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Part Number: [5050040810](#)
Status: **Active**
Overview: SlimStack™ 0.40mm Pitch Board-to-Board Connectors
Description: SlimStack Hybrid Power SMT Board-to-Board Receptacle, 0.40mm Pitch, 0.75mm Height, 4 Power, 4 Signal Contacts
Replacement Part Number: <http://www.molex.com/molex/products/listview.jsp?channel=Products&sType=p&query=5050040812505004-0812> (drop-in)

Documents:

| | |
|---|---|
| 3D Model | Application Specification AS-505004-001-001 (PDF) |
| Drawing (PDF) | Packaging Specification SPK-505004-001-001 (PDF) |
| Product Specification PS-505004-001-001 (PDF) | RoHS Certificate of Compliance (PDF) |

General

| | |
|-------------------------|---|
| Product Family | PCB Receptacles |
| Series | 505004 |
| Application | Board-to-Board |
| Overview | SlimStack™ 0.40mm Pitch Board-to-Board Connectors |
| Product Name | SlimStack |
| Replacement Part Number | 505004-0812 (drop-in) |
| Series Name | Battery |
| UPC | 887191595078 |

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 over Nickel |
| Material - Plating Termination | Gold over Nickel |
| Material - Resin | Liquid Crystal Polymer |
| Net Weight | 11.421/mg |
| Number of Rows | 2 |
| Orientation | Vertical |
| PCB Locator | No |
| PCB Retention | Yes |
| Packaging Type | Embossed Tape on Reel |
| Pitch - Mating Interface | 0.40mm |
| Polarized to Mating Part | No |
| Polarized to PCB | No |
| Stackable | No |
| Temperature Range - Operating | -40° to +85°C |
| Termination Interface: Style | Surface Mount |

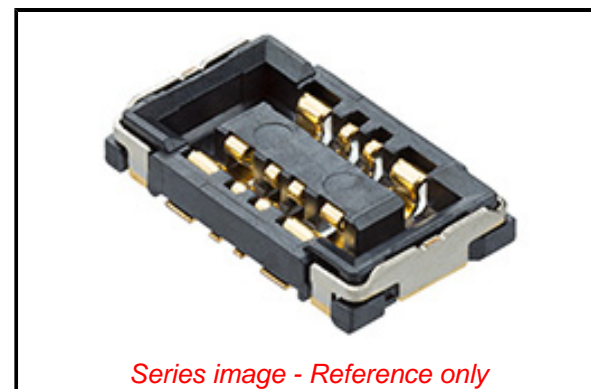
Electrical

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

Material Info

Reference - Drawing Numbers

| | |
|---------------------------|-------------------|
| Application Specification | AS-505004-001-001 |
|---------------------------|-------------------|



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - ED/61/2018 (27 June 2018)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

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

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[505004](#) Series

Mates With

[505006](#) SlimStack 0.40mm Pitch Board-to-Board Battery Header

Packaging Specification
Product Specification
Sales Drawing

SPK-505004-001-001
PS-505004-001-001
SD-505004-001, SD-505004-002, SD-505004-006

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