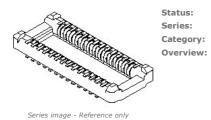


Part Number: 500027-1641

0.40mm Pitch Board-to-Board SlimStack™ Plug, Surface Mount, Dual Row, Vertical, 0.95mm Mated Height, with Friction Lock, Lead-Free, 16 Circuits, Reel Size Diameter 330.00mm, Reel Quantity 2,000



Status: Contact Molex Series: 500027 PCB Headers Category:

SlimStack™ 0.40mm Pitch Board-to-Board Connectors

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: Not Reviewed

Part Detail

Part Detail	
General	
Status	Contact Molex
Category	PCB Headers
Series	<u>500027</u>
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)	16
Circuits (maximum)	16
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 - Metal 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	on for specific details.)
Current - Maximum per Contact	0.1A
Voltage - Maximum	50V
Material Info	
UPC	822348858231
Reference - Drawing Numbers	
Product Specification	PS-500024-011, RPS-500024-019, RPS-500024-025, RPS-500024-030, RPS-500024-031, RPS-
Froduct Specification	

500024-032, RPS-500024-034, RPS-500024-038, RPS-500024-039, RPS-500024-040, RPS-500024-041 SD-500027-028, SD-500027-029

Application Tooling

Sales Drawing

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