



Part Number : 10181046

Series Number : 3099

Product Category : PCB Headers and Receptacles

Product Description : 2.36mm Diameter Standard .093" Pin and Socket Header, Shrouded, 4 Circuits, 3 Male Terminals, 1 Female Terminal

Status : Active

Documents & Resources

Drawings

Drawing 010181046\_sd.pdf

3D Models and Design Files

3D Model 010181046\_stp.zip

Specifications

Packaging Specification PK-3099-002-001.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(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         | 3099                                                                                                            |
| Description    | 2.36mm Diameter Standard .093" Pin and Socket Header, Shrouded, 4 Circuits, 3 Male Terminals, 1 Female Terminal |
| Application    | Power, Wire-to-Board                                                                                            |
| Comments       | Solder Type, Round Pin/Socket                                                                                   |
| Component Type | PCB Header                                                                                                      |
| Product Family | Standard .093" Pin and Socket Connectors                                                                        |
| Product Name   | Standard .093"                                                                                                  |
| UPC            | 800754985246                                                                                                    |

#### Agency

|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

#### Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 5.0A |
| Voltage - Maximum             | 250V |

#### Physical

|                                |       |
|--------------------------------|-------|
| Breakaway                      | No    |
| Circuits (Loaded)              | 4     |
| Circuits (maximum)             | 4     |
| Color - Resin                  | Black |
| Durability (mating cycles max) | 25    |
| Flammability                   | 94V-2 |

|                                |                        |
|--------------------------------|------------------------|
| Glow-Wire Capable              | No                     |
| Lock to Mating Part            | Yes                    |
| Material - Metal               | Brass, Phosphor Bronze |
| Material - Plating Mating      | Tin                    |
| Material - Plating Termination | Tin                    |
| Material - Resin               | Polyester              |
| Net Weight                     | 1.641/g                |
| Number of Rows                 | 1                      |
| Orientation                    | Vertical               |
| Packaging Type                 | Bag                    |
| PC Tail Length                 | 4.32mm                 |
| PCB Locator                    | Yes                    |
| PCB Retention                  | None                   |
| PCB Thickness - Recommended    | 1.60mm                 |
| Pitch - Mating Interface       | 5.03mm                 |
| Plating min - Mating           | 1.270µm, 5.080µm       |
| Plating min - Termination      | 1.270µm, 5.080µm       |
| Polarized to Mating Part       | Yes                    |
| Polarized to PCB               | Yes                    |
| Shrouded                       | Fully                  |
| Stackable                      | No                     |
| Temperature Range - Operating  | -40° to +105°C         |
| Termination Interface Style    | Through Hole           |

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## Mates With / Use With

### Mates with Part(s)

| Description                                                                                       | Part Number     |
|---------------------------------------------------------------------------------------------------|-----------------|
| 2.36mm Diameter Standard .093" Pin and Socket Receptacle Housing, 4 Circuits, Single Row, Natural | <u>03091041</u> |
| 2.36mm Diameter Standard .093" Pin and Socket Receptacle Housing, 4 Circuits, Single Row, Natural | <u>03091042</u> |

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