

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

**Part Number:** [2050581000](#)  
**Status:** **Active**  
**Overview:** Nano-Pitch I/O Interconnect System  
**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, 0.30m Length

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification 2002260000-000 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification 2050581000-PK (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

UL E72548

**General**

Product Family	Cable Assemblies
Series	<a href="#">205058</a>
Assembly Configuration	Dual Ended Connectors
Connector to Connector	Nano-Pitch I/O Both Ends
Overview	<a href="#">Nano-Pitch I/O Interconnect System</a>
Product Name	Nano-Pitch I/O
UPC	191128397759

**Physical**

Cable Length	0.30m
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	32.960/g
Number of Rows	2
Packaging Type	Bag
Single Ended	No
Wire Size AWG	34
Wire/Cable Type	Twinax

**Electrical**

Current - Maximum per Contact	0.5A
Shielded	No
Voltage - Maximum	30V AC (RMS)/DC

**Material Info**

**Reference - Drawing Numbers**

Application Specification	2002260000-000
Packaging Specification	2050581000-PK
Sales Drawing	2050581000-000



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)9139-DC (19  
Jan 2021)

**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**

[205058](#) Series

**Mates With**

Nano-Pitch I/O Receptacles [173162](#)