



Part Number : 430251608

Series Number : 43025

Product Category : Connector Housings

Product Description : Micro-Fit 3.0 Receptacle Housing, Dual Row, 16 Circuits, UL 94V-0, Low-Halogen Since Inception, Black

Status : Active

Documents & Resources

Drawings

Drawing 430251608\_sd.pdf

3D Models and Design Files

3D Model 430251608\_stp.zip

Specifications

- Application Specification 430250000-AS-000.pdf
- Packaging Specification PK-43025-001-001.pdf
- Product Specification 430450001-PS-KO-000.pdf
- Product Specification 430450001-PS-SP-000.pdf
- Product Specification PS-43045-001.pdf
- Test Summary 430450005-TS-000.pdf
- Test Summary TS-43045-001-001.pdf
- Test Summary TS-43045-003-001.pdf
- Test Summary TS-46235-001-001.pdf

Product Environment Compliance

Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                          |
| China RoHS         |  |
| EU ELV             | Not Relevant                                                                          |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                                                        |
| REACH SVHC         | Not Contained per D(2024)4144-DC (27 June 2024)                                       |
| EU RoHS            | Compliant per EU 2015/863                                                             |

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

## Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## EU RoHS Certificate of Compliance

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### Part Details

#### General

|                |                                                                                                       |
|----------------|-------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                |
| Category       | Connector Housings                                                                                    |
| Series         | 43025                                                                                                 |
| Description    | Micro-Fit 3.0 Receptacle Housing, Dual Row, 16 Circuits, UL 94V-0, Low-Halogen Since Inception, Black |
| Application    | Power, Wire-to-Board, Wire-to-Wire                                                                    |
| Comments       | Halogen Free/Low Halogen since inception                                                              |
| Product Family | Micro-Fit Connector System                                                                            |
| Product Name   | Micro-Fit 3.0                                                                                         |
| UPC            | 883906102203                                                                                          |

#### Agency

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

#### Physical

|                       |            |
|-----------------------|------------|
| Circuits (maximum)    | 16         |
| Color - Resin         | Black      |
| Flammability          | 94V-0      |
| Gender                | Receptacle |
| Glow-Wire Capable     | No         |
| Keying to Mating Part | None       |
| Lock to Mating Part   | Yes        |
| Material - Resin      | Nylon      |
| Net Weight            | 1.368/g    |

|                               |                |
|-------------------------------|----------------|
| Number of Rows                | 2              |
| Packaging Type                | Bag            |
| Panel Mount                   | No             |
| Pitch - Mating Interface      | 3.00mm         |
| Polarized to Mating Part      | Yes            |
| Stackable                     | No             |
| Temperature Range - Operating | -40° to +105°C |

## Solder Process Data

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

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## Mates With / Use With

### Mates with Part(s)

| Description                          | Part Number                  |
|--------------------------------------|------------------------------|
| Micro-Fit 3.0 Dual Row Plug Housings | <u><a href="#">43020</a></u> |
| Micro-Fit 3.0 Dual Row Headers       | <u><a href="#">43045</a></u> |
| Micro-Fit 3.0 Dual Row Test Plugs    | <u><a href="#">44242</a></u> |

### Use with Part(s)

| Description                                                                                                      | Part Number                                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pre-Crimped Lead Micro-Fit 3.0 Female-to-Micro-Fit 3.0 Female, Tin (Sn) Plating, 150.00mm Length, 20 AWG, Black  | <u><a href="/content/molex/molex-dot-com/us/en/products/product-page-pdf.html/797580002.html">/content/molex/molex-dot-com/us/en/products/product-page-pdf.html/797580002.html</a></u> |
| Pre-Crimped Lead Micro-Fit 3.0 Female-to-Micro-Fit 3.0 Female, Gold (Au) Plating, 150.00mm Length, 20 AWG, Black | <u><a href="/content/molex/molex-dot-com/us/en/products/product-page-pdf.html/797580004.html">/content/molex/molex-dot-com/us/en/products/product-page-pdf.html/797580004.html</a></u> |
| Pre-Crimped Lead Micro-Fit 3.0 Female-to-Micro-Fit 3.0 Female, Tin (Sn) Plating, 300.00mm Length, 20 AWG, Black  | <u><a href="/content/molex/molex-dot-com/us/en/products/product-page-pdf.html/797580010.html">/content/molex/molex-dot-com/us/en/products/product-page-pdf.html/797580010.html</a></u> |
| Pre-Crimped Lead Micro-Fit 3.0 Female-to-Micro-Fit 3.0 Female, Gold (Au) Plating, 300.00mm Length, 20 AWG, Black | <u><a href="/content/molex/molex-dot-com/us/en/products/product-page-pdf.html/797580012.html">/content/molex/molex-dot-com/us/en/products/product-page-pdf.html/797580012.html</a></u> |
| Micro-Fit 3.0 Female Crimp Terminals                                                                             | <u><a href="#">43030</a></u>                                                                                                                                                           |

|                                                                  |               |
|------------------------------------------------------------------|---------------|
| Micro-Fit 3.0 Female Crimp<br>Terminals with Lubricant           | <u>45773</u>  |
| Micro-Fit Reduced Mating Force<br>Female Crimp Terminals         | <u>46235</u>  |
| Pre-Crimped Lead Micro-Fit 3.0<br>Female-to-Micro-Fit 3.0 Female | <u>214760</u> |
| Pre-Crimped Lead Micro-Fit 3.0<br>Female-to-Pigtail              | <u>214761</u> |

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