

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0430452225

Status:

Active

Overview:

microfit\_30

Description:

3.00mm (.118") Pitch Micro-Fit 3.0™ Header, Surface Mount Compatible, Dual Row, Vertical, with Press-fit Metal Retention Clip, 22 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating, Glow Wire Compatible

Documents:

3D Model

Drawing (PDF)

Product Specification PS-43045 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

|     |           |
|-----|-----------|
| CSA | LR19980   |
| TUV | R72081037 |
| UL  | E29179    |

General

|                             |                                                                      |
|-----------------------------|----------------------------------------------------------------------|
| Product Family              | PCB Headers                                                          |
| Series                      | 43045                                                                |
| Application                 | Wire-to-Board                                                        |
| Comments                    | High Temperature Square Pin Offset Through Hole Mounting Solder Type |
| Overview                    | microfit_30                                                          |
| Product Literature Order No | USA-106                                                              |
| Product Name                | Micro-Fit 3.0™                                                       |

Physical

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 22                             |
| Circuits (maximum)             | 22                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 30                             |
| Flammability                   | 94V-0                          |
| Glow-Wire Compliant            | Yes                            |
| Mated Height (in)              | 0.680 In                       |
| Mated Height (mm)              | 17.27 mm                       |
| Material - Metal               | Brass                          |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Number of Rows                 | 2                              |
| Orientation                    | Vertical                       |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| PCB Thickness Recommended (in) | 0.062 In                       |
| PCB Thickness Recommended (mm) | 1.60 mm                        |
| Packaging Type                 | Tray                           |
| Pitch - Mating Interface (in)  | 0.118 In                       |
| Pitch - Mating Interface (mm)  | 3.00 mm                        |
| Plating min: Mating (µin)      | 15                             |
| Plating min: Mating (µm)       | 0.38                           |
| Plating min: Termination (µin) | 100                            |
| Plating min: Termination (µm)  | 2.50                           |
| Polarized to PCB               | Yes                            |
| Shrouded                       | Fully                          |
| Stackable                      | No                             |

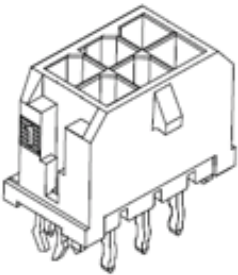


image - Reference only

Series

**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Halogen-Free**  
**Status**  
**Halogen-Free**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**  
43045Series

**Mates With**  
43025

|                                |                           |
|--------------------------------|---------------------------|
| Surface Mount Compatible (SMC) | Yes                       |
| Temperature Range - Operating  | -40°C to +105°C           |
| Termination Interface: Style   | Through Hole - Kinked Pin |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 5A   |
| Voltage - Maximum             | 250V |

**Solder Process Data**

|                                                |                              |
|------------------------------------------------|------------------------------|
| Duration at Max. Process Temperature (seconds) | 30                           |
| Lead-free Process Capability                   | SMC & Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature        | 3                            |
| Process Temperature max. C                     | 260                          |

**Material Info**

**Reference - Drawing Numbers**

|                         |                                        |
|-------------------------|----------------------------------------|
| Packaging Specification | PK-70873-0314                          |
| Product Specification   | PS-43045, RPS-43045-003, RPS-43045-004 |
| Sales Drawing           | SD-43045-009                           |
| Test Summary            | TS-43045-001, TS-43045-002             |

This document was generated on 05/24/2010

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

