



Part Number : 2167010409

Series Number : 216701

Product Category : Board-to-Board  
Connectors

Product Description : SlimStack Board-to-Board Plug, 0.35mm Pitch, ACB6+ Series, 0.60mm Mated Height, 1.90mm Mated Width, 40 Circuits

Status : Active

## Documents & Resources

### Drawings

Drawing 2167010409\_sd.pdf

### 3D Models and Design Files

3D Model 2167010409\_stp.zip

### Specifications

Application Specification 2167000000-AS-000.pdf

Packaging Specification 2167010000-SPK-000.pdf

Product Specification 2167000000-PS-000.pdf

## Product Environment Compliance

### Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                          |
| 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         | 216701                                                                                                                   |
| Description    | SlimStack Board-to-Board Plug,<br>0.35mm Pitch, ACB6+ Series,<br>0.60mm Mated Height, 1.90mm<br>Mated Width, 40 Circuits |
| Series Name    | 0.35, ACB6+                                                                                                              |
| Application    | Board-to-Board                                                                                                           |
| Component Type | PCB Header                                                                                                               |
| Product Family | SlimStack Board-to-Board/Board-<br>to-FPC Connectors                                                                     |
| Product Name   | SlimStack                                                                                                                |
| UPC            | 195842287471                                                                                                             |

#### Electrical

|                               |                 |
|-------------------------------|-----------------|
| Current - Maximum per Contact | 0.3A, 5.0A      |
| Voltage - Maximum             | 60V AC (RMS)/DC |

#### Physical

|                                |              |
|--------------------------------|--------------|
| Breakaway                      | No           |
| Circuits (Loaded)              | 40           |
| Circuits (maximum)             | 40           |
| Color - Resin                  | Black        |
| Durability (mating cycles max) | 30           |
| Glow-Wire Capable              | No           |
| Mated Height                   | 0.60mm       |
| Mated Width                    | 1.90mm       |
| Material - Metal               | Copper Alloy |

|                                |                        |
|--------------------------------|------------------------|
| Material - Plating Mating      | Gold                   |
| Material - Plating Termination | Gold                   |
| Material - Resin               | Liquid Crystal Polymer |
| Net Weight                     | 10.613/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                     |
| 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 Receptacle, 0.35mm Pitch, ACB6+ Series, 0.60mm Mated Height, 1.90mm Mated Width, 40 Circuits | <u>2167000409</u> |