



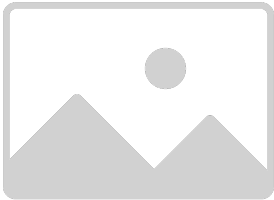
**Part Number :** [349977000](#)

**Product Description :** Stac64 2 Bay Right-Angle Headers, Plastic Pin-Alignment-Plate, 40 Circuits, Bay A 20 Circuits Signal Header, Polarization A, Black; Bay B 20 Circuits Signal Header, Polarization B, Gray; Tube

**Series Number :** [34997](#)

**Status :** Active

**Product Category :** [PCB Headers and Receptacles](#)



NO IMAGE AVAILABLE

## Documents & Resources

### Drawings

[Drawing 349977000\\_sd.pdf](#)

### 3D Models and Design Files

[3D Model 349977000\\_stp.zip](#)

### Specifications

[Application Specification AS-34729-020-001.pdf](#)

[Product Specification PS-31372-100-001.pdf](#)

[Product Specification PS-34729-020-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |   |
|--------------------|---|
| GADSL/IMDS         | Compliant with Exemption 44; 33                 |
| China RoHS         | Not Relevant                                    |
| EU ELV             | Compliant per 2000/53/EC                        |
| Low-Halogen Status | Not Relevant                                    |
| 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       | PCB Headers and Receptacles   |
| Series         | 34997   |
| Description    | Stac64 2 Bay Right-Angle Headers, Plastic Pin-Alignment-Plate, 40 Circuits, Bay A 20 Circuits Signal Header, Polarization A, Black; Bay B 20 Circuits Signal Header, Polarization B, Gray; Tube |
| Application    | Automotive, Power, Wire-to-Board  |
| Comments       | Bay A 20 Circuits Stac64 Right Angle Signal Header, Polarization A; Bay B 20 Circuits Stac64 Right Angle Signal Header, Polarization B  |
| Component Type | PCB Header  |
| Product Family | Stac64 Single, Multi-Pocket and Hybrid Header System  |
| Product Name   | Stac64  |
| UPC            | 887191490649  |

#### Electrical

|                               |               |
|-------------------------------|---------------|
| Current - Maximum per Contact | Contact Molex |
| Voltage - Maximum             | 500V          |

#### Physical

|                    |             |
|--------------------|-------------|
| Breakaway          | No          |
| Circuits (Loaded)  | 40          |
| Circuits (maximum) | 40          |
| Color - Resin      | Black, Gray |

|                                |                                |
|--------------------------------|--------------------------------|
| Durability (mating cycles max) | 10                             |
| First Mate / Last Break        | No                             |
| Glow-Wire Capable              | No                             |
| Guide to Mating Part           | No                             |
| Keying to Mating Part          | None                           |
| Lock to Mating Part            | Yes                            |
| Material - Metal               | Copper Alloy                   |
| Material - Plating Mating      | Tin                            |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 17.294/g                       |
| Number of Rows                 | 2                              |
| Orientation                    | Right Angle                    |
| Packaging Type                 | Tube                           |
| PCB Locator                    | Yes                            |
| PCB Retention                  | None                           |
| PCB Thickness - Recommended    | 1.57mm                         |
| Pitch - Mating Interface       | 2.54mm                         |
| Pitch - Termination Interface  | 2.54mm                         |
| Polarized to Mating Part       | Yes                            |
| Polarized to PCB               | Yes                            |
| Shrouded                       | Yes                            |
| Stackable                      | No                             |
| Temperature Range - Operating  | -40° to +105°C                 |
| Termination Interface Style    | Through Hole                   |

## Solder Process Data

|                              |      |
|------------------------------|------|
| Max-Duration                 | 40   |
| Lead-Free Process Capability | WAVE |
| Max-Cycle                    | 3    |
| Max-Temp                     | 260  |