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**Part Number:** [501017-0508](#)  
**Status:** **Active**  
**Description:** 0.40mm Pitch Board-to-Board Receptacle, SMT, Dual Row, Vertical, 4.00mm Stacking Height, 50 Circuits

**Documents:**

[3D Model](#) [Packaging Specification SPK-501017-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-54684-008 \(PDF\)](#)

**General**

Product Family	PCB Headers
Series	<a href="#">501017</a>
Application	Board-to-Board, Signal
Product Name	N/A
UPC	822350842037

**Physical**

Breakaway	No
Circuits (Loaded)	50
Circuits (maximum)	50
Color - Resin	Brown
Durability (mating cycles max)	30
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	None
Mated Height	4.00mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Net Weight	148.000/mg
Number of Rows	2
Orientation	Vertical
PCB Locator	No
PCB Retention	None
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	0.40mm
Pitch - Termination Interface	0.40mm
Polarized to Mating Part	No
Polarized to PCB	No
Stackable	No
Temperature Range - Operating	-25°C to +105°C
Termination Interface: Style	Surface Mount

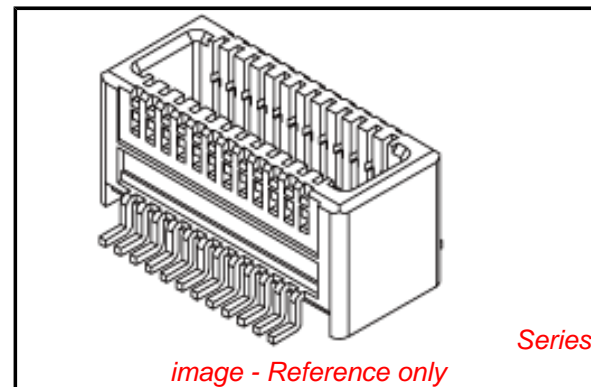
**Electrical**

Current - Maximum per Contact	0.3A
Voltage - Maximum	30V AC (RMS)/DC

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification	SPK-501017-001
Product Specification	PS-54684-008, RPS-54684-020, RPS-54684-023
Sales Drawing	SD-501017-001, SD-501017-002



**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Low-Halogen Status**  
**Low-Halogen**

**China RoHS**



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Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
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Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[501017Series](#)

**Mates With**

[54684 PCB Receptacle](#)

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