



**Part Number :** [1054051208](#)

**Product Description :** Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Dual Row, 8 Circuits, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable

**Series Number :** 105405

**Status :** Active

**Product Category :** PCB Headers and Receptacles



---

## Documents & Resources

### Drawings

[1054051208\\_sd.pdf](#)

[PK-105405-003-000.pdf](#)

### 3D Models and Design Files

[1054051208\\_stp.zip](#)

[SYM-105405-XX08-001.zip](#)

### Specifications

[AS-105405-001-001.pdf](#)

[1054051000-PS-CH-000.pdf](#)

[1054051000-PS-ES-000.pdf](#)

[1054051000-PS-SK-000.pdf](#)

[PS-105405-001-001.pdf](#)

[1054050000-TS-000.pdf](#)

---

## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 44; 33; 34
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	PCB Headers and Receptacles
Series	105405
Description	Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Dual Row, 8 Circuits, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable
Application	Power, Wire-to-Board
Component Type	PCB Header
Product Name	Nano-Fit
UPC	889056258128

#### Agency

UL	E29179
----	--------

#### Electrical

Current - Maximum per Contact	7.0A
Voltage - Maximum	250V AC (RMS)/DC

#### Physical

Breakaway	No
Circuits (Loaded)	8
Circuits (maximum)	8

Color - Resin	Black
Durability (mating cycles max)	50
Glow-Wire Capable	Yes
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	1.140/g
Number of Rows	2
Orientation	Right Angle
Packaging Type	Embossed Tape on Reel
PCB Locator	No
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	2.50mm
Pitch - Termination Interface	2.50mm
Plating min - Mating	0.381µm
Plating min - Termination	0.762µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Yes
Temperature Range - Operating	-40° to +125°C
Termination Interface Style	Surface Mount

---

## Mates With / Use With

### Mates with Part(s)

Description	Part Number
Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Dual Row, 8 Circuits, Black, Glow-Wire Capable	<u>1053081208</u>

Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Dual Row, 8 Circuits, Black, Glow-Wire Capable, for UL 1569/1007 Wire	<u>2263621208</u>
Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Cable Assemblies	<u>45130</u>

---

This document was generated on Apr 29, 2025