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Part Number: [0533091870](#)
Status: **Active**
Description: 0.80mm (.031") Pitch Board-to-Board Header, Surface Mount, Dual Row, Right Angle, Lead-free, 18 Circuits

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[Product Specification PS-52465-014 \(PDF\)](#)

[Product Specification PS-52588-031 \(PDF\)](#)

[Product Specification PS-52588-032 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

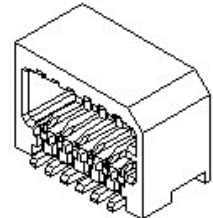
General

Product Family	PCB Headers
Series	53309
Application	Board-to-Board
Product Name	N/A

Physical

Breakaway	No
Circuits (Loaded)	18
Circuits (maximum)	18
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 (in)	0.222 In
Mated Height (in)	0.262 In
Mated Height (mm)	5.65 mm
Mated Height (mm)	6.65 mm
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 (in)	0.016 In
PC Tail Length (in)	0.020 In
PC Tail Length (mm)	0.40 mm
PC Tail Length (mm)	0.50 mm
PCB Locator	No
PCB Retention	None
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.031 In
Pitch - Mating Interface (mm)	0.80 mm
Plating min: Mating (µin)	40
Plating min: Mating (µm)	1
Plating min: Termination (µin)	40
Plating min: Termination (µm)	1
Polarized to PCB	No
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-20°C to +105°C
Termination Interface: Style	Surface Mount

Electrical



Series image - Reference only

EU RoHS

**ELV and RoHS
Compliant**

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Reviewed

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

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

China RoHS



Search Parts in this Series

[53309](#) Series

Mates With

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

Current - Maximum	0.5A
Voltage - Maximum	50V

Material Info

Reference - Drawing Numbers

Product Specification	PS-52465-014
Product Specification	PS-52588-031
Product Specification	PS-52588-032
Product Specification	RPS-52465-042
Product Specification	RPS-52465-047
Product Specification	RPS-52465-049
Product Specification	RPS-52588-039
Product Specification	RPS-52588-040
Product Specification	RPS-52588-041
Sales Drawing	SD-53309-011
Sales Drawing	SD-53309-012

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