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Part Number: [1053103806](#)
Status: **Active**
Overview: [Nano-Fit Power Connectors](#)
Description: Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 6 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 \(PDF\)](#)
[3D Model \(PDF\)](#) [Datasheet \(PDF\)](#)
[Drawing \(PDF\)](#) [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 [1053101406](#)
Product Name Nano-Fit
UPC 193264646852

Physical
Breakaway No
Circuits (Loaded) 6
Circuits (maximum) 6
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 0.591/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



Series image - Reference only

EU ELV
Not Reviewed

EU RoHS	China 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 [1053081206](#)

Current - Maximum per Contact

7.5A

Voltage - Maximum

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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