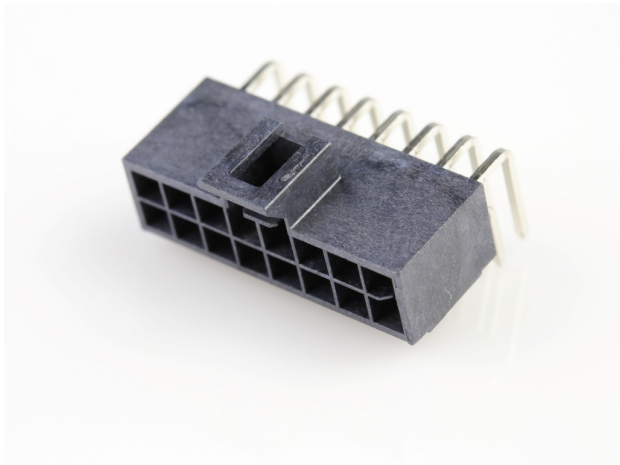




Part Number : [1053141216](#)
Product Description : Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Dual Row, 16 Circuits, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray
Series Number : 105314
Status : Active
Product Category : PCB Headers and Receptacles
Packaging Alternative : [1053141716](#)
(Embossed Tape on Reel)



Documents & Resources

Drawings
[Drawing 1053141216_sd.pdf](#)
[Packaging Design Drawing PK-105309-200-000.pdf](#)

3D Models and Design Files
[3D Model 1053141216_stp.zip](#)
[Symbol Footprint Data SYM-105314-XX16-001.zip](#)

Specifications
[Application Specification AS-105300-100-001.pdf](#)
[Product Specification 1053001000-PS-CH-000.pdf](#)
[Product Specification 1053001000-PS-ES-000.pdf](#)
[Product Specification 1053001000-PS-JP-000.pdf](#)
[Product Specification 1053001000-PS-SK-000.pdf](#)
[Product Specification PS-105300-100-001.pdf](#)
[Test Summary 1053000000-TS-000.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Compliant per 2000/53/EC
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)

EU RoHS	Compliant per EU 2015/863
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Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	105314
Description	Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Dual Row, 16 Circuits, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray
Application	Power, Wire-to-Board
Component Type	PCB Header
Product Family	Nano-Fit Power Connectors
Product Name	Nano-Fit
UPC	887191927596

Agency

CSA	LR19980
UL	E29179

Electrical

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

Physical

Breakaway	No
Circuits (Loaded)	16
Circuits (maximum)	16
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	1.690/g
Number of Rows	2
Orientation	Right Angle
Packaging Type	Tray
PC Tail Length	3.20mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm, 2.40mm
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
Temperature Range - Operating	-40° to +115°C
Termination Interface Style	Through Hole

Mates With / Use With

Mates with Part(s)

Description	Part Number
Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Dual Row, 16 Circuits, Black, Glow-Wire Capable	<u>1053081216</u>

This document was generated on Sep 26, 2023
