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Part Number: [1053141204](#)
Status: **Active**
Overview: Nano-Fit Power Connectors
Description: Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Dual Row, 4 Circuits, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable

Documents:

Drawing (PDF)	Packaging Specification PK-105309-200-000 (PDF)
3D Model	Test Summary 1053000000-TS-000 (PDF)
3D Model (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

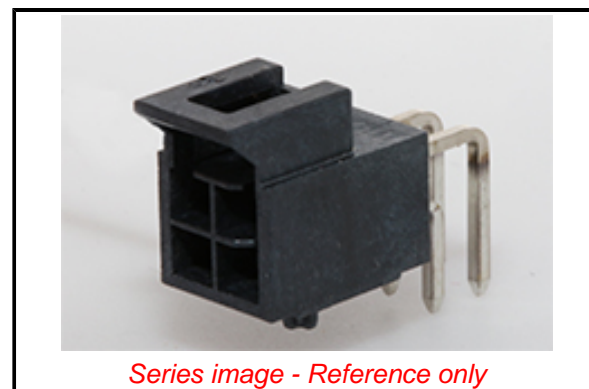
CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	105314
Application	Power, Wire-to-Board
Overview	Nano-Fit Power Connectors
Product Name	Nano-Fit
UPC	887191927534

Physical

Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
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	0.500/g
Number of Rows	2
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



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

[105314 Series](#)

Mates With

Nano-Fit Receptacle Housing [1053081204](#)

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

Electrical

Current - Maximum per Contact 7.5A
Voltage - Maximum 300V

Material Info

Reference - Drawing Numbers

Application Specification AS-105300-100-001
Packaging Specification PK-105309-200-000
Product Specification PS-105300-100-001
Sales Drawing SD-105314-100-000
Symbol/Footprint Data SYM-105314-XX04
Test Summary 1053000000-TS-000

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