molex
one company › a world of innovation

This document was generated on 11/18/2019

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 1053141106

Status: Active

Overview: Nano-Fit Power Connectors

Description: Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Dual Row, 6 Circuits, Tin (Sn) Plating, Black, Glow-Wire Capable

Series image - Reference only

Documents:

3D Model (PDF)
Drawing (PDF)
3D Model
Product Specification PS-105300-100-001 (PDF)
Application Specification AS-105300-100-001 (PDF)
Packaging Specification PK-105309-200-000 (PDF)
Test Summary 1053001000-TS-000 (PDF)
RoHS Certificate of Compliance (PDF)
Product Literature (PDF)

EU ELV
Not Relevant

EU RoHS
Compliant

China RoHS

REACH SVHC
Not Contained Per - ED/71/2019 (16 July 2019)

Halogen-Free Status
Low-Halogen

For more information, please visit Contact US

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series
105314 Series

Mates With
Nano-Fit Receptacle Housing 105308

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	105314
3D Viewer	Yes
Application	Power, Wire-to-Board
CURRENT-MAX-NUMERIC	7.5
Overview	Nano-Fit Power Connectors
PITCH-MATING-NUMERIC	2.50
Product Literature Order No	987651-1223
Product Name	Nano-Fit
UPC	887191926278

Physical

Breakaway	No
Circuits (Loaded)	6
Circuits (maximum)	6
Color - Resin	Black
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	0.700/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	1.524µm
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° to +105°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	7.5A
Voltage - Maximum	250V AC (RMS)

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-XX06
Test Summary	1053001000-TS-000

This document was generated on 11/18/2019

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION