molex

Part Number : 1053071203

Product Description : Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Single Row, 3 Circuits, Black, Glow-Wire Capable

Series Number : 105307

Status : Active

Product Category : Connector Housings

Documents & Resources

Drawings

1053071203_sd.pdf

PK-105307-100-000.pdf

3D Models and Design Files

1053071203_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)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	105307
Description	Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Single Row, 3 Circuits, Black, Glow-Wire Capable
Application	Power, Wire-to-Board, Wire-to-Wire
Product Name	Nano-Fit
UPC	889056026444

Agency

CSA	LR19980
UL	E29179

Physical

Circuits (maximum)	3
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	0.400/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, 3 Circuits, with Kinked Pins, Tin (Sn) Plating, Black, Glow-Wire Capable, Tray	1053091103
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 3 Circuits, with Kinked Pins, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	1053091203
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 3 Circuits, with Kinked Pins, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	1053091303
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 3 Circuits, with Kinked Pins, 0.76µm Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable, Tray	1053091403
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 3 Circuits, with Solder Clips, Tin (Sn) Plating, Black, Glow-Wire Capable, Tray	1053111103
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 3 Circuits, with Solder Clips, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	1053111203
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 3 Circuits, with Solder Clips, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	1053111303

Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 3 Circuits, with Solder Clips, 0.76μm Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable, Tray	1053111403
Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Single Row, 3 Circuits, 0.76μm Tin (Sn) Plating, Black, Glow-Wire Capable	1054311103
Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Single Row, 3 Circuits, 0.38μm Gold (Au) Plating, Black, Glow-Wire Capable	1054311203
Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Single Row, 3 Circuits, 0.76μm Gold (Au) Plating, Black, Glow-Wire Capable	1054311303
Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Single Row, 3 Circuits, 0.76μm Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable	1054311403
Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Single Row, 3 Circuits, Tin (Sn) Plating, Black, Glow-Wire Capable, Tray	1053131103
Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Single Row, 3 Circuits, 0.38μm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	1053131203
Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Single Row, 3 Circuits, 0.76μm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	1053131303
Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Single Row, 3 Circuits, 0.76μm Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable, Tray	1053131403
Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Single Row, 3 Circuits, 0.76μm Tin (Sn) Plating, Black, Glow-Wire Capable	1054301103
Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Single Row, 3 Circuits, 0.38μm Gold (Au) Plating, Black, Glow-Wire Capable	1054301203

Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Single Row, 3 Circuits, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable	1054301303
Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Single Row, 3 Circuits, 0.76µm Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable	1054301403
Nano-Fit Plug Housing, TPA Capable, 2.50mm Pitch, Single Row, 3 Circuits, Black, Glow-Wire Capable	2002771103
Nano-Fit Plug Housing, TPA Capable, 2.50mm Pitch, Single Row, 3 Circuits, Black, Panel Mount, Glow-Wire Capable	2002771203

Use with Part(s)

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

Application Tooling

Global

Description	Part Number

Extraction Tool for Nano-Fit Power Connectors and Crimp Terminals, 26-20 AWG	638244600

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