

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

**Part Number:** [2451301005](#)  
**Status:** **Active**  
**Overview:** [Nano-Fit Power Connectors](#)  
**Description:** Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Overmolded Cable Assembly, Dual Row, 500.00mm Length, 10 Circuits, Black

**Documents:**

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

Product Family	Cable Assemblies
Series	<a href="#">245130</a>
Application	Power, Wire-to-Board
Assembly Configuration	Dual Ended Connectors
Connector to Connector	Nano-Fit-to-Nano-Fit
Overmolded	Yes
Overview	<a href="#">Nano-Fit Power Connectors</a>
Product Name	Nano-Fit OTS
UPC	191128814713

**Physical**

Cable Length	500.00mm
Circuits (Loaded)	10
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
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 Insulation Diameter	7.70mm
Wire Size AWG	20
Wire/Cable Type	UL 2464

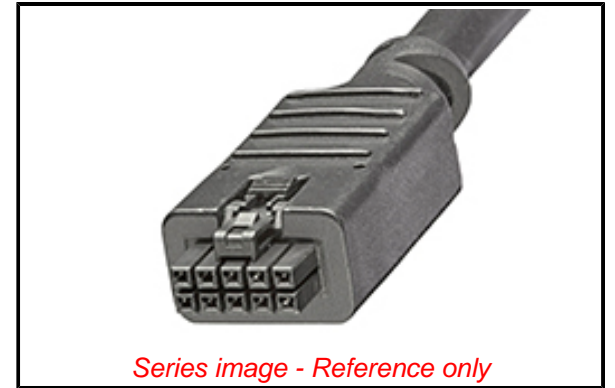
**Electrical**

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

**Material Info**

**Reference - Drawing Numbers**

Sales Drawing	4000071381-000
---------------	----------------



**EU ELV**

**Not Reviewed**

**EU RoHS**

**Not Reviewed**

**REACH SVHC**

Not Reviewed

**Halogen-Free**

**Status**

**Not Reviewed**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS	Not Reviewed
------------	--------------

ELV	Not Reviewed
-----	--------------

RoHS Phthalates	Not Reviewed
-----------------	--------------

**Search Parts in this Series**

[245130](#) Series

**Mates With**

Nano-Fit Headers [105309](#) , [105311](#) , [105313](#)