



Part Number : [1054051212](#)
Product Description : Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Dual Row, 12 Circuits, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable
Series Number : 105405
Status : Active
Product Category : PCB Headers and Receptacles



Documents & Resources


Drawings
[Drawing 1054051212_sd.pdf](#)
[Packaging Design Drawing PK-105405-004-000.pdf](#)

3D Models and Design Files
[3D Model 1054051212_stp.zip](#)
[Symbol Footprint Data SYM-105405-XX12-001.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	105405
Description	Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Dual Row, 12 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	889056259408

Agency

UL	E29179
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Electrical

Current - Maximum per Contact	7.0A
Voltage - Maximum	250V AC (RMS)/DC

Physical

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12

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	1.550/g
Number of Rows	2
Orientation	Right Angle
Packaging Type	Embossed Tape on Reel
PCB Locator	No
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	2.50mm
Pitch - Termination Interface	2.50mm
Plating min - Mating	0.381µm
Plating min - Termination	0.762µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Yes
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, Dual Row, 12 Circuits, Black, Glow-Wire Capable	<u>1053081212</u>
