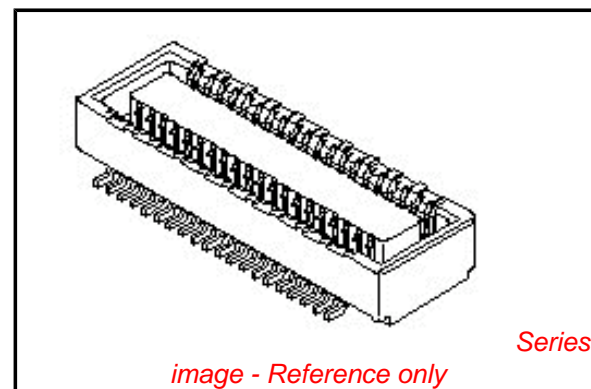


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**Part Number:** [54102-0164](#)  
**Status:** **Active**  
**Overview:** SlimStack™ 0.50mm (.020") Pitch  
**Description:** 0.50mm Pitch SlimStack™ Receptacle, Surface Mount, Dual Row, Vertical, 2.50mm Stacking Height, Gold Plating with Nickel Barrier, 16 Circuits

**Documents:**

<a href="#">3D Model</a>	<a href="#">Product Specification PS-54102-011 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification SPK-54102-001 (PDF)</a>
<a href="#">Product Specification PS-54102-010 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>



**General**

Product Family	PCB Receptacles
Series	<a href="#">54102</a>
Application	Board-to-Board, Signal
Overview	<a href="#">SlimStack™ 0.50mm (.020") Pitch</a>
Product Name	SlimStack™

**Physical**

Circuits (Loaded)	16
Color - Resin	Black
Durability (mating cycles max)	30
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Mated Height	2.50mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Number of Rows	2
Orientation	Vertical
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	1.60mm
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	0.50mm
Polarized to Mating Part	No
Polarized to PCB	No
Stackable	No
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Surface Mount

**Electrical**

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

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification	SPK-54102-001
Product Specification	PS-54102-010, PS-54102-011, RPS-54102-008, RPS-54102-012, RPS-54102-014, RPS-54102-015, RPS-54102-017
Sales Drawing	SD-54102-006, SD-54102-007

<b>EU RoHS</b> <b>ELV and RoHS</b> <b>Compliant</b> <b>REACH SVHC</b> <b>Contains SVHC: No</b> <b>Low-Halogen Status</b> <b>Low-Halogen</b>	<b>China RoHS</b> 
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**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.

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**Mates With**

[500334 PCB Header](#)

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