# molex

**Part Number :** 2014441104

**Product Description :** Nano-Fit Plug Housing, TPA Capable, 2.50mm Pitch, Dual Row, 4 Circuits, Black, Glow-Wire Capable

**Series Number :** 201444

**Status :** Active

**Product Category :** Connector Housings

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## Documents & Resources

### Drawings
Drawing  2014441104_sd.pdf
Packaging Design Drawing  2014441000-PK-000.pdf

### 3D Models and Design Files
3D Model  2014441104_stp.zip

### Specifications
Application Specification  AS-105300-100-001.pdf
Product Specification  2014471000-PS-000.pdf
Test Summary  2014471000-TS-000.pdf

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## 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)

<u>EU RoHS Certificate of Compliance</u>

# Part Details

## General

| Status | Active |
|---|---|
| Category | Connector Housings |
| Series | 201444 |
| Description | Nano-Fit Plug Housing, TPA Capable, 2.50mm Pitch, Dual Row, 4 Circuits, Black, Glow-Wire Capable |
| Application | Power, Wire-to-Wire |
| Product Family | Nano-Fit Power Connectors |
| Product Name | Nano-Fit |
| UPC | 191130026517 |

## Agency

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

## Physical

| Circuits (maximum) | 4 |
|---|---|
| Color - Resin | Black |
| Flammability | 94V-0 |
| Gender | Plug |
| Glow-Wire Capable | Yes |
| Keying to Mating Part | Yes |
| Lock to Mating Part | Yes |
| Material - Resin | Nylon |
| Net Weight | 0.574/g |
| Number of Rows | 2 |
| Packaging Type | Bag |
| Panel Mount | No |
| Pitch - Mating Interface | 2.50mm |

| Pitch - Termination Interface | 2.50mm |
|---|---|
| Polarized to Mating Part | Yes |
| Temperature Range - Operating | -40° to +105°C, -40° to +115°C |

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Dual Row, 4 Circuits, Black, Glow-Wire Capable | 1053081204 |
| Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Cable Assembly, Dual Row, 150.00mm Length, 4 Circuits, Black | 451300401 |
| Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Cable Assembly, Dual Row, 300.00mm Length, 4 Circuits, Black | 451300403 |
| Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Cable Assembly, Dual Row, 1.0m Length, 4 Circuits, Black | 451300410 |
| Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Overmolded Cable Assembly, Dual Row, Matte Tin (Sn) Plating, 500.00mm Length, 4 Circuits, Black | 2451300405 |
| Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Overmolded Cable Assembly, Dual Row, Matte Tin (Sn) Plating, 1.0m Length, 4 Circuits, Black | 2451300410 |
| Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Overmolded Cable Assembly, Dual Row, Matte Tin (Sn) Plating, 2.0m Length, 4 Circuits, Black | 2451300420 |
| Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Overmolded Cable Assembly, Dual Row, Matte Tin (Sn) Plating, 3.0m Length, 4 Circuits, Black | 2451300430 |
| Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Overmolded Cable Assembly, Dual Row, Matte Tin (Sn) Plating, 5.0m Length, 4 Circuits, Black | 2451300450 |

### Use with Part(s)

| Description | Part Number |
|---|---|
| Nano-Fit Male Crimp Terminals | 201447 |

| Nano-Fit Terminal Position Assurance (TPA) Retainers | 105325 |
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