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Part Number: [1053141212](#)
Status: **Active**
Overview: [Nano-Fit Power Connectors](#)
Description: Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Dual Row, 12 Circuits, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable

Documents:

- [3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-105300-100-001 \(PDF\)](#)
[Packaging Specification PK-105309-200-000 \(PDF\)](#)
- [Test Summary 1053000000-TS-000 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)
[Product Literature \(PDF\)](#)

Agency Certification

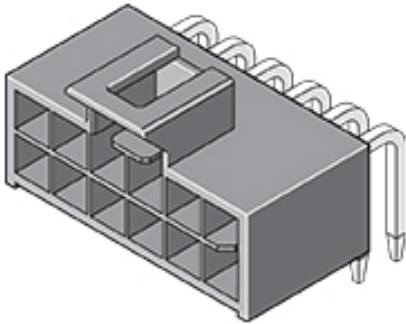
CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	105314
Application	Power, Wire-to-Board
Overview	Nano-Fit Power Connectors
Product Literature Order No	987651-1223
Product Name	Nano-Fit
UPC	887191927572

Physical

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
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 over Nickel
Material - Plating Termination	Tin over Nickel
Material - Resin	Liquid Crystal Polymer
Net Weight	1.290/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
-ED/88/2018 (15
January 2019)

Halogen-Free

Status

Low-Halogen

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

China RoHS

China ROHS	Green Image
ELV	Compliant
RoHS Phthalates	Not Contained

Search Parts in this Series

[105314](#) Series

Mates With

Nano-Fit Receptacle Housing [105308](#)

Temperature Range - Operating	-40° to +115°C
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	6.5A
Voltage - Maximum	300V
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-105309-200-000
Product Specification	PS-105300-100-001
Sales Drawing	SD-105314-100-000
Symbol/Footprint Data	SYM-105314-XX12
Test Summary	1053000000-TS-000

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