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**Part Number:** [53309-1670](#)  
**Status:** **Active**  
**Description:** 0.80mm Pitch Board-to-Board Header, Surface Mount, Dual Row, Right Angle, Lead-Free, 16 Circuits

**Documents:**

[3D Model](#) [Product Specification PS-52588-031 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-52465-014 \(PDF\)](#)

**General**

Product Family	PCB Headers
Series	<a href="#">53309</a>
Application	Board-to-Board, Signal
Product Name	N/A

**Physical**

Breakaway	No
Circuits (Loaded)	16
Circuits (maximum)	16
Color - Resin	Natural
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	Yes
Mated Height	5.65mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Right Angle
PC Tail Length	0.40mm, 0.50mm
PCB Locator	No
PCB Retention	None
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	0.80mm
Plating min - Mating	1.016µm
Plating min - Termination	1.016µm
Polarized to PCB	No
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-20°C to +105°C
Termination Interface: Style	Surface Mount

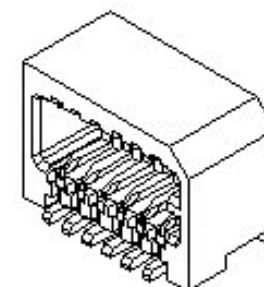
**Electrical**

Current - Maximum per Contact	0.5A
Voltage - Maximum	50V

**Material Info**

**Reference - Drawing Numbers**

Product Specification	PS-52465-014, PS-52588-031, RPS-52465-042, RPS-52465-047, RPS-52465-049, RPS-52588-040, RPS-52588-041
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*image - Reference only*

*Series*

**EU RoHS**

**ELV and RoHS  
Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Low-Halogen Status**  
**Not Low-Halogen**

**China RoHS**



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For a multiple part number RoHS Certificate of Compliance, [click here](#)

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

**Search Parts in this Series**

[53309Series](#)

**Mates With**

[52465](#) Board-to-Board Receptacle

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