**Part Number :** 2002771205
**Product Description :** Nano-Fit Plug Housing, TPA Capable, 2.50mm Pitch, Single Row, 5 Circuits, Black, Panel Mount, Glow-Wire Capable
**Series Number :** 200277
**Status :** Active
**Product Category :** Connector Housings



## Documents & Resources

### Drawings

2002771205_sd.pdf

2002771000-PK-000.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

### Specifications

AS-105300-100-001.pdf

2014471000-PS-000.pdf

2014471000-TS-000.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Not Relevant |
| China RoHS | per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2025)4165-DC (25 June 2025) |
| EU RoHS | Compliant per EU 2015/863 |

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

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

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

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## Part Details

### General

| | |
|---|---|
| Status | Active |
| Category | Connector Housings |
| Series | 200277 |
| Description | Nano-Fit Plug Housing, TPA Capable, 2.50mm Pitch, Single Row, 5 Circuits, Black, Panel Mount, Glow-Wire Capable |
| Application | Power, Wire-to-Wire |
| Product Name | Nano-Fit |
| UPC | 191130030200 |

### Agency

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

### Physical

| | |
|---|---|
| Circuits (maximum) | 5 |
| Color - Resin | Black |
| Gender | Plug |
| Glow-Wire Capable | Yes |

| | |
|---|---|
| Keying to Mating Part | Yes |
| Lock to Mating Part | Yes |
| Material - Resin | Nylon |
| Net Weight | 0.950/g |
| Number of Rows | 1 |
| Packaging Type | Bag |
| Panel Mount | Yes |
| Pitch - Mating Interface | 2.50mm |
| Pitch - Termination Interface | 2.50mm |
| Polarized to Mating Part | Yes |
| Temperature Range - Operating | -40° to +125°C |

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## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Single Row, 5 Circuits, Black, Glow-Wire Capable | 1053071205 |
| Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Cable Assembly, Single Row, Matte Tin (Sn) Plating, 75.00mm Length, 5 Circuits, Black | 1451300500 |
| Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Cable Assembly, Single Row, Matte Tin (Sn) Plating, 150.00mm, 5 Circuits, Black | 1451300501 |
| Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Cable Assembly, Single Row, Matte Tin (Sn) Plating, 300.00mm, 5 Circuits, Black | 1451300503 |
| Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Cable Assembly, Single Row, Matte Tin (Sn) Plating, 1.0m Length, 5 Circuits, Black | 1451300510 |

### Use with Part(s)

| Description | Part Number |
|---|---|
| | |

| | |
|---|---|
| Nano-Fit Male Crimp Terminals | 201447 |
| Nano-Fit Terminal Position Assurance (TPA) Retainers | 105325 |