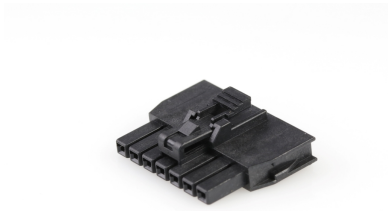




Part Number : [1053071207](#)
Product Description : Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Single Row, 7 Circuits, Black, Glow-Wire Capable
Series Number : [105307](#)
Status : Active
Product Category : [Connector Housings](#)



Documents & Resources

Drawings

[1053071207_sd.pdf](#)
[PK-105307-100-000.pdf](#)

3D Models and Design Files


[1053071207_stp.zip](#)

Specifications

[AS-105300-100-001.pdf](#)
[1053001000-PS-CH-000.pdf](#)
[1053001000-PS-ES-000.pdf](#)
[1053001000-PS-JP-000.pdf](#)
[1053001000-PS-SK-000.pdf](#)
[PS-105300-100-001.pdf](#)
[1053000000-TS-000.pdf](#)
[1053001000-TS-000.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)6225-DC (07 Nov 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

Part Details

General

| | |
|--------------|--|
| Status | Active |
| Category | Connector Housings |
| Series | 105307 |
| Description | Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Single Row, 7 Circuits, Black, Glow-Wire Capable |
| Application | Power, Wire-to-Board, Wire-to-Wire |
| Comments | Operating temperature is -40° to +105° for tin and -40° to +115° for gold |
| Product Name | Nano-Fit |
| UPC | 889056026482 |

Agency

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

Physical

| | |
|-----------------------|------------|
| Circuits (maximum) | 7 |
| Color - Resin | Black |
| Flammability | 94V-0 |
| Gender | Receptacle |
| Glow-Wire Capable | Yes |
| Keying to Mating Part | Yes |

| | |
|-------------------------------|----------------|
| Lock to Mating Part | Yes |
| Material - Resin | Nylon |
| Net Weight | 0.760/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 Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 7 Circuits, with Kinked Pins, Tin (Sn) Plating, Black, Glow-Wire Capable, Tray | <u>1053091107</u> |
| Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 7 Circuits, with Kinked Pins, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray | <u>1053091207</u> |
| Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 7 Circuits, with Kinked Pins, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray | <u>1053091307</u> |
| Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 7 Circuits, with Kinked Pins, 0.76µm Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable, Tray | <u>1053091407</u> |
| Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 7 Circuits, with Solder Clips, Tin (Sn) Plating, Black, Glow-Wire Capable, Tray | <u>1053111107</u> |
| Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 7 Circuits, with Solder Clips, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray | <u>1053111207</u> |

| | |
|---|-------------------|
| Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 7 Circuits, with Solder Clips, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray | <u>1053111307</u> |
| Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Single Row, 7 Circuits, 0.76µm Tin (Sn) Plating, Black, Glow-Wire Capable | <u>1054311107</u> |
| Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Single Row, 7 Circuits, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable | <u>1054311207</u> |
| Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Single Row, 7 Circuits, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable | <u>1054311307</u> |
| Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Single Row, 7 Circuits, 0.76µm Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable | <u>1054311407</u> |
| Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Single Row, 7 Circuits, Tin (Sn) Plating, Black, Glow-Wire Capable, Tray | <u>1053131107</u> |
| Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Single Row, 7 Circuits, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray | <u>1053131207</u> |
| Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Single Row, 7 Circuits, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray | <u>1053131307</u> |
| Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Single Row, 7 Circuits, 0.76µm Tin (Sn) Plating, Black, Glow-Wire Capable | <u>1054301107</u> |
| Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Single Row, 7 Circuits, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable | <u>1054301207</u> |
| Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Single Row, 7 Circuits, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable | <u>1054301307</u> |

| | |
|--|-------------------|
| Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Single Row, 7 Circuits, 0.76µm Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable | <u>1054301407</u> |
| Nano-Fit Plug Housing, TPA Capable, 2.50mm Pitch, Single Row, 7 Circuits, Black, Glow-Wire Capable | <u>2002771107</u> |
| Nano-Fit Plug Housing, TPA Capable, 2.50mm Pitch, Single Row, 7 Circuits, Black, Panel Mount, Glow-Wire Capable | <u>2002771207</u> |

Use with Part(s)

| Description | Part Number |
|---|-------------------|
| Nano-Fit Connector Position Assurance (CPA) Retainer, UL 94V-0, Red | <u>2171401000</u> |
| Pre-Crimped Lead Nano-Fit Female-to-Nano-Fit Female, Gold (Au) Plating, 150.00mm Length, 20 AWG, Black | <u>797582129</u> |
| Pre-Crimped Lead Nano-Fit Female-to-Nano-Fit Female, Gold (Au) Plating, 300.00mm Length, 20 AWG, Black | <u>797582130</u> |
| Pre-Crimped Lead Nano-Fit Female-to-Nano-Fit Female, Matte Tin (Sn) Plating, 150.00mm Length, 20 AWG, Black | <u>797582139</u> |
| Pre-Crimped Lead Nano-Fit Female-to-Nano-Fit Female, Matte Tin (Sn) Plating, 300.00mm Length, 20 AWG, Black | <u>797582140</u> |
| Nano-Fit Female Crimp Terminals | <u>105300</u> |
| Nano-Fit Terminal Position Assurance (TPA) Retainers | <u>105325</u> |

Application Tooling

Global

| Description | Part Number |
|--|------------------|
| Extraction Tool for Nano-Fit Power Connectors and Crimp Terminals, 26-20 AWG | <u>638244600</u> |

