Part Number : 1053002100
Product Description : Nano-Fit Crimp Terminal, Female, 1.50µm Matte Tin (Sn) Plating, 22-20 AWG
Series Number : 105300
Status : Active
Product Category : Crimp Terminals



Documents and Resources

Drawings

1053002100_sd.pdf

PK-105300-100-000.pdf

STEP AP242

SOLIDWORKS

Creo

Specifications

AS-105300-100-001.pdf

1053001000-PS-CH-000.pdf

1053001000-PS-ES-000.pdf

1053001000-PS-JP-000.pdf

1053001000-PS-SK-000.pdf

PS-105300-100-001.pdf

2192681000-PS-000.pdf

1053001000-TS-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
China RoHS	per SJ/T 11365-2006
EU ELV	Compliant per 2000/53/EC
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-

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	DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

Compliance Statements
- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents
- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest
- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	Crimp Terminals
Series	105300
Description	Nano-Fit Crimp Terminal, Female, 1.50µm Matte Tin (Sn) Plating, 22-20 AWG
Application	Wire-to-Board, Wire-to-Wire
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

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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	1.500µm
Plating min - Termination	1.500µm
Termination Interface Style	Crimp or Compression
Wire Insulation Diameter	1.60mm
Wire Size (AWG)	20, 22
Wire Size mm^2	N/A

Mates With / Use With

Use with Part(s)

Description	Part Number
Nano-Fit TPA Capable Single Row Receptacle Housings	105307
Nano-Fit TPA Capable Dual Row Receptacle Housings	105308
Nano-Fit BMI Dual Row Receptacle Housings	219268

Application Tooling

Global

Description	Part Number
Extraction Tool for Nano-Fit Power Connectors/Terminals and DuraClik Robust Connectors/ Terminals, 26-20 AWG and 0.30-0.50mm2 Wire	638244600
Hand Crimp Tool for Nano-Fit Receptacle Terminals, 22-20 AWG UL1061 wire and 22 AWG UL1007 wire	638275600
FineAdjust Applicator for Nano-Fit	639032400

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Terminals, for 22-20 AWG UL1061 Wire with Insulation Diameter 1.05-1.60mm	

Japan

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

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