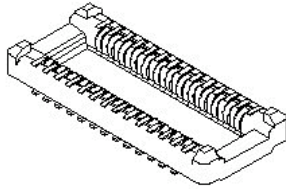


**Part Number: 500027-5091**

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



Series image - Reference only

Status: Contact Molex
Series: 500027
Category: PCB Headers
Overview: 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**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)	50
Circuits (maximum)	50
Color - Resin	Black
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	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
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	822348834846
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Reference - Drawing Numbers

Product Specification	PS-500024-012, RPS-500024-033
Sales Drawing	SD-500027-031, SD-500027-032

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](#)