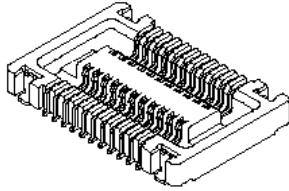


**Part Number: 500024-1681**

**0.40mm Pitch Board-to-Board SlimStack™ Receptacle, Surface Mount, Dual Row, Vertical, 0.95mm Mated Height, with Friction Lock, 16 Circuits, Lead-Free**



Series image - Reference only

<b>Status:</b>	Contact Molex
<b>Series:</b>	500024
<b>Category:</b>	PCB Receptacles
<b>Overview:</b>	<a href="#">SlimStack™ 0.40mm Pitch Board-to-Board Connectors</a>

**Mates With Part(s):**

[500027](#)

**Part Detail****General**

<b>Status</b>	<b>Contact Molex</b>
Category	PCB Receptacles
Series	<a href="#">500024</a>
Application	Board-to-Board, Signal
Comments	Solder Tab Plating: Lead-Free, Tin
Overview	<a href="#">SlimStack™ 0.40mm Pitch Board-to-Board Connectors</a>
Product Name	SlimStack™

**Physical**

Circuits (Loaded)	16
Circuits (maximum)	16
Color - Resin	Natural
Durability (mating cycles max)	10
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Mated Height	0.95mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Vertical
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	0.40mm
Pitch - Termination Interface	0.40mm
Plating min - Mating	0.102µm
Plating min - Termination	0.051µm
Polarized to PCB	No
Surface Mount Compatible (SMC)	N/A
Temperature Range - Operating	-25°C to +85°C
Termination Interface: Style	Surface Mount

**Electrical**

**(Please review the Product Specification for specific details.)**

Current - Maximum per Contact	0.1A
Voltage - Maximum	50V

**Material Info**

UPC	822348425549
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**Reference - Drawing Numbers**

Packaging Specification	SPK-500024-001
Product Specification	PS-500024-011, RPS-500024-019, RPS-500024-024, RPS-500024-025, RPS-500024-030, RPS-500024-031, RPS-500024-032, RPS-500024-034, RPS-500024-038, RPS-500024-039, RPS-500024-040, RPS-500024-041
Sales Drawing	SD-500024-020, SD-500024-021

**Application Tooling**

**Application Tooling**

Tooling specifications and manuals are found by selecting the products below.

Crimp Height Specifications are then contained in the Application Tooling Specification document.

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**Previously Available Application Tooling**

[Check our list of old tooling that used to be available for this part](#)