**Part Number :** 2451300205
**Series Number :** 245130
**Status :** Preliminary



**Drawings**

2451300205_sd.pdf

2451300205_stp.zip

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Not Relevant |
| China RoHS | per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Not Reviewed per IEC 61249-2-21 |
| REACH SVHC | Not Reviewed per D(2025)7771-DC (04 Feb 2026) |
| EU RoHS | Compliant per EU 2015/863 |

Compliance Statements
- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents
- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest
- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

## Part Details

### General

| | |
|---|---|
| Status | Preliminary |
| Category | Power and Signal Cable Assemblies |
| Series | 245130 |
| Description | Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Overmolded Cable Assembly, Single Row, Matte Tin (Sn) Plating, 500.00mm Length, 2 Circuits, Black |
| Application | Wire-to-Board |
| Assembly Configuration | Dual Ended Connectors |
| Connector to Connector | Nano-Fit-to-Nano-Fit |
| Product Name | Nano-Fit |
| Type | Overmolded Assembly |
| UPC | 191128813358 |

### Electrical

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

### Physical

| | |
|---|---|
| Cable Length | 500.00mm |
| Circuits (Loaded) | 2 |
| Circuits (maximum) | 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 | 19.760/g |

| | |
|---|---|
| Number of Rows | 1 |
| Overmolded | Yes |
| 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/Cable Type | UL 2464 |
| Wire Size (AWG) | 20 |

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 2 Circuits, with Kinked Pins, Tin (Sn) Plating, Black, Glow-Wire Capable, Tray | 1053091102 |
| Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 2 Circuits, with Solder Clips, Tin (Sn) Plating, Black, Glow-Wire Capable, Tray | 1053111102 |
| Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Single Row, 2 Circuits, Tin (Sn) Plating, Black, Glow-Wire Capable, Tray | 1053131102 |
| Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Single Row, 2 Circuits, 0.76µm Tin (Sn) Plating, with Pick-and-Place Tape, Black, Glow-Wire Capable | 1054311102 |
| Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Single Row, 2 Circuits, 0.76µm Tin (Sn) Plating, Black, Glow-Wire Capable | 1054301102 |

| | |
|---|---|
| Nano-Fit Plug Housing, TPA Capable, 2.50mm Pitch, Single Row, 2 Circuits, Black, Glow-Wire Capable | 2002771102 |
| Nano-Fit Plug Housing, TPA Capable, 2.50mm Pitch, Single Row, 2 Circuits, Black, Panel Mount, Glow-Wire Capable | 2002771202 |