

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

**Part Number:** [2451300850](#)  
**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, 5.0m Length, 8 Circuits, Black

**Documents:**

[Drawing \(PDF\)](#)

[Datasheet \(PDF\)](#)

[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
Type	Overmolded Assembly
UPC	191128814607

**Physical**

Cable Length	5.0m
Circuits (Loaded)	8
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	400.930/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	6.70mm
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	4000071380-000
---------------	----------------



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Reviewed

**Halogen-Free**

**Status**

**Not Reviewed**

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**

[245130 Series](#)

**Mates With**

Nano-Fit Vertical Through Hole Headers [1053101108](#) , [1053121108](#) . Nano-Fit Right-Angle Through Hole Headers [1053141108](#) . Nano-Fit Vertical SMT Headers [1054291108](#) . Nano-Fit Right-Angle SMT Headers [1054051108](#) . Nano-Fit Plug Housing [2014441108](#) , [2014441208](#)