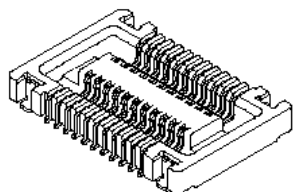**molex®**
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Part Number: 500024-1681

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

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

Series image - Reference only

Mates With Part(s):
500027

Part Detail

General

Status	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)	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

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.

Previously Available Application Tooling
Check our list of old tooling that used to be available for this part