



**Part Number :** [2050581002](#)  
**Product Description :** Nano-Pitch I/O Straight-to-Nano-Pitch I/O Straight Cable Assembly, 8x, 76 Circuits, 34 AWG, Improved Latch Design, 1.0m Length  
**Series Number :** 205058  
**Status :** Obsolete  
**Product Category :** High-Speed I/O Cable Assemblies



## Documents & Resources

## Product Environment Compliance

### Compliance

|                    |                                                 |
|--------------------|-------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                    |
| China RoHS         |                                                 |
| EU ELV             | Not Relevant                                    |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                  |
| REACH SVHC         | Not Contained per D(2024)4144-DC (27 June 2024) |
| EU RoHS            | Compliant per EU 2015/863                       |

### Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

### Multiple Part Industry Compliance Documents

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

### EU RoHS Certificate of Compliance

## Part Details

### General

|                        |                                                                                                                                |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Status                 | Obsolete                                                                                                                       |
| Category               | High-Speed I/O Cable Assemblies                                                                                                |
| Series                 | 205058                                                                                                                         |
| Description            | Nano-Pitch I/O Straight-to-Nano-Pitch I/O Straight Cable Assembly, 8x, 76 Circuits, 34 AWG, Improved Latch Design, 1.0m Length |
| Assembly Configuration | Dual Ended Connectors                                                                                                          |
| Connector to Connector | Nano-Pitch I/O Both Ends                                                                                                       |
| Product Name           | Nano-Pitch I/O                                                                                                                 |
| Type                   | Internal                                                                                                                       |
| UPC                    | 191128397773                                                                                                                   |

#### Agency

|    |        |
|----|--------|
| UL | E72548 |
|----|--------|

#### Electrical

|                               |                 |
|-------------------------------|-----------------|
| Current - Maximum per Contact | 0.5A            |
| Data Rate                     | 25.0 Gbps       |
| Voltage - Maximum             | 30V AC (RMS)/DC |

#### Physical

|                                |                        |
|--------------------------------|------------------------|
| Cable Bundling                 | Woven Braid            |
| Cable Length                   | 1.0m                   |
| Circuits (Loaded)              | 80 (76)                |
| Color - Resin                  | Black                  |
| Gender                         | Plug/Plug              |
| Lock to Mating Part            | Yes                    |
| Material - Metal               | Copper Alloy           |
| Material - Plating Mating      | Gold                   |
| Material - Plating Termination | Tin                    |
| Material - Resin               | Liquid Crystal Polymer |
| Net Weight                     | 59.030/g               |
| Orientation                    | Straight-to-Straight   |
| Packaging Type                 | Bag                    |
| Release Style                  | Thumb Release          |

|                 |        |
|-----------------|--------|
| Single Ended    | No     |
| Wire/Cable Type | Twinax |
| Wire Size (AWG) | 34     |