Part Number : 1054051110

Product Description : Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Dual Row, 10 Circuits, 0.76µm Tin (Sn) Plating, Black, Glow-Wire Capable

Series Number : 105405

Status : Active

Product Category : PCB Headers and Receptacles

Documents & Resources

Drawings

Drawing 1054051110_sd.pdf
Packaging Design Drawing PK-105405-003-000.pdf

3D Models and Design Files

3D Model 1054051110_stp.zip
Symbol Footprint Data SYM-105405-XX10-001.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	Compliant with Exemption 44; 33
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, 10 Circuits, 0.76µm Tin (Sn) 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	889056258067

Agency

UL	E29179

Electrical

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

Physical

Breakaway	No
Circuits (Loaded)	10
Circuits (maximum)	10
Color - Resin	Black

Durability (mating cycles max)	25
Glow-Wire Capable	Yes
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	1.340/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	0.762µm
Plating min - Termination	0.762µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Yes
Temperature Range - Operating	-40° to +105°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, 10 Circuits, Black, Glow-Wire Capable	1053081210
Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Overmolded Cable Assemblies	245130