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Part Number: [1053131203](#)
Status: **Active**
Overview: [Nano-Fit™ Power Connectors](#)
Description: Nano-Fit™ Right Angle Header, Through Hole, 2.50mm Pitch, Single Row, 3 Circuits, 0.38µm Gold (Au) Plating, Black

Documents:

[3D Model](#) [Packaging Specification PK-105309-400 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

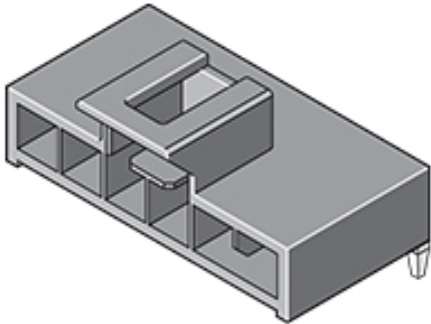
CSA LR19980
UL E29179

General

Product Family PCB Headers
Series [105313](#)
Application Power, Wire-to-Board
Overview [Nano-Fit™ Power Connectors](#)
Product Name Nano-Fit™
UPC 887191928982

Physical

Breakaway No
Circuits (Loaded) 3
Circuits (maximum) 3
Color - Resin Black
Durability (mating cycles max) 50
Flammability 94V-0
Glow-Wire Compliant No
Guide to Mating Part No
Keying to Mating Part Yes
Lock to Mating Part Yes
Material - Metal Brass
Material - Plating Mating Gold over Nickel
Material - Plating Termination Tin over Nickel
Material - Resin Liquid Crystal Polymer
Net Weight 0.410/g
Number of Rows 1
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
Shrouded Yes
Stackable No
Surface Mount Compatible (SMC) No
Temperature Range - Operating -40°C to +115°C
Termination Interface: Style Through Hole



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/79/2015 (17
December 2015)

Halogen-Free

Status

Low-Halogen

**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any
non-product compliance questions.

China ROHS
ELV

Green Image
Not Relevant

Search Parts in this Series

[105313](#) Series

Mates With

Nano-Fit™ Receptacle Housing [105307](#)

Electrical

Current - Maximum per Contact	6.5A
Voltage - Maximum	300V

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-105309-400
Sales Drawing	SD-105313-100

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