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**Part Number:** **501083-4010**  
**Status:** **Active**  
**Overview:** Micro Miniature IDT Connectors  
**Description:** 0.40mm Pitch Wire-to-Board PCB Receptacle, Vertical, 40 Circuits

**Documents:**

[3D Model](#) [Product Specification PS-501083-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

Product Family	PCB Receptacles
Series	501083
Application	Signal, Wire-to-Board
Overview	<u>Micro Miniature IDT Connectors</u>
Product Name	N/A
UPC	822348337361

**Physical**

Circuits (Loaded)	40
Circuits (maximum)	40
Color - Resin	Black
Durability (mating cycles max)	10
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze, Stainless Steel
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	High Temperature Thermoplastic
Net Weight	168.214/mg
Number of Rows	1
Orientation	Vertical
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	0.40mm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Temperature Range - Operating	-30°C to +75°C
Termination Interface: Style	Surface Mount

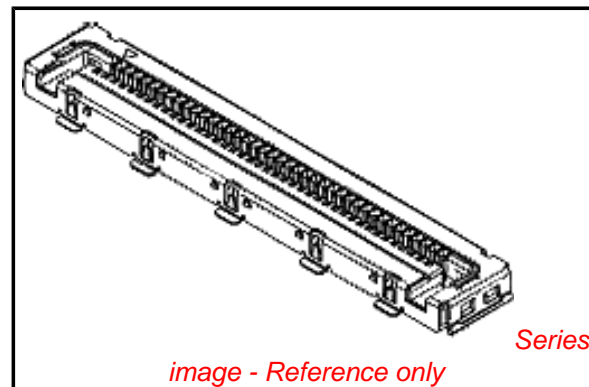
**Electrical**

Current - Maximum per Contact	0.2A
Voltage - Maximum	30V AC (RMS)/DC

**Material Info**

**Reference - Drawing Numbers**

Product Specification	PS-501083-001, RPS-501083-001, RPS-501083-002, RPS-501083-003
Sales Drawing	SD-501083-001, SD-501083-002



**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Low-Halogen Status**  
**Low-Halogen**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

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**Search Parts in this Series**

501083Series

**Mates With**

Contact Molex for mating plug harness details