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Part Number:

0449140201

Status:

Active

Overview:

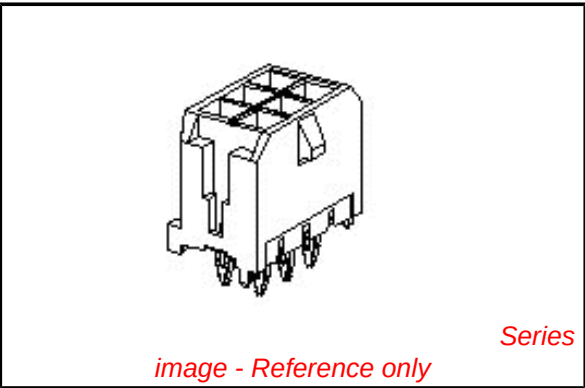
microfit\_30

Description:

3.00mm (.118") Pitch Micro-Fit 3.0 CPI™ Header, Compliant Pin Interface, Dual Row, Vertical, 2 Circuits, Tin (Sn) Plating, Glow Wire Compatible

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| Documents:                    |                                                      |
| <a href="#">3D Model</a>      | <a href="#">Product Specification PS-43045 (PDF)</a> |
| <a href="#">Drawing (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a> |

|                                |                                                                                           |
|--------------------------------|-------------------------------------------------------------------------------------------|
| Agency Certification           |                                                                                           |
| CSA                            | LR19980                                                                                   |
| TUV                            | R72081037                                                                                 |
| UL                             | E29179                                                                                    |
| General                        |                                                                                           |
| Product Family                 | PCB Headers                                                                               |
| Series                         | 44914                                                                                     |
| Application                    | Wire-to-Board                                                                             |
| Application Tooling Part Link  | 622008400                                                                                 |
| Comments                       | Glow Wire Equivalent Part Number <a href="#">449140201</a> . High Temperature, Square Pin |
| Overview                       | <a href="#">microfit_30</a>                                                               |
| Product Literature Order No    | USA-106                                                                                   |
| Product Name                   | Micro-Fit 3.0 CPI™                                                                        |
| Physical                       |                                                                                           |
| Breakaway                      | No                                                                                        |
| Circuits (Loaded)              | 2                                                                                         |
| Circuits (maximum)             | 2                                                                                         |
| Color - Resin                  | Black                                                                                     |
| Durability (mating cycles max) | 30                                                                                        |
| Flammability                   | 94V-0                                                                                     |
| Glow-Wire Compliant            | Yes                                                                                       |
| Material - Metal               | High Performance Alloy (HPA)                                                              |
| Material - Plating Mating      | Tin                                                                                       |
| Material - Plating Termination | Tin                                                                                       |
| Material - Resin               | High Temperature Thermoplastic                                                            |
| Number of Rows                 | 2                                                                                         |
| Orientation                    | Vertical                                                                                  |
| PCB Locator                    | Yes                                                                                       |
| PCB Retention                  | Yes                                                                                       |
| Packaging Type                 | Tray                                                                                      |
| Pitch - Mating Interface (in)  | 0.118 In                                                                                  |
| Pitch - Mating Interface (mm)  | 3.00 mm                                                                                   |
| Plating min: Mating (µin)      | 200                                                                                       |
| Plating min: Mating (µm)       | 5                                                                                         |
| Plating min: Termination (µin) | 200                                                                                       |
| Plating min: Termination (µm)  | 5                                                                                         |
| Polarized to PCB               | Yes                                                                                       |
| Shrouded                       | Fully                                                                                     |
| Stackable                      | No                                                                                        |
| Surface Mount Compatible (SMC) | No                                                                                        |
| Temperature Range - Operating  | -40°C to +105°C                                                                           |
| Termination Interface: Style   | Through Hole - Compliant Pin                                                              |



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

44914Series

Mates With

43025-0200

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 #                  |
|---------------------|----------------------------|
| Micro-Fit™          | <a href="#">0622008400</a> |
| Compliant Pin       |                            |
| Insertion Flat Rock |                            |
| Tool                |                            |

**Electrical**

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

**Material Info**

**Reference - Drawing Numbers**

|                         |                                        |
|-------------------------|----------------------------------------|
| Packaging Specification | PK-70873-0314                          |
| Product Specification   | PS-43045, RPS-43045-003, RPS-43045-004 |
| Sales Drawing           | SD-44914-001                           |

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