**Physical**

|                                |                      |
|--------------------------------|----------------------|
| Gender                         | Male                 |
| Material - Metal               | Phosphor Bronze      |
| Material - Plating Mating      | Gold                 |
| Material - Plating Termination | Tin                  |
| Net Weight                     | 0.060/g              |
| Packaging Type                 | Reel                 |
| Plating min - Mating           | 0.762µm              |
| Plating min - Termination      | 2.540µm              |
| Termination Interface: Style   | Crimp or Compression |
| Wire Insulation Diameter       | 1.85mm max.          |
| Wire Size AWG                  | 20, 22, 24           |
| Wire Size mm <sup>2</sup>      | N/A                  |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 8.5A |
|-------------------------------|------|

**Solder Process Data**

|                              |     |
|------------------------------|-----|
| Lead-free Process Capability | N/A |
|------------------------------|-----|

**Material Info**

**Reference - Drawing Numbers**

|                         |  |
|-------------------------|--|
| Packaging Specification | PK-43031-001-001   |
| Product Specification   | 430450001-PS-KO-000, 430450001-PS-SP-000, PS-43045-001                                   |
| Sales Drawing           | SD-43031-XXXX-001  |
| Test Summary            | 430450005-TS-000, 430450006-TS-000, TS-43045-001-001, TS-43045-002-001, TS-46235-001-001 |



*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

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[43031 Series](#)

**Use With**

Micro-Fit 3.0 Plug Housings [43020](#) , [43640](#)  
<br>Micro-Fit BMI Plug Housings [44300](#) ,  
[46625](#)

**Application Tooling | FAQ**

*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

**Global**

| Description | Product # |
|-------------|-----------|
|-------------|-----------|

|   |                          |
|---|--------------------------|
| Extraction Tool for Micro-Fit Terminals | <a href="#">11030043</a> |
|---|--------------------------|

|   |                           |
|---|---------------------------|
| Insertion Tool for Micro-Fit 3.0 and CRC Male and Female Crimp Terminals, 20-30 AWG | <a href="#">638120800</a> |
|---|---------------------------|

PremiumGrade Hand638190000  
Crimp Tool for Micro-  
Fit 3.0 Terminals,  
20-30 AWG  
FineAdjust Applicator639004500  
for Insulation OD  
1.30-1.85mm, 20-24  
AWG Wire  
FineAdjust Applicator639018800  
for Insulation OD  
1.10-1.30mm - 20-24  
AWG  
FineAdjust Applicator639018900  
for Micro-Fit 3.0  
Terminals, for 20-24  
AWG Wire with  
Insulation Diameter  
0.91-1.09mm  
T2 Terminator 639104500  
for Insulation OD  
1.30-1.85mm, 20-24  
AWG  
T2 Terminator 639118800  
for insulation OD  
1.10-1.30mm - 20-24  
AWG  
T2 Terminator 639118900  
for insulation OD  
0.91-1.09mm - 20-24  
AWG

**Japan**

| <b>Description</b>  | <b>Product #</b> |
|---|------------------|
| S-1 Applicator for<br>Micro-Fit 3.0 Plug<br>and Receptacle<br>Crimp Terminals,<br>20-24 AWG | <u>572983700</u> |

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