

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

**Part Number:** [2451300250](#)  
**Status:** **Active**  
**Overview:** Nano-Fit Power Connectors  
**Description:** Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Overmolded Cable Assembly, Single Row, Matte Tin (Sn) Plating, 5.0m Length, 2 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                    | 191128813396                              |

**Physical**

|                                |                          |
|--------------------------------|--------------------------|
| Cable Length                   | 5.0m                     |
| 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                     | 161.510/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 | 8.0A       |
| Voltage - Maximum             | 250V AC/DC |

**Material Info**

**Reference - Drawing Numbers**

|               |                |
|---------------|----------------|
| Sales Drawing | 4000071375-000 |
|---------------|----------------|



*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 [1053091102](#) , [1053111102](#) . Nano-Fit Right-Angle Through Hole Headers [1053131102](#) . Nano-Fit Vertical SMT Headers [1054311102](#) . Nano-Fit Right-Angle SMT Headers [1054301102](#) . Nano-Fit Plug Housing [2002771102](#) , [2002771202](#)