

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

**Part Number:** [0451300610](#)  
**Status:** **Active**  
**Overview:** Nano-Fit Power Connectors  
**Description:** Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Cable Assembly, Dual Row, 1.0m Length, 6 Circuits, Black

**Documents:**

|                                |  |
|--------------------------------|--|
| <a href="#">3D Model</a>       | <a href="#">RoHS Certificate of Compliance (PDF)</a> |
| <a href="#">Drawing (PDF)</a>  | <a href="#">Product Literature (PDF)</a>             |
| <a href="#">3D Model (PDF)</a> |  |

**General**

|                        |   |
|------------------------|---|
| Product Family         | Cable Assemblies                          |
| Series                 | <a href="#">45130</a>                     |
| Application            | Power, Wire-to-Board                      |
| Assembly Configuration | Dual Ended Connectors                     |
| Connector to Connector | Nano-Fit-to-Nano-Fit                      |
| Overmolded             | No  |
| Overview               | <a href="#">Nano-Fit Power Connectors</a> |
| Product Name           | Nano-Fit                                  |
| Type                   | Discrete Wire Assembly                    |
| UPC                    | 191128141918                              |

**Physical**

|                                |                          |
|--------------------------------|--------------------------|
| Cable Length                   | 1.0m                     |
| Circuits (Loaded)              | 6                        |
| Color - Resin                  | Black                    |
| Gender                         | Female-Female            |
| Lock to Mating Part            | Yes                      |
| Material - Metal               | High Conductivity Copper |
| Material - Plating Mating      | Gold                     |
| Material - Plating Termination | Tin                      |
| Material - Resin               | Nylon                    |
| Net Weight                     | 41.492/g                 |
| Number of Rows                 | 2                        |
| Packaging Type                 | Bag                      |
| Pitch - Mating Interface       | 2.50mm                   |
| Plating min - Mating           | 0.381µm                  |
| Plating min - Termination      | 2.540µm                  |
| Single Ended                   | No                       |
| Termination Interface: Style   | Crimp or Compression     |
| Wire Insulation Diameter       | 1.46mm                   |
| Wire Size AWG                  | 20                       |
| Wire/Cable Type                | UL 1061                  |

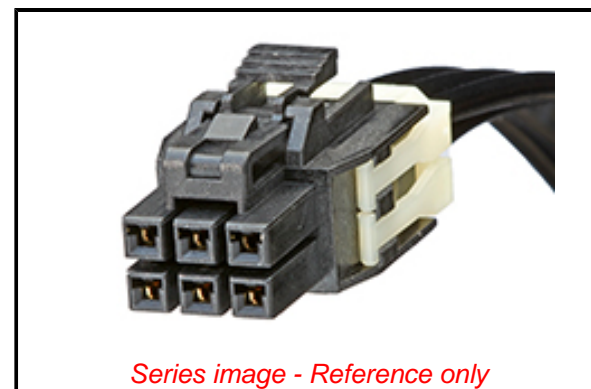
**Electrical**

|                               |               |
|-------------------------------|---------------|
| Current - Maximum per Contact | 5.7A          |
| Voltage - Maximum             | 250V AC (RMS) |

**Material Info**

**Reference - Drawing Numbers**

|               |                |
|---------------|----------------|
| Sales Drawing | 2012341659-000 |
|---------------|----------------|



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)4578-DC (25  
June 2020)

**Halogen-Free**

**Status**

**Not Low-Halogen**

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**

[45130 Series](#)

**Mates With**

Nano-Fit Headers [105310](#) , [105312](#) , [105314](#)