

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

5054730810

Status:

Active

Overview:

SlimStack Board-to-Board/Board-to-FPC Connectors

Description:

SlimStack Board-to-Board Receptacle, 0.40mm Pitch, Battery Series, 0.60mm Mated Height, 2.00mm Mated Width, 8 Circuits, 10.0A

- Documents:
- Drawing (PDF)

3D Model (PDF)

3D Model

Product Specification 5054730000-000 (PDF)

Application Specification 5054730000-000 (PDF)

Packaging Specification 5054739200-200 (PDF)

Datasheet (PDF)

Product Guide (PDF)

RoHS Certificate of Compliance (PDF)

Reference Guide (PDF)

|                                |                                                                                                                  |
|--------------------------------|------------------------------------------------------------------------------------------------------------------|
| General                        |                                                                                                                  |
| Product Family                 | PCB Receptacles                                                                                                  |
| Series                         | 505473                                                                                                           |
| 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 |
| Overview                       | <u>SlimStack Board-to-Board/Board-to-FPC Connectors</u>                                                          |
| Product Name                   | SlimStack                                                                                                        |
| Series Name                    | 10A, Battery                                                                                                     |
| UPC                            | 889056268875                                                                                                     |
| 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                   | 0.60mm                                                                                                           |
| Mated Width                    | 2.00mm                                                                                                           |
| Material - Metal               | Copper Alloy                                                                                                     |
| Material - Plating Mating      | Gold                                                                                                             |
| Material - Plating Termination | Gold                                                                                                             |
| Material - Resin               | Liquid Crystal Polymer                                                                                           |
| Net Weight                     | 9.490/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  | 0.5A, 5.0A*                                                                                                      |
| 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

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series  
505473 Series

Mates With  
SlimStack Battery (10.0A) Plug 505476

**Material Info**

**Reference - Drawing Numbers**

|                           |                                |
|---------------------------|--------------------------------|
| Application Specification | 5054730000-000                 |
| Packaging Specification   | 5054739200-200                 |
| Product Specification     | 5054730000-000                 |
| Sales Drawing             | 5054730000-000, 5054731000-000 |

This document was generated on 08/16/2021

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**