



**Part Number :** [451300210](#)  
**Product Description :** Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Cable Assembly, Single Row, 1.0m Length, 2 Circuits, Black  
**Series Number :** 45130  
**Status :** Active  
**Product Category :** Power and Signal Cable Assemblies



Documents & Resources

Drawings

[451300210 sd.pdf](#)

3D Models and Design Files


[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)
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	Power and Signal Cable Assemblies
Series	45130
Description	Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Cable Assembly, Single Row, 1.0m Length, 2 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	Discrete Wire Assembly
UPC	191128141949

### Electrical

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

### Physical

Cable Length	1.0m
Circuits (Loaded)	2
Circuits (maximum)	2
Color - Resin	Black
Gender	Female-Female
Lock to Mating Part	Yes

Material - Metal	High Conductivity Copper
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	14.261/g
Number of Rows	1
Overmolded	No
Packaging Type	Bag
Pitch - Mating Interface	2.50mm
Plating min - Mating	0.381µm
Plating min - Termination	2.540µm
Single Ended	No
Termination Interface Style	Crimp or Compression
Wire/Cable Type	UL 1061
Wire Size (AWG)	20

---

## Mates With / Use With

### Mates with Part(s)

Description	Part Number
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 2 Circuits, with Kinked Pins, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	<u><a href="#">1053091202</a></u>
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 2 Circuits, with Kinked Pins, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	<u><a href="#">1053091302</a></u>
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 2 Circuits, with Kinked Pins, 0.76µm Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable, Tray	<u><a href="#">1053091402</a></u>
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 2 Circuits, with Solder Clips, 0.38µm	<u><a href="#">1053111202</a></u>

Gold (Au) Plating, Black, Glow-Wire Capable, Tray	
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 2 Circuits, with Solder Clips, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	<u>1053111302</u>
Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 2 Circuits, with Solder Clips, 0.76µm Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable, Tray	<u>1053111402</u>
Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Single Row, 2 Circuits, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	<u>1053131202</u>
Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Single Row, 2 Circuits, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable, Tray	<u>1053131302</u>
Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Single Row, 2 Circuits, 0.76µm Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable, Tray	<u>1053131402</u>
Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Single Row, 2 Circuits, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable	<u>1054311202</u>
Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Single Row, 2 Circuits, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable	<u>1054311302</u>
Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Single Row, 2 Circuits, 0.76µm Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable	<u>1054311402</u>
Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Single Row, 2 Circuits, 0.38µm Gold	<u>1054301202</u>

(Au) Plating, Black, Glow-Wire Capable	
Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Single Row, 2 Circuits, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable	<u>1054301302</u>
Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Single Row, 2 Circuits, 0.76µm Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable	<u>1054301402</u>
Nano-Fit Plug Housing, TPA Capable, 2.50mm Pitch, Single Row, 2 Circuits, Black, Glow-Wire Capable	<u>2002771102</u>
Nano-Fit Plug Housing, TPA Capable, 2.50mm Pitch, Single Row, 2 Circuits, Black, Panel Mount, Glow-Wire Capable	<u>2002771202</u>

---

This document was generated on Sep 13, 2025