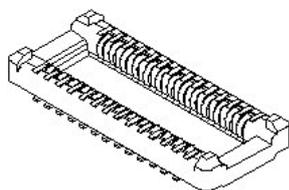# molex®
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Part Number: 500027-2041

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

Status:	Contact Molex
Series:	500027
Category:	PCB Headers
Overview:	SlimStack™ 0.40mm Pitch Board-to-Board Connectors

Series image - Reference only

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

Status	**Contact Molex**
Category	PCB Headers
Series	500027
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

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

Reference - Drawing Numbers

Product Specification	PS-500024-011, RPS-500024-019, 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-500027-028, SD-500027-029

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.

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