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**Part Number:** [53309-2070](#)  
**Status:** **Active**  
**Description:** 0.80mm Pitch Board-to-Board Header, Surface Mount, Dual Row, Right Angle, Lead-Free, 20 Circuits

**Documents:**

<a href="#">3D Model</a>	<a href="#">Product Specification PS-52588-031 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Product Specification PS-52588-032 (PDF)</a>
<a href="#">Product Specification PS-52465-014 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**General**

Product Family	PCB Headers
Series	<a href="#">53309</a>
Application	Board-to-Board, Signal
Product Name	N/A
UPC	822348124282

**Physical**

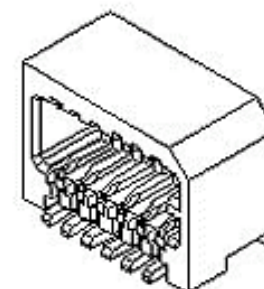
Breakaway	No
Circuits (Loaded)	20
Circuits (maximum)	20
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Mated Height	5.65mm, 6.65mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	358.280/mg
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**



*image - Reference only*

*Series*

**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

Not Reviewed

**Low-Halogen Status**

**Not Low-Halogen**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto: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.

**Search Parts in this Series**

[53309Series](#)

**Mates With**

Board-to-Board Receptacle [52465](#) , [52588](#)

Product Specification

Sales Drawing

PS-52465-014, PS-52588-031, PS-52588-032,  
RPS-52465-042, RPS-52465-047, RPS-52465-049,  
RPS-52588-039, RPS-52588-040, RPS-52588-041  
SD-53309-011, SD-53309-012

This document was generated on 06/06/2013

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