




**Part Number :** [2451300450](#)  
**Product Description :** Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Overmolded Cable Assembly, Dual Row, Matte Tin (Sn) Plating, 5.0m Length, 4 Circuits, Black  
**Series Number :** 245130  
**Status :** Active  
**Product Category :** Power and Signal Cable Assemblies

Documents & Resources

**Drawings**  
[2451300450\\_sd.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Not Reviewed per IEC 61249-2-21
REACH SVHC	Not Reviewed 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	Power and Signal Cable Assemblies
Series	245130
Description	Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Overmolded Cable Assembly, Dual Row, Matte Tin (Sn) Plating, 5.0m Length, 4 Circuits, Black
Application	Power, Wire-to-Board
Assembly Configuration	Dual Ended Connectors
Connector to Connector	Nano-Fit-to-Nano-Fit
Product Name	Nano-Fit
Type	Overmolded Assembly
UPC	191128813853

### Electrical

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

### Physical

Cable Length	5.0m
Circuits (Loaded)	4
Circuits (maximum)	4
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	239.000/g
Number of Rows	2
Overmolded	Yes
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 2464
Wire Insulation Diameter	5.30mm
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, Dual Row, 4 Circuits, with Kinked Pins, Tin (Sn) Plating, Black, Glow-Wire Capable, Tray	<u>1053101104</u>
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 4 Circuits, with Solder Clips, Tin (Sn) Plating, Black, Glow-Wire Capable, Tray	<u>1053121104</u>
Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Dual Row, 4 Circuits, Tin (Sn) Plating, Black, Glow-Wire Capable, Tray	<u>1053141104</u>
Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Dual Row, 4 Circuits, 0.76µm Tin (Sn) Plating, Black, Glow-Wire Capable	<u>1054291104</u>
Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Dual Row, 4 Circuits, 0.76µm Tin (Sn) Plating, Black, Glow-Wire Capable	<u>1054051104</u>
Nano-Fit Plug Housing, TPA Capable, 2.50mm Pitch, Dual Row, 4 Circuits, Black, Glow-Wire Capable	<u>2014441104</u>
Nano-Fit Plug Housing, TPA Capable, 2.50mm Pitch, Dual Row, 4 Circuits, Black, Panel Mount, Glow-Wire Capable	<u>2014441204</u>

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