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Part Number: [5000245021](#)
Status: **Active**
Description: 0.40mm (.016") Pitch Board-to-Board SlimStack™ Receptacle, Surface Mount, Dual Row, Vertical, 0.95mm (.037") Mated Height, without Friction Lock, 50 Circuits, Lead-free

Documents:

[3D Model](#) [Product Specification PS-500024-013 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

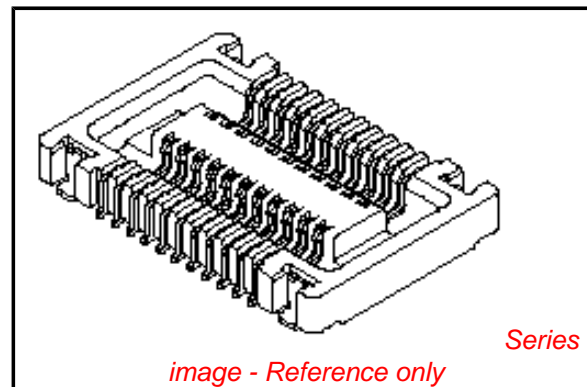
| | |
|----------------|------------------------------------|
| Product Family | PCB Receptacles |
| Series | 500024 |
| Application | Board-to-Board |
| Comments | Solder Tab Plating: Lead-Free, Tin |
| Product Name | SlimStack™ |

Physical

| | |
|--------------------------------|--------------------------------|
| Circuits (Loaded) | 50 |
| Circuits (maximum) | 50 |
| Color - Resin | Natural |
| Durability (mating cycles max) | 10 |
| Glow-Wire Compliant | No |
| Lock to Mating Part | None |
| Mated Height (in) | 0.037 In |
| Mated Height (mm) | 0.95 mm |
| 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 (in) | 0.000 In |
| PC Tail Length (mm) | 0.00 mm |
| PCB Locator | No |
| PCB Retention | Yes |
| PCB Thickness Recommended (in) | 0.000 In |
| PCB Thickness Recommended (mm) | 0.00 mm |
| Packaging Type | Embossed Tape on Reel |
| Pitch - Mating Interface (in) | 0.016 In |
| Pitch - Mating Interface (mm) | 0.40 mm |
| Pitch - Term. Interface (in) | 0.016 In |
| Pitch - Term. Interface (mm) | 0.40 mm |
| Plating min: Mating (µin) | 4 |
| Plating min: Mating (µm) | 0.1 |
| Plating min: Termination (µin) | 2 |
| Plating min: Termination (µm) | 0.05 |
| Polarized to Mating Part | No |
| Polarized to PCB | No |
| Stackable | No |
| Surface Mount Compatible (SMC) | Yes |
| Temperature Range - Operating | -25°C to +85°C |
| Termination Interface: Style | Surface Mount |

Electrical

| | |
|-------------------|------|
| Current - Maximum | 0.1A |
|-------------------|------|



EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

Need more information on product environmental compliance?

Email productcompliance@molex.com
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

China RoHS



Search Parts in this Series

500024Series

Mates With

500027 PCB Header

Voltage - Maximum

50V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Product Specification

PS-500024-013

Sales Drawing

SD-500024-028, SD-500024-029

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