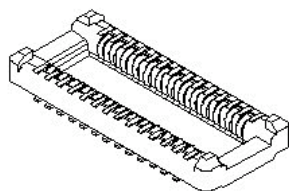


**Part Number: 500027-2041**

**0.40mm Pitch Board-to-Board SlimStack™ Plug, Surface Mount, Dual Row, Vertical, 0.95mm Mated Height, with Friction Lock, Lead-Free, 20 Circuits, Reel Size Diameter 330.00mm, Reel Quantity 2,000**



Series image - Reference only

<b>Status:</b>	Contact Molex
<b>Series:</b>	500027
<b>Category:</b>	PCB Headers
<b>Overview:</b>	<a href="#">SlimStack™ 0.40mm Pitch Board-to-Board Connectors</a>

**Mates With Part(s):**

[500024](#) SlimStack™ Board-to-Board Receptacle

**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>	<b>Contact Molex</b>
Category	PCB Headers
Series	<a href="#">500027</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**

Breakaway	No
Circuits (Loaded)	20
Circuits (maximum)	20
Color - Resin	Natural
Durability (mating cycles max)	10
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Keying to Mating Part	None
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
PC Tail Length	0.47mm
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	0.035µm
Polarized to Mating Part	No
Polarized to PCB	No
Shrouded	Partial
Stackable	No
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	822348804221
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**Reference - Drawing Numbers**

Product Specification	PS-500024-011, RPS-500024-019, RPS-500024-025, RPS-500024-030, RPS-500024-031, RPS-
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	500024-032, RPS-500024-034, RPS-500024-038, RPS-500024-039, RPS-500024-040, RPS-
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	500024-041
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Sales Drawing	SD-500027-028, SD-500027-029
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### 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](#)