



Part Number : 1053002100

Series Number : 105300

Product Category : Crimp Terminals

Product Description : Nano-Fit Crimp Terminal, Female, 2.54µm Matte Tin (Sn) Plating, 20-22 AWG

Status : Active

Documents & Resources

Drawings

Drawing 1053002100_sd.pdf

Packaging Design Drawing PK-105300-100-000.pdf

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

Product Specification 2192681000-PS-000.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	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 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	Crimp Terminals
Series	105300
Description	Nano-Fit Crimp Terminal, Female, 2.54µm Matte Tin (Sn) Plating, 20-22 AWG
Application	Power, Wire-to-Board, Wire-to-Wire
Product Family	Nano-Fit Power Connectors
Product Name	Nano-Fit, Nano-Fit BMI
UPC	889056003285

Electrical

Current - Maximum per Contact	8.0A
Voltage - Maximum	250V AC (RMS)/DC

Physical

Durability (mating cycles max)	25
Gender	Female
Material - Metal	High Conductivity Copper
Material - Plating Mating	Matte Tin
Material - Plating Termination	Matte Tin
Net Weight	0.100/g
Packaging Type	Reel
Plating min - Mating	2.540µm
Plating min - Termination	2.540µm
Termination Interface Style	Crimp or Compression
Wire Insulation Diameter	1.60mm

Wire Size (AWG)	20, 22
Wire Size mm ²	N/A

Use with Part(s)

Description	Part Number
Nano-Fit TPA Capable Single Row Receptacle Housings	<u>105307</u>
Nano-Fit TPA Capable Dual Row Receptacle Housings	<u>105308</u>
Nano-Fit BMI Dual Row Receptacle Housings	<u>219268</u>
Nano-Fit BMI TPA Capable Plug Housings	<u>224556</u>

Application Tooling

Global

Description	Part Number
Extraction Tool for Nano-Fit Power Connectors and Crimp Terminals, 20-26 AWG	<u>638244600</u>
Hand Crimp Tool for Nano-Fit Receptacle Terminals, 20-22 AWG UL1061 wire and 22 AWG UL1007 wire	<u>638275600</u>
FineAdjust Applicator for Nano-Fit Terminals, for 20-22 AWG UL1061 Wire with Insulation Diameter 1.05-1.60mm	<u>639032400</u>

Application Tooling

Japan

Description	Part Number
S-1 Applicator for Nano-Fit Terminals, 20-22 AWG, UL1061 Wires	<u>2047483700</u>

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