



**Part Number :** [2283510069](#)  
**Product Description :** ChargeStack Board-to-Board Plug, 0.30mm Pitch, 0.52mm Height, 6 Signal Pin + 2 Power Pin + 2 Fitting Nail, 10A Battery B-to-B, 1 Reel/ Carton  
**Series Number :** 228351  
**Status :** Active  
**Product Category :** Board-to-Board Connectors



## Documents and Resources

### Drawings

[2283510069 sd.pdf](#)

### Specifications

[2283519100-SPK-001.pdf](#)

[2283500000-PS-000.pdf](#)

## Product Environment Compliance

### Compliance

|                    |              |
|--------------------|--------------|
| China RoHS         | Not Reviewed |
| EU ELV             | Not Reviewed |
| Low-Halogen Status | Not Reviewed |
| REACH SVHC         | Not Reviewed |
| EU RoHS            | Not Reviewed |

### 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

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### Part Details

#### General

|                |                                                                                                                                              |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                       |
| Category       | Board-to-Board Connectors                                                                                                                    |
| Series         | Battery                                                                                                                                      |
| Description    | ChargeStack Board-to-Board Plug, 0.30mm Pitch, 0.52mm Height, 6 Signal Pin + 2 Power Pin + 2 Fitting Nail, 10A Battery B-to-B, 1 Reel/Carton |
| Application    | Board-to-Board                                                                                                                               |
| Comments       | 6 signal terminals; 2 power terminals                                                                                                        |
| Component Type | Plug                                                                                                                                         |
| Product Name   | ChargeStack                                                                                                                                  |
| UPC            | 198930457305                                                                                                                                 |

#### Electrical

|                               |                 |
|-------------------------------|-----------------|
| Current - Maximum per Contact | 0.3A, 10.0A     |
| Voltage - Maximum             | 50V AC (RMS)/DC |

#### Physical

|                                |                                       |
|--------------------------------|---------------------------------------|
| Breakaway                      | No                                    |
| Circuits Detail                | 6 signal terminals; 2 power terminals |
| Circuits (Loaded)              | 10                                    |
| Circuits (maximum)             | 10                                    |
| Color - Resin                  | Black                                 |
| Durability (mating cycles max) | 30                                    |
| Glow-Wire Capable              | No                                    |
| Lock to Mating Part            | Yes                                   |

|                                |                              |
|--------------------------------|------------------------------|
| Mated Height                   | 0.52mm                       |
| Mated Width                    | 2.00mm                       |
| Material - Metal               | Copper Alloy                 |
| Material - Plating Mating      | Gold                         |
| Material - Plating Termination | Gold                         |
| Material - Resin               | Liquid Crystal Polymer (LCP) |
| Net Weight                     | 0.004/g                      |
| Number of Rows                 | 2                            |
| Orientation                    | Vertical                     |
| Packaging Type                 | Embossed Tape on Reel        |
| PCB Locator                    | No                           |
| PCB Retention                  | Yes                          |
| Pitch - Mating Interface       | 0.30mm                       |
| Pitch - Termination Interface  | 0.30mm                       |
| 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                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| ChargeStack Board-to-Board Receptacle, 0.30mm Pitch, 0.52mm Height, 6 Signal Pin + 2 Power Pin + 2 Fitting Nail, 10A Battery B-to-B, 1 Reel/Carton | <u><a href="#">2283500069</a></u> |

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