



**Part Number :** [1053132307](#)

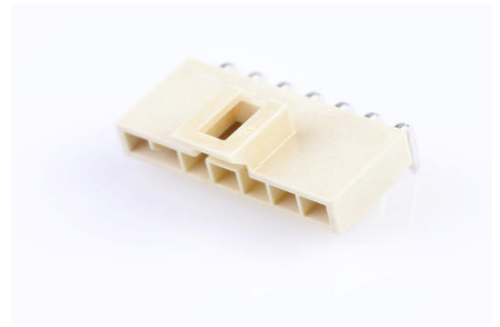
**Product Description :** Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Single Row, 7 Circuits, 0.76µm Gold (Au) Plating, Natural, Glow-Wire Capable, Tray

**Series Number :** 105313

**Status :** Active

**Product Category :** PCB Headers and Receptacles

**Packaging Alternative :** [1053132607](#) (Embossed Tape on Reel)



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## Documents and Resources

### Drawings

[1053132307\\_sd.pdf](#)

[PK-105309-400-000.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

[SYM-105313-XX07-001.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](#)

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## Product Environment Compliance

### Compliance

|                    |                                                                                                       |
|--------------------|-------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44; 34; 33                                                                   |
| China RoHS         |  per SJ/T 11365-2006 |
| EU ELV             | Not Relevant                                                                                          |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                                                                        |
| REACH SVHC         | Not Contained per D(2025)7771-DC (04 Feb 2026)                                                        |
| EU RoHS            | Compliant per EU 2015/863                                                                             |

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

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**Part Details**

**General**

|                |                                                                                                                                             |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                      |
| Category       | PCB Headers and Receptacles                                                                                                                 |
| Series         | 105313                                                                                                                                      |
| Description    | Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Single Row, 7 Circuits, 0.76µm Gold (Au) Plating, Natural, Glow-Wire Capable, Tray |
| Application    | Wire-to-Board                                                                                                                               |
| Component Type | PCB Header                                                                                                                                  |
| Product Name   | Nano-Fit                                                                                                                                    |
| UPC            | 887191929811                                                                                                                                |

## Agency

|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

## Electrical

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

## Physical

|                                |                              |
|--------------------------------|------------------------------|
| Breakaway                      | No                           |
| Circuits (Loaded)              | 7                            |
| Circuits (maximum)             | 7                            |
| Color - Resin                  | Natural                      |
| Durability (mating cycles max) | 50                           |
| First Mate / Last Break        | No                           |
| 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 (LCP) |
| Net Weight                     | 0.840/g                      |
| Number of Rows                 | 1                            |
| Orientation                    | Right Angle                  |
| Packaging Type                 | Tray                         |
| PCB Locator                    | Yes                          |
| PCB Retention                  | Yes                          |
| PCB Thickness - Recommended    | 1.60mm, 2.40mm               |
| PC Tail Length                 | 3.20mm                       |
| Pitch - Mating Interface       | 2.50mm                       |
| Pitch - Termination Interface  | 2.50mm                       |
| Plating min - Mating           | 0.762µm                      |
| Plating min - Termination      | 1.524µm                      |

|                               |                |
|-------------------------------|----------------|
| Polarized to Mating Part      | Yes            |
| Polarized to PCB              | Yes            |
| Shrouded                      | Shrouded       |
| Stackable                     | No             |
| Temperature Range - Operating | -40° to +125°C |
| Termination Interface Style   | Through Hole   |

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## Mates With / Use With

### Mates with Part(s)

| Description                                                                                                                       | Part Number       |
|-----------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Single Row, 7 Circuits, Natural, Glow-Wire Capable                        | <u>1053072207</u> |
| Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Single Row, 7 Circuits, Natural, Glow-Wire Capable, for UL 1569/1007 Wire | <u>2263542207</u> |