



Part Number : 2147210080

Series Number : 214721

Product Category : PCB Headers and Receptacles

Product Description : Zero-Hachi Header, 0.80mm Pitch, Single Row, Right-Angle, Surface Mount, Matte Tin (Sn) Plating, Friction Lock, 8 Circuits, Tape and Reel

Status : Active

Documents & Resources

Drawings

Drawing 2147210080\_sd.pdf

3D Models and Design Files

2D Drawing DXF 2147210080.dxf

2D Drawing DXF (PDF) 2147210080.pdf

3D Model 2147210080\_stp.zip

Specifications

Packaging Specification 2147219200-SPK-200.pdf

Product Specification 2147190000-PS-000.pdf

Product Environment Compliance

Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44; 33                                                       |
| China RoHS         |  |
| EU ELV             | Not Relevant                                                                          |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                                                        |
| REACH SVHC         | Not Contained per D(2023)8585-DC (23 Jan 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         | 214721                                                                                                                                    |
| Description    | Zero-Hachi Header, 0.80mm Pitch, Single Row, Right-Angle, Surface Mount, Matte Tin (Sn) Plating, Friction Lock, 8 Circuits, Tape and Reel |
| Application    | Signal, Wire-to-Board                                                                                                                     |
| Component Type | PCB Header                                                                                                                                |
| Product Family | Zero-Hachi Connector System                                                                                                               |
| Product Name   | Zero-Hachi                                                                                                                                |
| UPC            | 195842348622                                                                                                                              |

#### Agency

|    |        |
|----|--------|
| UL | E29179 |
|----|--------|

#### Electrical

|                               |                 |
|-------------------------------|-----------------|
| Current - Maximum per Contact | 1.0A            |
| Voltage - Maximum             | 30V AC (RMS)/DC |

#### Physical

|                                |       |
|--------------------------------|-------|
| Breakaway                      | No    |
| Circuits (Loaded)              | 8     |
| Circuits (maximum)             | 8     |
| Color - Resin                  | Black |
| Durability (mating cycles max) | 20    |
| 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      | Matte Tin              |
| Material - Plating Termination | Matte Tin              |
| Material - Resin               | Liquid Crystal Polymer |
| Net Weight                     | 52.520/mg              |
| Number of Rows                 | 1                      |
| Orientation                    | Right Angle            |
| Packaging Type                 | Embossed Tape on Reel  |
| PCB Locator                    | No                     |
| PCB Retention                  | Yes                    |
| Pitch - Mating Interface       | 0.80mm                 |
| Pitch - Termination Interface  | 0.80mm                 |
| Plating min - Mating           | 1.000µm                |
| Polarized to Mating Part       | Yes                    |
| Polarized to PCB               | Yes                    |
| Robotic Placement              | Vacuum Pick-Up Area    |
| Shrouded                       | Yes                    |
| Temperature Range - Operating  | -40° to +85°C          |
| Termination Interface Style    | Surface Mount          |
| Unmated Height                 | 1.60mm                 |

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## Mates With / Use With

### Mates with Part(s)

| Description                               | Part Number   |
|-------------------------------------------|---------------|
| Zero-Hachi Single Row Receptacle Housings | <u>214719</u> |