Part Number : 2140940020

Product Description : OneBlade Header, 1.00mm Pitch, Single Row, Vertical, Surface Mount, Tin (Sn) Plating, Friction Lock, 2 Circuits, Tape and Reel

Series Number : 214094

Status : Active

Product Category : PCB Headers and Receptacles

## Documents & Resources

### Drawings

Drawing_2140940020_sd.pdf

### 3D Models and Design Files

2D Drawing DXF_2140940020.dxf

2D Drawing DXF (PDF)_2140940020.pdf

3D Model_2140940020_stp.zip

### Specifications

Packaging Specification_2140949200-SPK-200.pdf

Product Specification_2140920000-PS-000.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Compliant with Exemption 44 |
| China RoHS |  |
| EU ELV | Not Relevant |
| Low-Halogen Status | Not 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 | 214094 |
| Description | OneBlade Header, 1.00mm Pitch, Single Row, Vertical, Surface Mount, Tin (Sn) Plating, Friction Lock, 2 Circuits, Tape and Reel |
| Application | Signal, Wire-to-Board |
| Component Type | PCB Header |
| Product Family | OneBlade Wire-to-Board Connector System |
| Product Name | OneBlade |
| UPC | 195842620742 |

### Agency

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

### Electrical

| | |
|---|---|
| Current - Maximum per Contact | 2.5A |
| Voltage - Maximum | 100V AC (RMS)/DC |

### Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 2 |
| Circuits (maximum) | 2 |
| Color - Resin | Black |
| Durability (mating cycles max) | 30 |
| First Mate / Last Break | No |
| Glow-Wire Capable | No |

| | |
|---|---|
| Guide to Mating Part | No |
| Keying to Mating Part | None |
| Lock to Mating Part | Yes |
| Mated Height | 6.50mm |
| Material - Metal | Brass |
| Material - Plating Mating | Matte Tin |
| Material - Plating Termination | Matte Tin |
| Material - Resin | Polyamide |
| Net Weight | 126.270/mg |
| Number of Rows | 1 |
| Orientation | Vertical |
| Packaging Type | Embossed Tape on Reel |
| PCB Locator | No |
| PCB Retention | Yes |
| Pitch - Mating Interface | 1.00mm |
| Pitch - Termination Interface | 1.00mm |
| Plating min - Mating | 1.000µm |
| Plating min - Termination | 1.000µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| Robotic Placement | Vacuum Pick-Up Area |
| Temperature Range - Operating | -40° to +105°C |
| Termination Interface Style | Surface Mount |

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| OneBlade Single Row Receptacle Housings | 214092 |