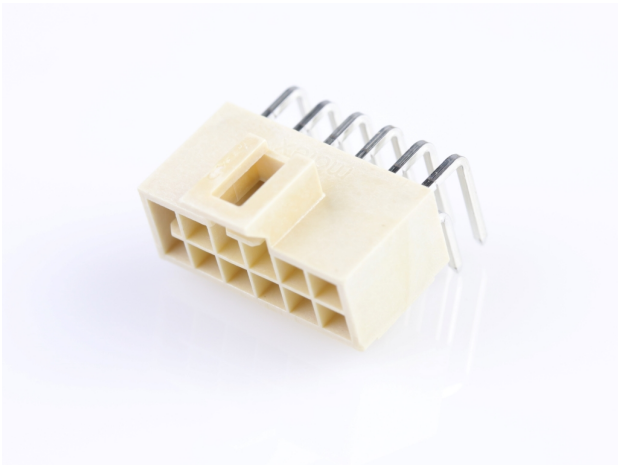




**Part Number :** [1053142212](#)  
**Product Description :** Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Dual Row, 12 Circuits, 0.38µm Gold (Au) Plating, Natural, Glow-Wire Capable, Tray  
**Series Number :** 105314  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles  
**Packaging Alternative :** [1053142712](#)  
(Embossed Tape on Reel)



Documents & Resources

Drawings

[1053142212\\_sd.pdf](#)  
[PK-105309-200-000.pdf](#)

3D Models and Design Files


[1053142212\\_stp.zip](#)  
[SYM-105314-XX12-001.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](#)

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(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         | 105314   |
| Description    | Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Dual Row, 12 Circuits, 0.38µm Gold (Au) Plating, Natural, Glow-Wire Capable, Tray |
| Application    | Power, Wire-to-Board   |
| Component Type | PCB Header   |
| Product Name   | Nano-Fit   |
| UPC            | 887191928791   |

### Agency

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

### Electrical

|                               |                  |
|-------------------------------|------------------|
| Current - Maximum per Contact | 7.5A             |
| Voltage - Maximum             | 250V AC (RMS)/DC |

### Physical

|                                |                        |
|--------------------------------|------------------------|
| Breakaway                      | No                     |
| Circuits (Loaded)              | 12                     |
| Circuits (maximum)             | 12                     |
| Color - Resin                  | Natural                |
| 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                     | 1.290/g                |
| Number of Rows                 | 2                      |
| Orientation                    | Right Angle            |
| 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 +125°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, Dual Row, 12 Circuits, Natural, Glow-Wire Capable                        | <u>1053082212</u> |
| Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Dual Row, 12 Circuits, Natural, Glow-Wire Capable, for UL 1569/1007 Wire | <u>2263622212</u> |

---

This document was generated on Apr 26, 2025