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**Part Number:** [5000242081](#)  
**Status:** **Active**  
**Description:** 0.40mm (.016") Pitch Board-to-Board SlimStack™ Receptacle, Surface Mount, Dual Row, Vertical, 0.95mm (.037") Mated Height, with Friction Lock, 20 Circuits, Lead-free

**Documents:**

[3D Model](#) [Product Specification PS-500024-011 \(PDF\)](#)  
[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) 20  
 Color - Resin Natural  
 Durability (mating cycles max) 10  
 Glow-Wire Compliant No  
 Lock to Mating Part Yes  
 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  
 PCB Locator No  
 PCB Retention Yes  
 Packaging Type Embossed Tape on Reel  
 Pitch - Mating Interface (in) 0.016 In  
 Pitch - Mating 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 PCB No  
 Surface Mount Compatible (SMC) N/A  
 Temperature Range - Operating -25°C to +85°C  
 Termination Interface: Style Surface Mount

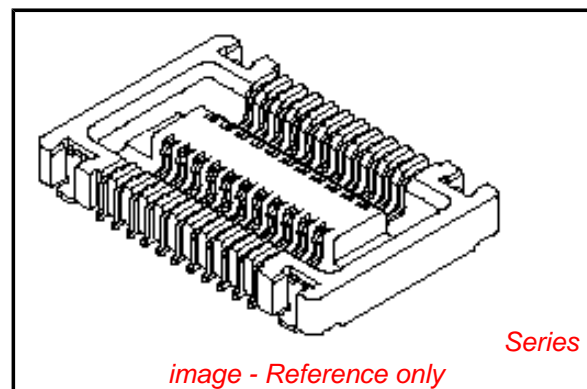
**Electrical**

Current - Maximum 0.1A  
 Voltage - Maximum 50V

**Material Info**

**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-500024-020, SD-500024-021



**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC**  
 Not Reviewed  
**Halogen-Free Status**  
**Not Reviewed**

**China RoHS**



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**Search Parts in this Series**

500024Series

**Mates With**

500027

This document was generated on 02/11/2010

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