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Part Number: [1053112303](#)

Status: **Active**

Overview:

Description: Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 3 Circuits, with Solder Clips, 0.76µm Gold (Au) Plating, Natural, Glow-Wire Capable, Tray

Agency Certification

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

General

| | |
|-----------------------|----------------------------|
| Product Family | PCB Headers |
| Series | 105311 |
| Application | Power, Wire-to-Board |
| Overview | nanofit_power_connectors |
| Packaging Alternative | 1053114603 |
| Product Name | Nano-Fit |
| UPC | 887191933399 |

Physical

| | |
|--------------------------------|------------------------|
| Breakaway | No |
| Circuits (Loaded) | 3 |
| Circuits (maximum) | 3 |
| 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 | 0.490/g |
| Number of Rows | 1 |
| Orientation | Vertical |
| 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 | 0.762µm |
| Plating min - Termination | 1.524µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| Shrouded | Yes |
| Stackable | No |
| Surface Mount Compatible (SMC) | No |
| 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 |

EU ELV

Not Relevant

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

Not Relevant

Not Contained

Search Parts in this Series

[105311](#) Series

Mates With

Nano-Fit Receptacle Housing [1053072203](#)

Material Info

Reference - Drawing Numbers

| | |
|---------------------------|---|
| Application Specification | AS-105300-100-001 |
| Packaging Specification | PK-105309-300-000 |
| 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-105311-100-000 |
| Symbol/Footprint Data | SYM-105311-XX03-001 |
| Test Summary | 1053000000-TS-000 |

This document was generated on 10/05/2021

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