



**Part Number :** [1053081204](#)

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

**Series Number :** 105308

**Status :** Active

**Product Category :** Connector Housings



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## Documents and Resources

### Drawings

[1053081204\\_sd.pdf](#)

[PK-105308-100-000.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

### 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](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant

Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained 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	105308
Description	Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Dual Row, 4 Circuits, Black, Glow-Wire Capable
Application	Power, Wire-to-Board, Wire-to-Wire
Product Name	Nano-Fit
UPC	889056023719

### Agency

CSA	LR19980
UL	E29179

## Physical

Circuits (maximum)	4
Color - Resin	Black
Gender	Receptacle
Glow-Wire Capable	Yes
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Resin	Nylon
Net Weight	0.460/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 +125°C

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
Nano-Fit Test Plug, Dual Row, 4 Circuits	<a href="#">2251481104</a>
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 4 Circuits, with Kinked Pins, Tin (Sn) Plating, Black, Glow-Wire Capable, Tray	<a href="#">1053101104</a>
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 4 Circuits, with Kinked Pins, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	<a href="#">1053101204</a>
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 4 Circuits, with Kinked Pins, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	<a href="#">1053101304</a>

Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 4 Circuits, with Kinked Pins, 0.76µm Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable, Tray	<u>1053101404</u>
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 4 Circuits, with Solder Clips, Tin (Sn) Plating, Black, Glow- Wire Capable, Tray	<u>1053121104</u>
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 4 Circuits, with Solder Clips, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	<u>1053121204</u>
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 4 Circuits, with Solder Clips, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	<u>1053121304</u>
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 4 Circuits, with Solder Clips, 0.76µm Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable, Tray	<u>1053121404</u>
Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Dual Row, 4 Circuits, Tin (Sn) Plating, Black, Glow-Wire Capable, Tray	<u>1053141104</u>
Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Dual Row, 4 Circuits, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	<u>1053141204</u>
Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Dual Row, 4 Circuits, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	<u>1053141304</u>
Nano-Fit Right-Angle Header,	<u>1053141404</u>

Through Hole, 2.50mm Pitch, Dual Row, 4 Circuits, 0.76µm Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable, Tray	
Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Dual Row, 4 Circuits, 0.76µm Tin (Sn) Plating, Black, Glow-Wire Capable	<u>1054291104</u>
Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Dual Row, 4 Circuits, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable	<u>1054291204</u>
Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Dual Row, 4 Circuits, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable	<u>1054291304</u>
Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Dual Row, 4 Circuits, 0.76µm Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable	<u>1054291404</u>
Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Dual Row, 4 Circuits, 0.76µm Tin (Sn) Plating, Black, Glow-Wire Capable	<u>1054051104</u>
Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Dual Row, 4 Circuits, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable	<u>1054051204</u>
Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Dual Row, 4 Circuits, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable	<u>1054051304</u>
Nano-Fit Plug Housing, TPA Capable, 2.50mm Pitch, Dual Row, 4 Circuits, Black, Glow-Wire Capable	<u>2014441104</u>
Nano-Fit Plug Housing, TPA Capable, 2.50mm Pitch, Dual Row, 4 Circuits, Black, Panel	<u>2014441204</u>

Mount, Glow-Wire Capable	
Nano-Fit BMI Plug Housing, TPA Capable, 2.50mm Pitch, Dual Row, 4 Circuits, Black, Glow-Wire Capable	<u>2245561104</u>
Nano-Fit BMI Plug Housing, TPA Capable, 2.50mm Pitch, Dual Row, 4 Circuits, Black, Panel Mount, Glow-Wire Capable	<u>2245561204</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>

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## Application Tooling

### Global

Description	Part Number
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Extraction Tool for Nano-Fit Power Connectors/Terminals and DuraClik Robust Connectors/ Terminals, 26-20 AWG and 0.30-0.50mm <sup>2</sup> Wire	<u>638244600</u>
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