



Part Number : 1053141108

Series Number : 105314

Product Category : PCB Headers and Receptacles

Product Description : Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Dual Row, 8 Circuits, Tin (Sn) Plating, Black, Glow-Wire Capable, Tray

Status : Active

Packaging Alternative : 1053141508 (Embossed Tape on Reel)

Documents & Resources

Drawings

- Drawing 1053141108_sd.pdf
- Packaging Design Drawing PK-105309-200-000.pdf

3D Models and Design Files

- 3D Model 1053141108_stp.zip
- Symbol Footprint Data SYM-105314-XX08-001.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 1053001000-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	105314
Description	Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Dual Row, 8 Circuits, Tin (Sn) 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	887191926285

Agency

CSA	LR19980
UL	E29179

Electrical

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

Physical

Breakaway	No
Circuits (Loaded)	8
Circuits (maximum)	8

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
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	0.900/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	1.524µm
Plating min - Termination	1.524µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Yes
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

Mates With / Use With

Mates with Part(s)

Description	Part Number
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Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Dual Row, 8 Circuits, Black, Glow-Wire Capable	<u>1053081208</u>
Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Overmolded Cable Assemblies	<u>245130</u>