

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0559090674](#)
Status: **Active**
Overview:
Description: 0.40mm (.016") Pitch Board-to-Board SlimStack™ Plug, Surface Mount, Dual Row, Vertical Stacking, Lead-free, 60 Circuits

Documents:

[3D Model](#) [Product Specification PS-51338-002 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

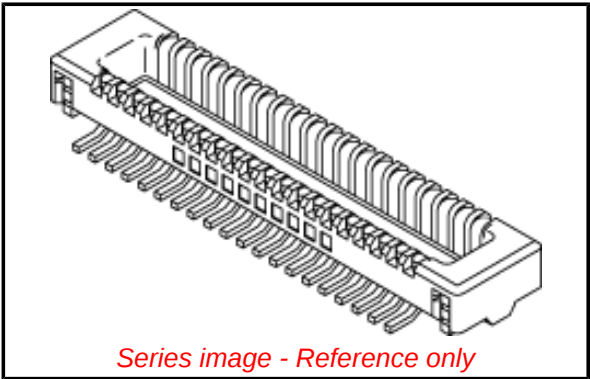
General

Product Family PCB Headers
Series [55909](#)
Application Board-to-Board
Comments Solder Tab Plating: Tin
Overview SlimStack™;
Product Name SlimStack™

Physical

Breakaway No
Circuits (Loaded) 60
Circuits (maximum) 60
Color - Resin Black
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) 0.059 In
Mated Height (in) 0.071 In
Mated Height (mm) 1.50 mm
Mated Height (mm) 1.80 mm
Material - Metal Brass
Material - Metal Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Gold
Material - Resin High Temperature Thermoplastic
Number of Rows 2
Orientation Vertical
PC Tail Length (in) 0.020 In
PC Tail Length (mm) 0.50 mm
PCB Locator No
PCB Retention Yes
Packaging Type Embossed Tape on Reel
Pitch - Mating Interface (in) 0.016 In
Pitch - Mating Interface (mm) 0.40 mm
Plating min: Mating (µin) 10
Plating min: Mating (µm) 0.25
Plating min: Termination (µin) 4
Plating min: Termination (µm) 0.1
Shrouded Fully
Stackable No
Temperature Range - Operating -25°C to +85°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

China RoHS



Need more information on product environmental compliance?

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

Search Parts in this Series
[55909](#) Series

Mates With
Board-to-Board SlimStack™ Receptacle
[51338](#) , [500913](#)

Current - Maximum	0.3A
Voltage - Maximum	50V

Material Info

Reference - Drawing Numbers

Product Specification	PS-51338-002
Product Specification	RPS-500913-002
Product Specification	RPS-500913-003
Product Specification	RPS-500913-005
Product Specification	RPS-51338-001
Product Specification	RPS-51338-002
Product Specification	RPS-51338-005
Product Specification	RPS-51338-007
Product Specification	RPS-51338-008
Product Specification	RPS-51338-011
Product Specification	RPS-51338-012
Product Specification	RPS-51338-013
Product Specification	RPS-51338-018
Product Specification	RPS-51338-019
Product Specification	RPS-51338-020
Product Specification	RPS-51338-022
Product Specification	RPS-51338-024
Product Specification	RPS-51338-025
Product Specification	RPS-51338-027
Product Specification	RPS-55909-001
Sales Drawing	SD-55909-003
Sales Drawing	SD-55909-004

This document was generated on 11/05/2009

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION