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Part Number: [1053091205](#)
Status: **Active**
Overview: [Nano-Fit™ Power Connectors](#)
Description: Nano-Fit™ Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 5 Circuits, with Kinked Pins, 0.38µm Gold (Au) Plating, Black

Documents:

[3D Model](#) [Packaging Specification PK-105309-300 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

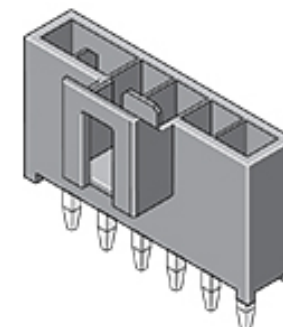
CSA LR19980
 UL E29179

General

Product Family PCB Headers
 Series [105309](#)
 Application Power, Wire-to-Board
 Overview [Nano-Fit™ Power Connectors](#)
 Product Name Nano-Fit™
 UPC 887191937564

Physical

Breakaway No
 Circuits (Loaded) 5
 Circuits (maximum) 5
 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 0.570/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
 Temperature Range - Operating -40°C to +115°C
 Termination Interface: Style Through Hole



Series image - Reference only

EU ELV

Not Reviewed

EU RoHS

Not Reviewed

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

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

Not Reviewed

ELV

Not Reviewed

Search Parts in this Series

[105309](#) 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-105309-300

Sales Drawing

SD-105309-100

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