

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** **0451300403**  
**Status:** **Active**  
**Overview:** Nano-Fit Power Connectors  
**Description:** Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Cable Assembly, Dual Row, 300.00mm Length, 4 Circuits, Black

**Documents:**

<a href="#">3D Model</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">3D Model (PDF)</a>	

**General**

Product Family	Cable Assemblies
Series	<u>45130</u>
Application	Power, Wire-to-Board
Assembly Configuration	Dual Ended Connectors
Connector to Connector	Nano-Fit-to-Nano-Fit
Overmolded	No
Overview	<u>Nano-Fit Power Connectors</u>
Product Name	Nano-Fit
Type	Discrete Wire Assembly
UPC	191128142120

**Physical**

Cable Length	300.00mm
Circuits (Loaded)	4
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	10.199/g
Number of Rows	2
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 Insulation Diameter	1.46mm
Wire Size AWG	20
Wire/Cable Type	UL 1061

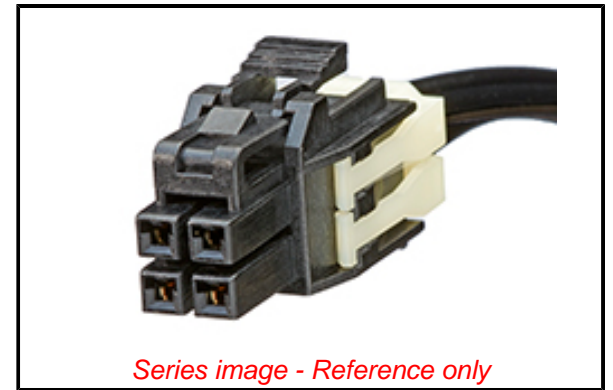
**Electrical**

Current - Maximum per Contact	6.0A
Voltage - Maximum	250V AC (RMS)

**Material Info**

**Reference - Drawing Numbers**

Sales Drawing	2012341658-000
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**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

45130 Series

**Mates With**

Nano-Fit Vertical Through Hole Headers  
1053101204 , 1053101304 , 1053101404 ,  
1053121204 , 1053121304 , 1053121404 .  
 Nano-Fit Right-Angle Through Hole Headers  
1053141204 , 1053141304 , 1053141404 .  
 Nano-Fit Vertical SMT Headers 1054291204  
 , 1054291304 , 1054291404 . Nano-Fit  
 Right-Angle SMT Headers 1054051204  
 , 1054051304 . Nano-Fit Plug Housing  
2014441104 , 2014441204

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