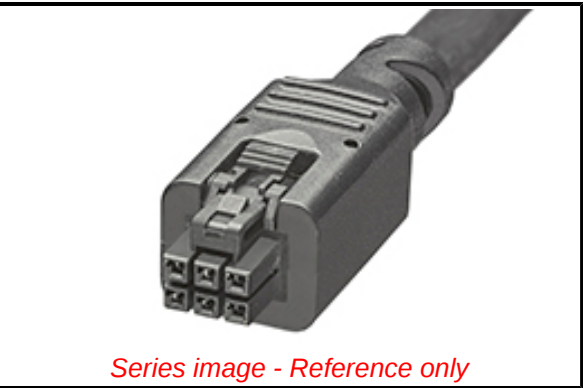


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**Part Number:** [2451300605](#)  
**Status:** **Active**  
**Overview:** [Nano-Fit Power Connectors](#)  
**Description:** Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Overmolded Cable Assembly, Dual Row, Matte Tin (Sn) Plating, 500.00mm Length, 6 Circuits, Black



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

**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  
Taxonomy Power and Signal Cable Assembl  
Type Overmolded Assembly  
UPC 191128813860

**Physical**  
Cable Length 500.00mm  
Circuits (Loaded) 6  
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 37.370/g  
Number of Rows 2  
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 6.20mm  
Wire Size AWG 20  
Wire/Cable Type UL 2464

**Electrical**  
Current - Maximum per Contact 8.0A  
Voltage - Maximum 250V AC/DC

**Material Info**

**Reference - Drawing Numbers**  
Sales Drawing 4000071378-000

**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>Green Image<br>Not Contained |
|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|

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

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

**Mates With**  
Nano-Fit Vertical Through Hole Headers [1053101106](#) , [1053121106](#) . Nano-Fit Right-Angle Through Hole Headers [1053141106](#) . Nano-Fit Vertical SMT Headers [1054291106](#) . Nano-Fit Right-Angle SMT Headers [1054051106](#) . Nano-Fit Plug Housing [2014441106](#) , [2014441206](#)