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Part Number: [1053103808](#)
Status: **Active**
Overview: [Nano-Fit Power Connectors](#)
Description: Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 8 Circuits, with Kinked Pins, 0.76µm Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable, Tape and Reel

Documents:

| | |
|--|---|
| 3D Model | Packaging Specification 1053101000-PK-000 (PDF) |
| Drawing (PDF) | Datasheet (PDF) |
| 3D Model (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification 1053001000-PS-ES-000 (PDF) | |

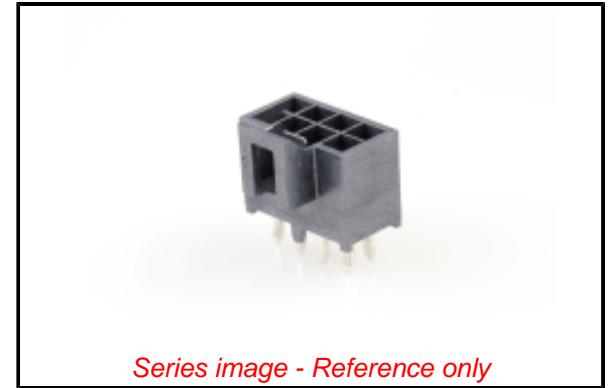
General

| | |
|-----------------------|---|
| Product Family | PCB Headers |
| Series | 105310 |
| Application | Power, Wire-to-Board |
| Overview | Nano-Fit Power Connectors |
| Packaging Alternative | 1053101408 |
| Product Name | Nano-Fit |
| UPC | 193264646869 |

Physical

| | |
|--------------------------------|------------------------|
| Breakaway | No |
| Circuits (Loaded) | 8 |
| Circuits (maximum) | 8 |
| Color - Resin | Black |
| Durability (mating cycles max) | 50 |
| 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 | 0.749/g |
| Number of Rows | 2 |
| Orientation | Vertical |
| PC Tail Length | 3.20mm |
| PCB Locator | Yes |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.60mm, 2.40mm |
| Packaging Type | Embossed Tape on Reel |
| 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



EU ELV

Not Reviewed

EU RoHS

Not Reviewed

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

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

China ROHS

Not Reviewed

ELV

Not Reviewed

RoHS Phthalates

Not Reviewed

Search Parts in this Series

[105310 Series](#)

Mates With

Nano-Fit Receptacle Housing [1053081208](#)

Current - Maximum per Contact
Voltage - Maximum

7.5A
250V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

| | |
|-------------------------|----------------------|
| Packaging Specification | 1053101000-PK-000 |
| Product Specification | 1053001000-PS-ES-000 |
| Sales Drawing | 1053101000-SD-000 |

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