

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0430450227](#)

Status: **Active**

Overview:

Description: 3.00mm (.118") Pitch Micro-Fit 3.0™ Header, Surface Mount Compatible, Dual Row, Vertical, with PCB Polarizing Peg, 2 Circuits, Tin (Sn) Plating, Glow Wire Compatible

Documents:

[Drawing \(PDF\)](#)

[Packaging Specification \(PDF\)](#)

[3D Model](#)

[Product Literature \(PDF\)](#)

[Product Specification PS-43045 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

General

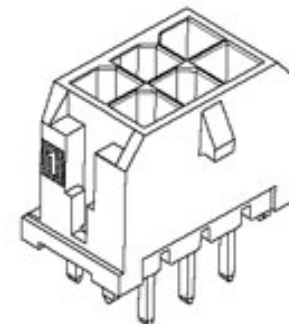
| | |
|----------------|-----------------------|
| Product Family | PCB Headers |
| Series | 43045 |
| Application | Wire-to-Board |
| Overview | Micro-Fit, 3.0™ |
| Product Name | Micro-Fit 3.0™ |

Physical

| | |
|--------------------------------|--------------------------------|
| Breakaway | No |
| Circuits (Loaded) | 2 |
| Circuits (maximum) | 2 |
| Color - Resin | Black |
| Durability (mating cycles max) | 30 |
| Flammability | 94V-0 |
| Glow-Wire Compliant | Yes |
| Lock to Mating Part | Yes |
| Mated Height (in) | 0.680 In |
| Mated Height (mm) | 17.27 mm |
| Material - Metal | Brass |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Number of Rows | 2 |
| Orientation | Vertical |
| PC Tail Length (in) | 0.125 In |
| PC Tail Length (mm) | 3.18 mm |
| PCB Locator | Yes |
| PCB Retention | None |
| 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) | 100 |
| Plating min: Mating (µm) | 2.5 |
| Plating min: Termination (µin) | 100 |
| Plating min: Termination (µm) | 2.5 |
| Polarized to PCB | Yes |
| Shrouded | Fully |
| Stackable | No |
| Surface Mount Compatible (SMC) | Yes |
| Temperature Range - Operating | -40°C to +105°C |
| Termination Interface: Style | Through Hole |

Electrical

| | |
|-----|---------|
| CSA | LR19980 |
|-----|---------|



Series image - Reference only

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

Search Parts in this Series

[43045 Series](#)

Mates With

[43025](#)

| | |
|-------------------|-----------|
| Current - Maximum | 5A |
| TUV | R72081037 |
| UL | E29179 |
| 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**

| | |
|-----------------------|---------------|
| Product Specification | PS-43045 |
| Product Specification | RPS-43045-003 |
| Product Specification | RPS-43045-004 |
| Sales Drawing | SD-43045-010 |

This document was generated on 11/05/2009

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION