



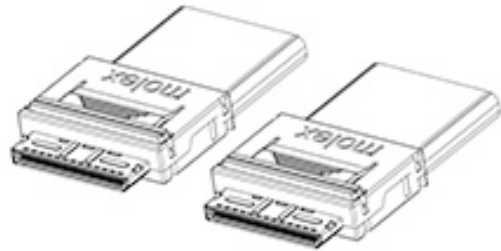
**Part Number :** [2050581001](#)

**Product Description :** Nano-Pitch I/O-to-Nano-Pitch I/O Cable Assembly, Straight Plug to Straight Plug, 8x (76 Circuits), 34 AWG, Improved Latch Design, 0.50m Length

**Series Number :** 205058

**Status :** Active

**Product Category :** High-Speed I/O Cable Assemblies



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## Documents & Resources

### Drawings

[Drawing 2050581001\\_sd.pdf](#)

### 3D Models and Design Files

[3D Model 2050581001\\_stp.zip](#)


### Specifications

[Application Specification 2002260000-000.pdf](#)

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## 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(2023)3788-DC (14 Jun 2023)
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

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## Part Details

### General

Status	Active
Category	High-Speed I/O Cable Assemblies
Series	205058
Description	Nano-Pitch I/O-to-Nano-Pitch I/O Cable Assembly, Straight Plug to Straight Plug, 8x (76 Circuits), 34 AWG, Improved Latch Design, 0.50m Length
Assembly Configuration	Dual Ended Connectors
Connector to Connector	Nano-Pitch I/O Both Ends
Product Family	Nano-Pitch I/O Interconnect System
Product Name	Nano-Pitch I/O
Type	Internal
UPC	191128397766

### Agency

UL	E72548
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### 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	0.50m
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	40.273/g
Packaging Type	Bag
Release Style	Thumb Release
Single Ended	No
Wire/Cable Type	Twinax
Wire Size (AWG)	34

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
Nano-Pitch I/O Receptacles	<u>173162</u>