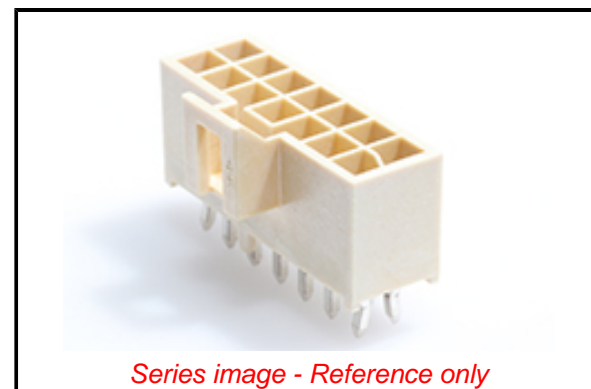


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [1053102114](#)
Status: **Active**
Overview: Nano-Fit Power Connectors
Description: Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 14 Circuits, with Kinked Pins, Tin (Sn) Plating, Natural, Glow-Wire Capable

Documents:

3D Model	Test Summary 1053001000-TS-000 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-105300-100-001 (PDF)	Product Literature (PDF)
Packaging Specification PK-105309-100-000 (PDF)	



Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	105310
3D Viewer	Yes
Application	Power, Wire-to-Board
CURRENT-MAX-NUMERIC	6.5
Overview	Nano-Fit Power Connectors
PITCH-MATING-NUMERIC	2.50
Product Literature Order No	987651-1223
Product Name	Nano-Fit
UPC	887191935324

Physical

Breakaway	No
Circuits (Loaded)	14
Circuits (maximum)	14
Color - Resin	Natural
Durability (mating cycles max)	25
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	Tin over Nickel
Material - Plating Termination	Tin over Nickel
Material - Resin	Liquid Crystal Polymer
Net Weight	1.240/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	Tray
Pitch - Mating Interface	2.50mm
Pitch - Termination Interface	2.50mm
Plating min - Mating	1.524µm
Plating min - Termination	1.524µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes

EU ELV

Not Reviewed

EU 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 [105308](#)

Shrouded	Yes
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	6.5A
Voltage - Maximum	250V AC (RMS)

Material Info**Reference - Drawing Numbers**

Packaging Specification	PK-105309-100-000
Product Specification	PS-105300-100-001
Sales Drawing	SD-105310-100-000
Symbol/Footprint Data	SYM-105310-XX14
Test Summary	1053001000-TS-000

This document was generated on 09/25/2019

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION