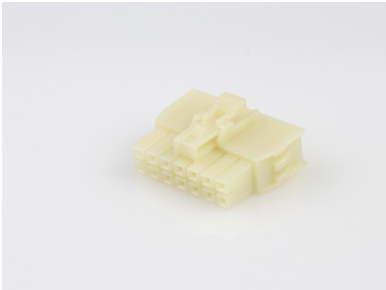
Part Number : 1053082214
Product Description : Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Dual Row, 14 Circuits, Natural, Glow-Wire Capable
Series Number : 105308
Status : Active
Product Category : Connector Housings



Documents & Resources

Drawings

Drawing 1053082214_sd.pdf
Packaging Design Drawing PK-105308-100-000.pdf

3D Models and Design Files

3D Model 1053082214_stp.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
Test Summary 1053001000-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(2023)3788-DC (14 Jun 2023)
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	Connector Housings
Series	105308
Description	Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Dual Row, 14 Circuits, Natural, Glow-Wire Capable
Application	Power, Wire-to-Board
Comments	Operating temperature is -40° to +105° for tin and -40° to +115° for gold
Product Family	Nano-Fit Power Connectors
Product Name	Nano-Fit
UPC	889056023900

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	6.5A

Physical

Circuits (maximum)	14
Color - Resin	Natural

Flammability	94V-0
Gender	Receptacle
Glow-Wire Capable	Yes
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Resin	Nylon
Net Weight	1.190/g
Number of Rows	2
Packaging Type	Bag
Panel Mount	No
Pitch - Mating Interface	2.50mm
Pitch - Termination Interface	2.50mm
Polarized to Mating Part	Yes
Temperature Range - Operating	-40° to +105°C, -40° to +115°C

Mates With / Use With

Mates with Part(s)

Description	Part Number
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 14 Circuits, with Kinked Pins, Tin (Sn) Plating, Natural, Glow-Wire Capable, Tray	1053102114
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 14 Circuits, with Kinked Pins, 0.38µm Gold (Au) Plating, Natural, Glow-Wire Capable, Tray	1053102214
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 14 Circuits, with Kinked Pins, 0.76µm Gold (Au) Plating, Natural, Glow-Wire Capable, Tray	1053102314
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 14 Circuits, with Solder Clips, Tin (Sn) Plating, Natural, Glow-Wire Capable, Tray	1053122114
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 14 Circuits, with Solder Clips, 0.38µm Gold (Au) Plating, Natural, Glow-Wire Capable, Tray	1053122214

Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 14 Circuits, with Solder Clips, 0.76µm Gold (Au) Plating, Natural, Glow-Wire Capable, Tray	1053122314
Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Dual Row, 14 Circuits, Tin (Sn) Plating, Natural, Glow-Wire Capable, Tray	1053142114
Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Dual Row, 14 Circuits, 0.38µm Gold (Au) Plating, Natural, Glow-Wire Capable, Tray	1053142214
Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Dual Row, 14 Circuits, 0.76µm Gold (Au) Plating, Natural, Glow-Wire Capable, Tray	1053142314
Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Dual Row, 14 Circuits, 0.76µm Tin (Sn) Plating, Natural, Glow-Wire Capable	1054292114
Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Dual Row, 14 Circuits, 0.38µm Gold (Au) Plating, Natural, Glow-Wire Capable	1054292214
Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Dual Row, 14 Circuits, 0.76µm Gold (Au) Plating, Natural, Glow-Wire Capable	1054292314
Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Dual Row, 14 Circuits, 0.76µm Gold (Au) Plating, Lubricated, Natural, Glow-Wire Capable	1054292414
Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Dual Row, 14 Circuits, 0.76µm Tin (Sn) Plating, Natural, Glow-Wire Capable	1054052114
Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Dual Row, 14 Circuits, 0.38µm Gold (Au) Plating, Natural, Glow-Wire Capable	1054052214
Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Dual Row, 14 Circuits, 0.76µm Gold (Au) Plating, Natural, Glow-Wire Capable	1054052314
Nano-Fit Plug Housing, TPA Capable, 2.50mm Pitch, Dual Row, 14 Circuits, Natural, Glow-Wire Capable	2014442114

Nano-Fit Plug Housing, TPA Capable, 2.50mm Pitch, Dual Row, 14 Circuits, Natural, Panel Mount, Glow-Wire Capable	2014442214

Use with Part(s)

Description	Part Number
Pre-Crimped Lead Nano-Fit Female-to-Nano-Fit Female, Gold (Au) Plating, 150.00mm Length, 20 AWG, Black	/content/molex/molex-dot-com/us/en/products/product-page.html/797582129.html
Pre-Crimped Lead Nano-Fit Female-to-Nano-Fit Female, Gold (Au) Plating, 300.00mm Length, 20 AWG, Black	/content/molex/molex-dot-com/us/en/products/product-page.html/797582130.html
Pre-Crimped Lead Nano-Fit Female-to-Nano-Fit Female, Matte Tin (Sn) Plating, 150.00mm Length, 20 AWG, Black	/content/molex/molex-dot-com/us/en/products/product-page.html/797582139.html
Pre-Crimped Lead Nano-Fit Female-to-Nano-Fit Female, Matte Tin (Sn) Plating, 300.00mm Length, 20 AWG, Black	/content/molex/molex-dot-com/us/en/products/product-page.html/797582140.html
Nano-Fit Female Crimp Terminals	105300
Nano-Fit Terminal Position Assurance (TPA) Retainers	105325