

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

**Part Number:** [2451300220](#)  
**Status:** **Active**  
**Overview:** [Nano-Fit Power Connectors](#)  
**Description:** Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Overmolded Cable Assembly, Single Row, 2.0m Length, 2 Circuits, Black

**Documents:**  
[Drawing \(PDF\)](#) [Product Literature \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

**General**  
Product Family Cable Assemblies  
Series [245130](#)  
Application Power, Wire-to-Board  
Assembly Configuration Dual Ended Connectors  
Connector to Connector Nano-Fit-to-Nano-Fit  
Overmolded Yes  
Overview [Nano-Fit Power Connectors](#)  
Product Name Nano-Fit  
Type Overmolded Assembly  
UPC 191128813372

**Physical**  
Cable Length 2.0m  
Circuits (Loaded) 2  
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 67.010/g  
Number of Rows 1  
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 4.60mm  
Wire Size AWG 20  
Wire/Cable Type UL 2464

**Electrical**  
Current - Maximum per Contact 7.0A  
Voltage - Maximum 250V AC (RMS)

**Material Info**

**Reference - Drawing Numbers**  
Sales Drawing 4000071375-000



**EU ELV**  
**Not Relevant**

|                                                                                                                                        |                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>EU RoHS</b><br><b>Compliant</b><br><b>REACH SVHC</b><br>Not Reviewed<br><b>Halogen-Free</b><br><b>Status</b><br><b>Not Reviewed</b> | <b>China RoHS</b><br><br><br><br><br><br><br><br>China ROHS Green Image<br>ELV Not Relevant<br>RoHS Phthalates Not Contained |
|----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|

**Search Parts in this Series**  
[245130](#) Series

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