



Part Number : 1053071206

Series Number : 105307

Product Category : Connector Housings

Product Description : Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Single Row, 6 Circuits, Black, Glow-Wire Capable

Status : Active

Documents & Resources

Drawings

Drawing 1053071206_sd.pdf

Packaging Design Drawing PK-105307-100-000.pdf

3D Models and Design Files

3D Model 1053071206_stp.zip

Specifications

Application Specification AS-105300-100-001.pdf

Product Specification 1053001000-PS-CH-000.pdf

Product Specification 1053001000-PS-ES-000.pdf

Product Specification 1053001000-PS-JP-000.pdf

Product Specification 1053001000-PS-SK-000.pdf


Product Specification PS-105300-100-001.pdf

Test Summary 1053000000-TS-000.pdf

Test Summary 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)4144-DC (27 June 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, 6 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 Family	Nano-Fit Power Connectors
Product Name	Nano-Fit
UPC	889056026475

Agency

CSA	LR19980
UL	E29179

Physical

Circuits (maximum)	6
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	0.670/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 +105°C, -40° to +115°C

Mates With / Use With

Mates with Part(s)

Description	Part Number
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 6 Circuits, with Kinked Pins, Tin (Sn) Plating, Black, Glow-Wire Capable, Tray	<u>1053091106</u>
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 6 Circuits, with Kinked Pins, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	<u>1053091206</u>
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 6 Circuits, with Kinked Pins, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	<u>1053091306</u>
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 6 Circuits, with Kinked Pins, 0.76µm Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable, Tray	<u>1053091406</u>
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 6 Circuits, with Solder Clips, Tin (Sn) Plating, Black, Glow-Wire Capable, Tray	<u>1053111106</u>
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 6 Circuits, with Solder Clips, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	<u>1053111206</u>

Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 6 Circuits, with Solder Clips, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	<u>1053111306</u>
Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Single Row, 6 Circuits, 0.76µm Tin (Sn) Plating, Black, Glow-Wire Capable	<u>1054311106</u>
Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Single Row, 6 Circuits, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable	<u>1054311206</u>
Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Single Row, 6 Circuits, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable	<u>1054311306</u>
Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Single Row, 6 Circuits, 0.76µm Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable	<u>1054311406</u>
Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Single Row, 6 Circuits, Tin (Sn) Plating, Black, Glow-Wire Capable, Tray	<u>1053131106</u>
Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Single Row, 6 Circuits, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	<u>1053131206</u>
Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Single Row, 6 Circuits, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	<u>1053131306</u>
Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Single Row, 6 Circuits, 0.76µm Tin (Sn) Plating, Black, Glow-Wire Capable	<u>1054301106</u>
Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Single Row, 6 Circuits, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable	<u>1054301206</u>
Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Single Row, 6 Circuits, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable	<u>1054301306</u>

Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Single Row, 6 Circuits, 0.76µm Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable	<u>1054301406</u>
Nano-Fit Plug Housing, TPA Capable, 2.50mm Pitch, Single Row, 6 Circuits, Black, Glow-Wire Capable	<u>2002771106</u>
Nano-Fit Plug Housing, TPA Capable, 2.50mm Pitch, Single Row, 6 Circuits, Black, Panel Mount, Glow-Wire Capable	<u>2002771206</u>

Use with Part(s)

Description	Part Number
Pre-Crimped Lead Nano-Fit Female-to-Nano-Fit Female, Gold (Au) Plating, 150.00mm Length, 20 AWG, Black	<u>/content/molex/molex-dot-com/us/en/products/product-page-pdf.html/797582129.html</u>
Pre-Crimped Lead Nano-Fit Female-to-Nano-Fit Female, Gold (Au) Plating, 300.00mm Length, 20 AWG, Black	<u>/content/molex/molex-dot-com/us/en/products/product-page-pdf.html/797582130.html</u>
Pre-Crimped Lead Nano-Fit Female-to-Nano-Fit Female, Matte Tin (Sn) Plating, 150.00mm Length, 20 AWG, Black	<u>/content/molex/molex-dot-com/us/en/products/product-page-pdf.html/797582139.html</u>
Pre-Crimped Lead Nano-Fit Female-to-Nano-Fit Female, Matte Tin (Sn) Plating, 300.00mm Length, 20 AWG, Black	<u>/content/molex/molex-dot-com/us/en/products/product-page-pdf.html/797582140.html</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, 20-26 AWG	<u>638244600</u>