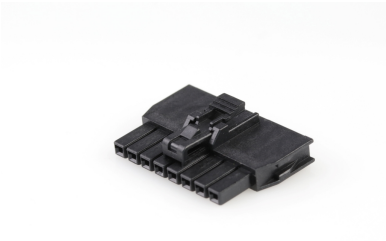
Part Number : 1053071208
Product Description : Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Single Row, 8 Circuits, Black, Glow-Wire Capable
Series Number : 105307
Status : Active
Product Category : Connector Housings



Documents & Resources

Drawings
1053071208_sd.pdf
PK-105307-100-000.pdf

3D Models and Design Files
1053071208_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, 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	889056026499

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	0.850/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, 8 Circuits, with Kinked Pins, Tin (Sn) Plating, Black, Glow-Wire Capable, Tray	1053091108
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 8 Circuits, with Kinked Pins, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	1053091208
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 8 Circuits, with Kinked Pins, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	1053091308
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 8 Circuits, with Kinked Pins, 0.76µm Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable, Tray	1053091408
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 8 Circuits, with Solder Clips, Tin (Sn) Plating, Black, Glow-Wire Capable, Tray	1053111108
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 8 Circuits, with Solder Clips, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	1053111208

Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 8 Circuits, with Solder Clips, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	1053111308
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 8 Circuits, with Solder Clips, 0.76µm Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable, Tray	1053111408
Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Single Row, 8 Circuits, 0.76µm Tin (Sn) Plating, Black, Glow-Wire Capable	1054311108
Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Single Row, 8 Circuits, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable	1054311208
Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Single Row, 8 Circuits, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable	1054311308
Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Single Row, 8 Circuits, 0.76µm Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable	1054311408
Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Single Row, 8 Circuits, Tin (Sn) Plating, Black, Glow-Wire Capable, Tray	1053131108
Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Single Row, 8 Circuits, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	1053131208
Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Single Row, 8 Circuits, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	1053131308
Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Single Row, 8 Circuits, 0.76µm Tin (Sn) Plating, Black, Glow-Wire Capable	1054301108
Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Single Row, 8 Circuits, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable	1054301208

Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Single Row, 8 Circuits, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable	1054301308
Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Single Row, 8 Circuits, 0.76µm Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable	1054301408
Nano-Fit Plug Housing, TPA Capable, 2.50mm Pitch, Single Row, 8 Circuits, Black, Glow-Wire Capable	2002771108
Nano-Fit Plug Housing, TPA Capable, 2.50mm Pitch, Single Row, 8 Circuits, Black, Panel Mount, Glow-Wire Capable	2002771208

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

This document was generated on Apr 22, 2025