



Part Number : [5054761010](#)

Product Description : SlimStack Board-to-Board Plug, 0.40mm Pitch, Battery Series, 0.60mm Mated Height, 2.00mm Mated Width, 10 Circuits, 10.0A

Series Number : 505476

Status : Not Recommended For New Design

Product Category : Board-to-Board Connectors



Documents & Resources

Drawings

[5054761010_sd.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

[5054761010.dxf](#)

Specifications


[5054730000-A00.pdf](#)

[5054769200-200.pdf](#)

[5054730000-000.pdf](#)

Product Environment Compliance

Compliance

| | |
|--------------------|---|
| GADSL/IMDS | Not Relevant |
| China RoHS | per SJ/T 11365-2006  |
| EU ELV | Not Relevant |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2025)4165-DC (25 June 2025) |
| EU RoHS | Compliant per EU 2015/863 |

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

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

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

| | |
|----------------|--|
| Status | Not Recommended For New Design |
| Category | Board-to-Board Connectors |
| Series | 10A, Battery |
| Description | SlimStack Board-to-Board Plug, 0.40mm Pitch, Battery Series, 0.60mm Mated Height, 2.00mm Mated Width, 10 Circuits, 10.0A |
| Application | Board-to-Board |
| Comments | 10A of current per circuit is applicable if the circuit is constructed by two power pins via a PWB/FPC circuit |
| Component Type | PCB Header |
| Product Name | SlimStack |
| UPC | 889056269025 |

Electrical

| | |
|-------------------------------|-----------------|
| Current - Maximum per Contact | 0.5A, 5.0A* |
| Voltage - Maximum | 50V AC (RMS)/DC |

Physical

| | |
|--------------------------------|------------------------|
| Breakaway | No |
| Circuits (Loaded) | 10 |
| Circuits (maximum) | 10 |
| Color - Resin | Black |
| Durability (mating cycles max) | 10 |
| Glow-Wire Capable | No |
| Lock to Mating Part | Yes |
| Mated Height | 0.60mm |
| Mated Width | 2.00mm |
| Material - Metal | Copper Alloy |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Gold |
| Material - Resin | Liquid Crystal Polymer |
| Net Weight | 6.158/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 - 6s |
| Temperature Range - Operating | -40° to +85°C |
| Termination Interface Style | Surface Mount |

Mates With / Use With

Mates with Part(s)

| Description | Part Number |
|---|---------------|
| 0.40mm Pitch SlimStack Board-to-Board Receptacles | <u>505473</u> |

