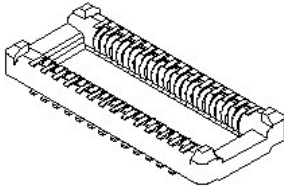


**Part Number: 500027-6442**

0.40mm Pitch Board-to-Board SlimStack™ Plug, Surface Mount, Dual Row, Vertical, 0.95mm Mated Height, without Friction Lock, Lead-Free, 64 Circuits, Nickel Under Plating, Reel Size Diameter 380mm, Reel Quantity 3,000



Series image - Reference only

Status: **OBSOLETE**
Replacement: 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:

Low-Halogen Status: Not Reviewed

Part Detail**General**

| | |
|---------------|-------------------------------------------------------------------|
| Status | Obsolete |
| 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) | 64 |
| Circuits (maximum) | 64 |
| 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 | 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 | 822348858262 |
|-----|--------------|

Reference - Drawing Numbers

| | |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Product Specification | PS-500024-011, RPS-500024-019, RPS-500024-025, RPS-500024-030, RPS-500024-032, RPS-500024-034, RPS-500024-038, RPS-500024-040, RPS-500024-041 |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|

Sales Drawing

SD-500027-028, SD-500027-030

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](#)