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Part Number: [5050060812](#)

Status: **Active**

Overview: [SlimStack Board-to-Board/Board-to-FPC Connectors](#)

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

Documents:

| | |
|--|--|
| 3D Model | Packaging Specification 5050069200-200 (PDF) |
| 3D Model (PDF) | Datasheet (PDF) |
| Drawing (PDF) | Product Guide (PDF) |
| Product Specification 5050040000-003 (PDF) | RoHS Certificate of Compliance (PDF) |
| Application Specification 5050040000-A00 (PDF) | Reference Guide (PDF) |

General

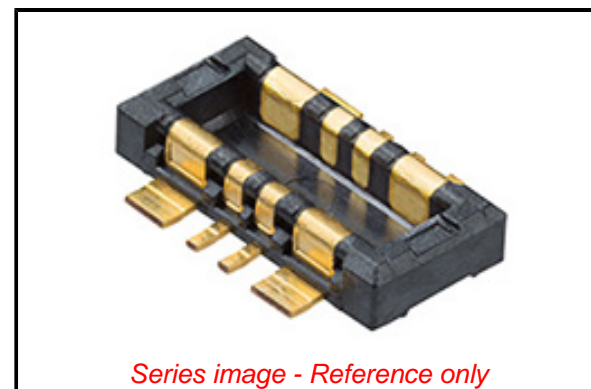
| | |
|----------------|---|
| Product Family | PCB Headers |
| Series | 505006 |
| Application | Board-to-Board |
| Comments | * 6A of current per circuit is applicable if the circuit is constructed by two power pins via a PWB/FPC circuit |
| Overview | SlimStack Board-to-Board/Board-to-FPC Connectors |
| Product Name | SlimStack |
| Series Name | 6A, Battery |
| UPC | 191128441100 |

Physical

| | |
|--------------------------------|------------------------|
| (p)ower-(s)ignal Configuration | 4p - 4s |
| Breakaway | No |
| 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 | 5.410/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 |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2020)9139-DC (19
Jan 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

[505006](#) Series

Mates With

SlimStack Battery (6.0A) Receptacle [505004](#)

Material Info

Reference - Drawing Numbers

| | |
|---------------------------|------------------------------|
| Application Specification | 5050040000-A00 |
| Packaging Specification | 5050069200-200 |
| Product Specification | 5050040000-003 |
| Sales Drawing | SD-505006-005, SD-505006-006 |

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