

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [1053141206](#)
Status: **Active**
Overview: [Nano-Fit Power Connectors](#)
Description: Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Dual Row, 6 Circuits, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray

Documents:

| | |
|--|---|
| 3D Model | Product Specification PS-105300-100-001 (PDF) |
| 3D Model (PDF) | Application Specification AS-105300-100-001 (PDF) |
| Drawing (PDF) | Packaging Specification PK-105309-200-000 (PDF) |
| Product Specification 1053001000-PS-CH-000 (PDF) | Test Summary 1053000000-TS-000 (PDF) |
| Product Specification 1053001000-PS-ES-000 (PDF) | Datasheet (PDF) |
| Product Specification 1053001000-PS-JP-000 (PDF) | Symbol Footprint Data SYM-105314-XX06-001 (PDF) |
| Product Specification 1053001000-PS-SK-000 (PDF) | RoHS Certificate of Compliance (PDF) |

Agency Certification

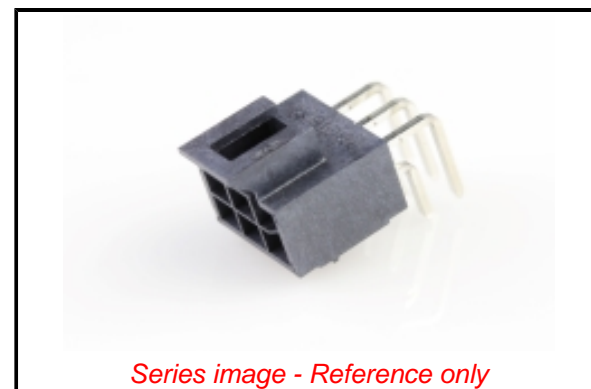
| | |
|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

General

| | |
|-----------------------|---|
| Product Family | PCB Headers |
| Series | 105314 |
| Application | Power, Wire-to-Board |
| Overview | Nano-Fit Power Connectors |
| Packaging Alternative | 1053141706 |
| Product Name | Nano-Fit |
| UPC | 887191927541 |

Physical

| | |
|--------------------------------|------------------------|
| Breakaway | No |
| Circuits (Loaded) | 6 |
| Circuits (maximum) | 6 |
| 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 | 0.700/g |
| Number of Rows | 2 |
| Orientation | Right Angle |
| PC Tail Length | 3.20mm |
| PCB Locator | Yes |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.60mm, 2.40mm |
| Packaging Type | Tray |
| 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 |



Series image - Reference only

EU ELV
Compliant

EU RoHS
Compliant
REACH SVHC

Not Contained Per -
D(2021)4569-DC (8
July 2021)

Halogen-Free
Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Compliant

Not Contained

Search Parts in this Series

[105314 Series](#)

Mates With

Nano-Fit Receptacle Housing [1053081206](#) .
Nano-Fit Cable Assembly [45130](#)

| | |
|------------------------------------|---|
| Shrouded | Yes |
| Stackable | No |
| Surface Mount Compatible (SMC) | Yes |
| Temperature Range - Operating | -40° to +115°C |
| Termination Interface: Style | Through Hole |
| Electrical | |
| Current - Maximum per Contact | 7.5A |
| Voltage - Maximum | 250V AC (RMS)/DC |
| Material Info | |
| Reference - Drawing Numbers | |
| Application Specification | AS-105300-100-001 |
| Packaging Specification | PK-105309-200-000 |
| Product Specification | 1053001000-PS-CH-000, 1053001000-PS-ES-000, 1053001000-PS-JP-000, 1053001000-PS-SK-000, PS-105300-100-001 |
| Sales Drawing | SD-105314-100-000 |
| Symbol/Footprint Data | SYM-105314-XX06-001 |
| Test Summary | 1053000000-TS-000 |

This document was generated on 08/18/2021

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION