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**Part Number:** [0537480408](#)  
**Status:** **Active**  
**Overview:** SlimStack™ 0.50mm Pitch Board-to-Board Connectors  
**Description:** 0.50mm Pitch SlimStack™ Plug, Surface Mount, Dual Row, Vertical, 3.00mm Stack Height, 40 Circuits, without Vacuum Pick-up Tape

**Documents:**

[3D Model](#) [Packaging Specification SPK-53748-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-52991-003 \(PDF\)](#)

**General**

Product Family	PCB Headers
Series	53748
Application	Board-to-Board, Signal
Overview	SlimStack™ 0.50mm Pitch Board-to-Board Connectors
Product Name	SlimStack™
UPC	800754318525

**Physical**

Breakaway	No
Circuits (Loaded)	40
Circuits (maximum)	40
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	None
Mated Height	3.00mm
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Net Weight	223.700/mg
Number of Rows	2
Orientation	Vertical
PCB Locator	No
PCB Retention	None
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	0.50mm
Plating min - Mating	0.102µm
Polarized to PCB	No
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Surface Mount

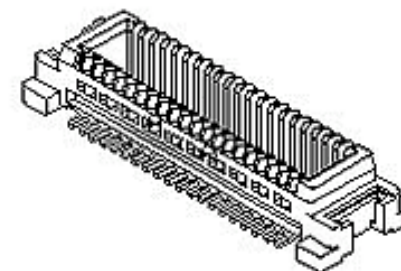
**Electrical**

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

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification	SPK-53748-001
Product Specification	PS-52991-003, RPS-52991-006, RPS-52991-013, RPS-52991-019, RPS-54167-010
Sales Drawing	SD-53748-002, SD-53748-005



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/79/2015 (17  
December 2015)

**Halogen-Free**

**Status**

**Low-Halogen**

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

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

China ROHS

ELV

Green Image

Not Relevant

**Search Parts in this Series**

[53748](#) Series

**Mates With**

SlimStack™ Receptacle [52991](#) , [54167](#)

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