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Part Number: [53309-1870](#)
Status: **Active**
Description: 0.80mm Pitch Board-to-Board Header, Surface Mount, Dual Row, Right Angle, Lead-Free, 18 Circuits

Documents:

3D Model	Product Specification PS-52588-031 (PDF)
Drawing (PDF)	Product Specification PS-52588-032 (PDF)
Product Specification PS-52465-014 (PDF)	RoHS Certificate of Compliance (PDF)

General

Product Family	PCB Headers
Series	53309
Application	Board-to-Board, Signal
Product Name	N/A
UPC	822348124275

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	5.65mm, 6.65mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	326.552/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

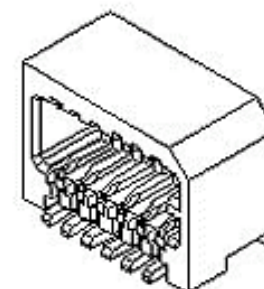


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Series

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
 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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