



Part Number : 2202510069

Series Number : 220251

Product Category : Board-to-Board  
Connectors

Product Description : SlimStack Board-to-Board Plug, 0.35mm Pitch, 0.70mm Height, 6 Signal Pin + 2 Power Pin + 2 Fitting Nail, 18A Battery B-to-B

Status : Active

Documents & Resources

Drawings

Drawing 2202510069\_sd.pdf

3D Models and Design Files

3D Model 2202510069\_stp.zip

Specifications

Packaging Specification 2202510060-SPK-000.pdf

Product Environment Compliance

Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 34; 33; 44                                                   |
| 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         | 220251                                                                                                                      |
| Description    | SlimStack Board-to-Board Plug, 0.35mm Pitch, 0.70mm Height, 6 Signal Pin + 2 Power Pin + 2 Fitting Nail, 18A Battery B-to-B |
| Series Name    | Battery, GCB7V                                                                                                              |
| Application    | Board-to-Board                                                                                                              |
| Comments       | 6 signal terminals; 2 power terminals                                                                                       |
| Component Type | PCB Header                                                                                                                  |
| Product Family | SlimStack Board-to-Board/Board-to-FPC Connectors                                                                            |
| Product Name   | SlimStack                                                                                                                   |
| UPC            | 195842880689                                                                                                                |

#### Electrical

|                               |                 |
|-------------------------------|-----------------|
| Current - Maximum per Contact | 0.3A, 18.0A     |
| Voltage - Maximum             | 50V AC (RMS)/DC |

#### Physical

|                                |                                       |
|--------------------------------|---------------------------------------|
| Breakaway                      | No                                    |
| Circuits Detail                | 6 signal terminals; 2 power terminals |
| 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                   | 0.70mm                 |
| Mated Width                    | 2.30mm                 |
| Material - Metal               | Corson Alloy           |
| Material - Plating Mating      | Gold                   |
| Material - Plating Termination | Gold                   |
| Material - Resin               | Liquid Crystal Polymer |
| Net Weight                     | 8.220/mg               |
| Number of Rows                 | 2                      |
| Orientation                    | Vertical               |
| Packaging Type                 | Embossed Tape on Reel  |
| PCB Locator                    | No                     |
| PCB Retention                  | Yes                    |
| Pitch - Mating Interface       | 0.35mm                 |
| Pitch - Termination Interface  | 0.35mm                 |
| Plating min - Mating           | 0.100µm                |
| Plating min - Termination      | 0.050µm                |
| Polarized to Mating Part       | No                     |
| Polarized to PCB               | No                     |
| (p)ower-(s)ignal Configuration | 2p - 6s                |
| 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       |
|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| SlimStack Board-to-Board<br>Receptacle, 0.35mm Pitch, 0.70mm<br>Height, 6 Signal Pin + 2 Power Pin +<br>2 Fitting Nail, 18A Battery B-to-B | <u>2202500069</u> |