



Part Number : [5050040812](#)

**Product Description :** SlimStack Board-to-Board Receptacle, 0.40mm Pitch, Battery Series, 0.75mm Mated Height, 2.50mm Mated Width, 8 Circuits, 6.0A

Series Number : 505004

Status : Active

Product Category : Board-to-Board Connectors

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## Documents & Resources

### Drawings

[Drawing 5050040812\\_sd.pdf](#)

### 3D Models and Design Files

[3D Model 5050040812\\_stp.zip](#)

### Specifications

[Application Specification 5050040000-A00.pdf](#)


[Packaging Specification 5050049200-200.pdf](#)

[Product Specification 5050040000-003.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 2024)
EU RoHS	Compliant per EU 2015/863

### Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

### Multiple Part Industry Compliance Documents

- IPC 1752A Class C

- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

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## Part Details

### General

Status	Active
Category	Board-to-Board Connectors
Series	505004
Description	SlimStack Board-to-Board Receptacle, 0.40mm Pitch, Battery Series, 0.75mm Mated Height, 2.50mm Mated Width, 8 Circuits, 6.0A
Series Name	6A, Battery
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
Component Type	PCB Receptacle
Product Family	SlimStack Board-to-Board/Board-to-FPC Connectors
Product Name	SlimStack
UPC	191128441094

### Electrical

Current - Maximum per Contact	3.0A* (see comments above)
Voltage - Maximum	50V AC (RMS)/DC

### Physical

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
Packaging Type	Embossed Tape on Reel
PCB Locator	No
PCB Retention	Yes
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
(p)ower-(s)ignal Configuration	4p - 4s
Temperature Range - Operating	-40° to +85°C
Termination Interface Style	Surface Mount

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## Mates With / Use With

### Mates with Part(s)

Description	Part Number
0.40mm Pitch SlimStack Board-to-Board Plugs	<u>505006</u>