



Part Number : [2002771105](#)

Product Description : Nano-Fit Plug Housing, TPA Capable, 2.50mm Pitch, Single Row, 5 Circuits, Black, Glow-Wire Capable

Series Number : 200277

Status : Active

Product Category : Connector Housings



Documents and Resources

Drawings

[2002771105_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 | Contains 1,1'-(Ethane-1,2-diyl)bis[pentabromobenzene] per D(2025)7771-DC (04 Feb 2026) |
| 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

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, Glow-Wire Capable |
| Application | Power, Wire-to-Wire |
| Product Name | Nano-Fit |
| UPC | 191130030132 |

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 | 0.754/g |
| Number of Rows | 1 |
| 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 +125°C |

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 | <u>1053071205</u> |
| Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Cable Assembly, Single Row, Matte Tin (Sn) Plating, 75.00mm Length, 5 Circuits, Black | <u>1451300500</u> |
| Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Cable Assembly, Single Row, Matte Tin (Sn) Plating, 150.00mm, 5 Circuits, Black | <u>1451300501</u> |
| Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Cable Assembly, Single Row, Matte Tin (Sn) Plating, 300.00mm, 5 Circuits, Black | <u>1451300503</u> |
| Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Cable Assembly, Single Row, Matte Tin (Sn) Plating, 1.0m Length, 5 Circuits, Black | <u>1451300510</u> |

Use with Part(s)

| Description | Part Number |
|--|---------------|
| Nano-Fit Male Crimp Terminals | <u>201447</u> |
| Nano-Fit Terminal Position Assurance (TPA) Retainers | <u>105325</u> |

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