



**Part Number :** 2169453012

**Series Number :** 216945

**Product Category :** Connector Housings

**Product Description :** Ultra-Fit Plug Housing, 3.50mm Pitch, Dual Row, 12 Circuits, Black, Glow-Wire Capable

**Status :** Active

Documents & Resources

**Drawings**  
Drawing 2169453012\_sd.pdf  
Packaging Design Drawing 2169451000-PK-000.pdf

**3D Models and Design Files**  
3D Model 2169453012\_stp.zip

**Specifications**  
Application Specification 1723230003-000.pdf  
Product Specification 2169461000-PS-000.pdf  
Test Summary 2169460001-TS-000.pdf

Product Environment Compliance

Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                          |
| China RoHS         |  |
| EU ELV             | Not Relevant                                                                          |
| Low-Halogen Status | Not 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         | 216945                                                                                |
| Description    | Ultra-Fit Plug Housing, 3.50mm Pitch, Dual Row, 12 Circuits, Black, Glow-Wire Capable |
| Application    | Power, Wire-to-Wire                                                                   |
| Product Family | Ultra-Fit Power Connectors                                                            |
| Product Name   | Ultra-Fit                                                                             |
| UPC            | 195842152854                                                                          |

#### Agency

|    |        |
|----|--------|
| UL | E29179 |
|----|--------|

#### Physical

|                               |           |
|-------------------------------|-----------|
| Circuits (maximum)            | 12        |
| Color - Resin                 | Black     |
| Flammability                  | 94V-0     |
| Gender                        | Plug      |
| Glow-Wire Capable             | Yes       |
| Keying to Mating Part         | Yes       |
| Lock to Mating Part           | Yes       |
| Material - Resin              | Polyamide |
| Net Weight                    | 3.490/g   |
| Number of Rows                | 2         |
| Packaging Type                | Bag       |
| Panel Mount                   | No        |
| Pitch - Mating Interface      | 3.50mm    |
| Pitch - Termination Interface | 3.50mm    |

|                               |                                |
|-------------------------------|--------------------------------|
| Polarized to Mating Part      | Yes                            |
| Temperature Range - Operating | -40° to +105°C, -40° to +120°C |

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## Mates With / Use With

### Mates with Part(s)

| Description                                                                                          | Part Number       |
|------------------------------------------------------------------------------------------------------|-------------------|
| Ultra-Fit Tangless Receptacle Housing, 3.50mm Pitch, Dual Row, 12 Circuits, Black, Glow-Wire Capable | <u>1722583112</u> |

### Use with Part(s)

| Description                                                                             | Part Number                                                                                                                                                                              |
|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ultra-Fit Tangless Terminal Position Assurance (TPA), 3.50mm Pitch, 6 Circuits, Natural | <u><a href="/content/molex/molex-dot-com/us/en/products/product-page-pdf.html/1722644006.html">/content/molex/molex-dot-com/us/en/products/product-page-pdf.html/1722644006.html</a></u> |
| Ultra-Fit Male Crimp Terminals                                                          | <u>216946</u>                                                                                                                                                                            |