



**Part Number :** [1053091208](#)

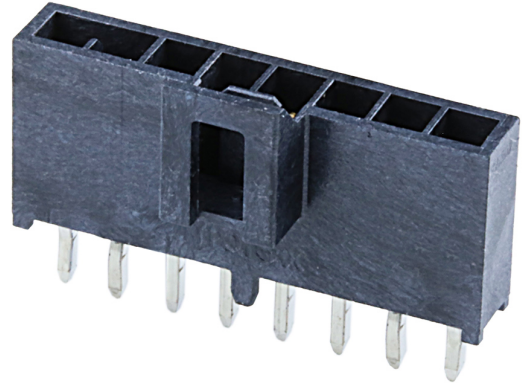
**Product Description :** Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 8 Circuits, with Kinked Pins, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray

**Series Number :** 105309

**Status :** Active

**Product Category :** PCB Headers and Receptacles

**Packaging Alternative :** [1053093708](#)  
(Embossed Tape on Reel)



---

## Documents & Resources

### Drawings

[Drawing 1053091208\\_sd.pdf](#)

[Packaging Design Drawing PK-105309-300-000.pdf](#)

### 3D Models and Design Files

[3D Model 1053091208\\_stp.zip](#)

[Symbol Footprint Data SYM-105309-XX08-001.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](#)

---

## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)

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	PCB Headers and Receptacles
Series	105309
Description	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
Application	Power, Wire-to-Board
Component Type	PCB Header
Product Family	Nano-Fit Power Connectors
Product Name	Nano-Fit
UPC	887191937595

### Agency

CSA	LR19980
UL	E29179

### Electrical

Current - Maximum per Contact	8.0A
Voltage - Maximum	250V AC (RMS)/DC

## Physical

Breakaway	No
Circuits (Loaded)	8
Circuits (maximum)	8
Color - Resin	Black
Durability (mating cycles max)	50
Flammability	94V-0
Glow-Wire Capable	Yes
Guide to Mating Part	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	0.870/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	3.20mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm, 2.40mm
Pitch - Mating Interface	2.50mm
Pitch - Termination Interface	2.50mm
Plating min - Mating	0.381µm
Plating min - Termination	1.524µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Yes
Stackable	No
Temperature Range - Operating	-40° to +115°C
Termination Interface Style	Through Hole

---

## Mates With / Use With

### Mates with Part(s)

Description	Part Number
Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Single Row, 8 Circuits, Black, Glow-Wire Capable	<u>1053071208</u>

---

This document was generated on Nov 06, 2023