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Part Number: [1053091202](#)
Status: **Active**
Overview: Nano-Fit Power Connectors
Description: Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 2 Circuits, with Kinked Pins, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable

Documents:

| | |
|---|---|
| 3D Model (PDF) | Packaging Specification PK-105309-300-000 (PDF) |
| 3D Model | Test Summary 1053000000-TS-000 (PDF) |
| Drawing (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification PS-105300-100-001 (PDF) | Product Literature (PDF) |
| Application Specification AS-105300-100-001 (PDF) | |

Agency Certification

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

General

| | |
|----------------|---|
| Product Family | PCB Headers |
| Series | 105309 |
| Application | Power, Wire-to-Board |
| Overview | Nano-Fit Power Connectors |
| Product Name | Nano-Fit |
| UPC | 887191937533 |

Physical

| | |
|--------------------------------|------------------------|
| Breakaway | No |
| Circuits (Loaded) | 2 |
| Circuits (maximum) | 2 |
| 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 | 0.270/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 | 0.381µm |
| Plating min - Termination | 1.524µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| Shrouded | Yes |
| Stackable | No |
| Surface Mount Compatible (SMC) | No |



Series image - Reference only

EU ELV

Compliant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
ECHA_01_2020 (16
January 2020

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

[105309](#) Series

Mates With

Nano-Fit Receptacle Housing [1053071202](#) ,
Nano-Fit Cable Assembly [45130](#)

Temperature Range - Operating -40° to +115°C
Termination Interface: Style Through Hole

Electrical

Current - Maximum per Contact 8.0A
Voltage - Maximum 300V

Material Info

Reference - Drawing Numbers

Application Specification AS-105300-100-001
Packaging Specification PK-105309-300-000
Product Specification PS-105300-100-001
Sales Drawing SD-105309-100-000
Symbol/Footprint Data SYM-105309-XX02
Test Summary 1053000000-TS-000

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