



**Part Number :** [1451300510](#)  
**Product Description :** Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Cable Assembly, Single Row, Matte Tin (Sn) Plating, 1.0m Length, 5 Circuits, Black  
**Series Number :** 145130  
**Status :** Active  
**Product Category :** Power and Signal Cable Assemblies




## Documents & Resources

- Drawings**  
[Drawing 1451300510\\_sd.pdf](#)
- 3D Models and Design Files**  
[3D Model 1451300510\\_stp.zip](#)

## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Not 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

## Part Details

### General

Status	Active
Category	Power and Signal Cable Assemblies
Series	145130
Description	Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Cable Assembly, Single Row, Matte Tin (Sn) Plating, 1.0m Length, 5 Circuits, Black
Application	Power, Wire-to-Board
Assembly Configuration	Dual Ended Connectors
Connector to Connector	Nano-Fit-to-Nano-Fit
Product Family	Nano-Fit Power Connectors
Product Name	Nano-Fit
Type	Discrete Wire Assembly
UPC	191130118922

### Electrical

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

### Physical

Cable Length	1.0m
Circuits (Loaded)	5
Circuits (maximum)	5
Color - Resin	Black
Gender	Female-Female
Lock to Mating Part	Yes
Material - Metal	High Conductivity Copper
Material - Plating Mating	Matte Tin
Material - Plating Termination	Matte Tin
Material - Resin	Nylon
Net Weight	36.460/g

Number of Rows	1
Overmolded	No
Packaging Type	Bag
Pitch - Mating Interface	2.50mm
Plating min - Mating	2.540µm
Plating min - Termination	2.540µm
Single Ended	No
Termination Interface Style	Crimp or Compression
Wire/Cable Type	UL 1061
Wire Insulation Diameter	1.57mm
Wire Size (AWG)	20

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 5 Circuits, with Kinked Pins, Tin (Sn) Plating, Black, Glow-Wire Capable, Tray	<u>1053091105</u>
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 5 Circuits, with Solder Clips, Tin (Sn) Plating, Black, Glow-Wire Capable, Tray	<u>1053111105</u>
Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Single Row, 5 Circuits, Tin (Sn) Plating, Black, Glow-Wire Capable, Tray	<u>1053131105</u>
Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Single Row, 5 Circuits, 0.76µm Tin (Sn) Plating, Black, Glow-Wire Capable	<u>1054311105</u>
Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Single Row, 5 Circuits, 0.76µm Tin (Sn) Plating, Black, Glow-Wire Capable	<u>1054301105</u>
Nano-Fit Plug Housing, TPA Capable, 2.50mm Pitch, Single Row, 5 Circuits, Black, Glow-Wire Capable	<u>2002771105</u>

Nano-Fit Plug Housing, TPA Capable, 2.50mm Pitch, Single Row, 5 Circuits, Black, Panel Mount, Glow-Wire Capable	<u>2002771205</u>
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