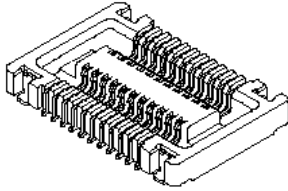


**Part Number: 500024-5021**

**0.40mm Pitch Board-to-Board SlimStack™ Receptacle, Surface Mount, Dual Row, Vertical, 0.95mm Mated Height, without Friction Lock, 50 Circuits, Lead-Free**



Series image - Reference only

**Status:** Contact Molex  
**Series:** 500024  
**Category:** PCB Receptacles  
**Overview:** SlimStack™ 0.40mm Pitch Board-to-Board Connectors

**Mates With Part(s):**

500027 PCB Header

**Product Environmental Compliance**

**EU RoHS:** ELV and RoHS Compliant

**China RoHS:** 

**REACH SVHC:** Contains SVHC: No

**Low-Halogen Status:** Low-Halogen

**Part Detail****General**

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

**Physical**

Circuits (Loaded)	50
Circuits (maximum)	50
Color - Resin	Natural
Durability (mating cycles max)	10
Glow-Wire Compliant	No
Lock to Mating Part	None
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 Mating Part	No
Polarized to PCB	No
Stackable	No
Surface Mount Compatible (SMC)	Yes
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 AC (RMS)/DC

**Material Info**

UPC	822350747486
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**Reference - Drawing Numbers**

Product Specification	PS-500024-013
Sales Drawing	SD-500024-028, SD-500024-029

**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](#)