



Part Number : 1054301205

Product Description : Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Single Row, 5 Circuits, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable

Series Number : 105430

Status : Active

Product Category : PCB Headers and Receptacles

Documents & Resources

Drawings

- Drawing 1054301205_sd.pdf
- Packaging Design Drawing 1054301000-PK-000.pdf

3D Models and Design Files

- 3D Model 1054301205_stp.zip

Specifications

- Application Specification AS-105405-001-001.pdf
- Product Specification 1054051000-PS-CH-000.pdf
- Product Specification 1054051000-PS-ES-000.pdf
- Product Specification 1054051000-PS-SK-000.pdf
- Product Specification PS-105405-001-001.pdf
- Test Summary 1054050000-TS-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 2024)
EU RoHS	Compliant per EU 2015/863

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	105430
Description	Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Single Row, 5 Circuits, 0.38μm Gold (Au) Plating, Black, Glow-Wire Capable
Application	Power, Wire-to-Board
Component Type	PCB Header
Product Family	Nano-Fit Power Connectors
Product Name	Nano-Fit
UPC	191128932448

Agency

UL	E29179
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Electrical

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

Physical

Breakaway	No
Circuits (Loaded)	5
Circuits (maximum)	5
Color - Resin	Black
Durability (mating cycles max)	50

Glow-Wire Capable	Yes
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	0.920/g
Number of Rows	1
Orientation	Right Angle
Packaging Type	Embossed Tape on Reel
PCB Locator	No
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	2.50mm
Pitch - Termination Interface	2.50mm
Plating min - Mating	0.380µm
Plating min - Termination	0.762µm
Polarized to Mating Part	Yes
Polarized to PCB	No
Temperature Range - Operating	-40° to +115°C
Termination Interface Style	Surface Mount

Mates With / Use With

Mates with Part(s)

Description	Part Number
Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Single Row, 5 Circuits, Black, Glow-Wire Capable	<u>1053071205</u>