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**Part Number:** [5050040812](#)  
**Status:** **Active**  
**Overview:** SlimStack Board-to-Board/Board-to-FPC Connectors  
**Description:** SlimStack Board-to-Board Receptacle, 0.40mm Pitch, Battery Series, 0.75mm Mated Height, 2.50mm Mated Width, 8 Circuits, 6.0A

**Documents:**

<a href="#">3D Model</a>	<a href="#">Packaging Specification 5050049200-200 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Product Guide (PDF)</a>
<a href="#">Product Specification 5050040000-003 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Application Specification 5050040000-003 (PDF)</a>	<a href="#">Reference Guide (PDF)</a>

**General**

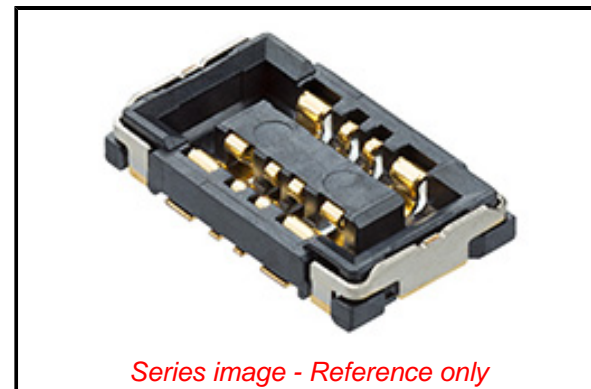
Product Family	PCB Receptacles
Series	<a href="#">505004</a>
Application	Board-to-Board
Comments	* 6A of current per circuit is applicable if the circuit is constructed by two power pins via a PWB/FPC circuit
Overview	<a href="#">SlimStack Board-to-Board/Board-to-FPC Connectors</a>
Product Name	SlimStack
Series Name	6A, Battery
UPC	191128441094

**Physical**

(p)ower-(s)ignal Configuration	4p - 4s
Circuits (Loaded)	8
Circuits (maximum)	8
Color - Resin	Black
Durability (mating cycles max)	10
Glow-Wire Capable	No
Lock to Mating Part	Yes
Mated Height	0.75mm
Mated Width	2.50mm
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Gold
Material - Resin	Liquid Crystal Polymer
Net Weight	10.820/mg
Number of Rows	2
Orientation	Vertical
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	0.40mm
Pitch - Termination Interface	0.40mm
Plating min - Mating	0.100µm
Plating min - Termination	0.050µm
Polarized to Mating Part	No
Polarized to PCB	No
Temperature Range - Operating	-40° to +85°C
Termination Interface: Style	Surface Mount

**Electrical**

Current - Maximum per Contact	0.3A, 3.0A*
Voltage - Maximum	50V AC (RMS)/DC



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[505004](#) Series

**Mates With**

SlimStack Battery (6.0A) Plug [505006](#)

**Material Info**

**Reference - Drawing Numbers**

Application Specification	5050040000-003
Packaging Specification	5050049200-200
Product Specification	5050040000-003
Sales Drawing	SD-505004-005-001, SD-505004-006-001

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