

Part Number : 2147210120

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, 12 Circuits, Tape and Reel

Status : Active

Documents & Resources

Drawings

Drawing 2147210120_sd.pdf

3D Models and Design Files

2D Drawing DXF 2147210120.dxf

2D Drawing DXF (PDF) 2147210120.pdf

3D Model 2147210120_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

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, 12 Circuits, Tape and Reel |
| Application | Signal, Wire-to-Board |
| Component Type | PCB Header |
| Product Family | Zero-Hachi Connector System |
| Product Name | Zero-Hachi |
| UPC | 195842348660 |

Agency

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

Electrical

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

Physical

| | |
|--------------------------------|-------|
| Breakaway | No |
| Circuits (Loaded) | 12 |
| Circuits (maximum) | 12 |
| 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 | 70.490/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 |

Mates With / Use With

Mates with Part(s)

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