

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

**Part Number:** **0451300610**  
**Status:** **Active**  
**Overview:** Nano-Fit Power Connectors  
**Description:** Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Cable Assembly, Dual Row, 1.0m Length, 6 Circuits, Black

**Documents:**

[3D Model](#) [Datasheet \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[3D Model \(PDF\)](#)

**General**

Product Family	Cable Assemblies
Series	<a href="#">45130</a>
Application	Power, Wire-to-Board
Assembly Configuration	Dual Ended Connectors
Connector to Connector	Nano-Fit-to-Nano-Fit
Overmolded	No
Overview	<a href="#">Nano-Fit Power Connectors</a>
Product Name	Nano-Fit
Type	Discrete Wire Assembly
UPC	191128141918

**Physical**

Cable Length	1.0m
Circuits (Loaded)	6
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	41.492/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

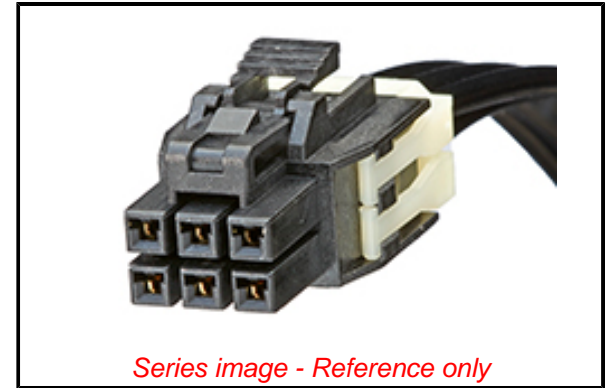
**Electrical**

Current - Maximum per Contact	5.7A
Voltage - Maximum	250V AC (RMS)

**Material Info**

**Reference - Drawing Numbers**

Sales Drawing	2012341659-000
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**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)9139-DC (19  
Jan 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  
[1053101206](#) , [1053101306](#) , [1053101406](#) ,  
[1053121206](#) , [1053121306](#) , [1053121406](#) .  
 Nano-Fit Right-Angle Through Hole Headers  
[1053141206](#) , [1053141306](#) , [1053141406](#) .  
 Nano-Fit Vertical SMT Headers [1054291206](#)  
 , [1054291306](#) , [1054291406](#) . Nano-Fit  
 Right-Angle SMT Headers [1054051206](#)  
 , [1054051306](#) . Nano-Fit Plug Housing  
[2014441106](#) , [2014441206](#)

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