



Part Number : [1053081208](#)
Product Description : Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Dual Row, 8 Circuits, Black, Glow-Wire Capable
Series Number : 105308
Status : Active
Product Category : Connector Housings



Documents & Resources

Drawings
[1053081208_sd.pdf](#)
[PK-105308-100-000.pdf](#)

3D Models and Design Files
[1053081208_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	Compliant per 2000/53/EC
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)7663-DC (21 Jan 2025)
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	105308
Description	Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Dual Row, 8 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	889056023733

Agency

CSA	LR19980
UL	E29179

Physical

Circuits (maximum)	8
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	0.750/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

Mates With / Use With

Mates with Part(s)

Description	Part Number
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 8 Circuits, with Kinked Pins, Tin (Sn) Plating, Black, Glow-Wire Capable, Tray	<u>1053101108</u>
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 8 Circuits, with Kinked Pins, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	<u>1053101208</u>
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 8 Circuits, with Kinked Pins, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	<u>1053101308</u>
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 8 Circuits, with Kinked Pins, 0.76µm Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable, Tray	<u>1053101408</u>
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 8 Circuits, with Solder Clips, Tin (Sn) Plating, Black, Glow-Wire Capable, Tray	<u>1053121108</u>
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 8 Circuits, with Solder Clips, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	<u>1053121208</u>

Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 8 Circuits, with Solder Clips, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	<u>1053121308</u>
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 8 Circuits, with Solder Clips, 0.76µm Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable, Tray	<u>1053121408</u>
Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Dual Row, 8 Circuits, Tin (Sn) Plating, Black, Glow-Wire Capable, Tray	<u>1053141108</u>
Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Dual Row, 8 Circuits, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	<u>1053141208</u>
Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Dual Row, 8 Circuits, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	<u>1053141308</u>
Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Dual Row, 8 Circuits, 0.76µm Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable, Tray	<u>1053141408</u>
Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Dual Row, 8 Circuits, 0.76µm Tin (Sn) Plating, Black, Glow-Wire Capable	<u>1054291108</u>
Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Dual Row, 8 Circuits, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable	<u>1054291208</u>
Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Dual Row, 8 Circuits, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable	<u>1054291308</u>
Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Dual Row, 8 Circuits, 0.76µm Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable	<u>1054291408</u>
Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Dual Row, 8 Circuits, 0.76µm Tin (Sn) Plating, Black, Glow-Wire Capable	<u>1054051108</u>
Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Dual Row, 8 Circuits, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable	<u>1054051208</u>

Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Dual Row, 8 Circuits, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable	<u>1054051308</u>
Nano-Fit Plug Housing, TPA Capable, 2.50mm Pitch, Dual Row, 8 Circuits, Black, Glow-Wire Capable	<u>2014441108</u>
Nano-Fit Plug Housing, TPA Capable, 2.50mm Pitch, Dual Row, 8 Circuits, Black, Panel Mount, Glow-Wire Capable	<u>2014441208</u>
Nano-Fit BMI Plug Housing, TPA Capable, 2.50mm Pitch, Dual Row, 8 Circuits, Black, Glow-Wire Capable	<u>2245561108</u>
Nano-Fit BMI Plug Housing, TPA Capable, 2.50mm Pitch, Dual Row, 8 Circuits, Black, Panel Mount, Glow-Wire Capable	<u>2245561208</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>

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