



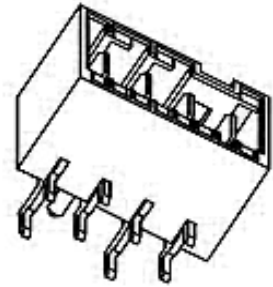
**Part Number :** [908583499](#)

**Product Description :** 5.00mm Pitch Appli-Mate  
RAST 5 Header, Vertical, 6 Circuits, Silver Plating,  
Reference K01

**Series Number :** 90858

**Status :** Active

**Product Category :** PCB Headers and Receptacles



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## Documents and Resources

### Drawings

[908583499\\_sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

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## Product Environment Compliance

### Compliance

|                    |              |
|--------------------|--------------|
| GADSL/IMDS         | Not Reviewed |
| China RoHS         | Not Reviewed |
| EU ELV             | Not Reviewed |
| Low-Halogen Status | Not Reviewed |
| REACH SVHC         | Not Reviewed |
| EU RoHS            | Not Reviewed |

### [Compliance Statements](#)

- EU RoHS
- REACH SVHC
- Low-Halogen

### [Industry Documents](#)

- IPC 1752A Class C
- IPC 1752A Class D

- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

#### Substances of Interest

- PFAS

#### EU RoHS Certificate of Compliance

#### Additional Product Compliance Information

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## Part Details

### General

|                |                                                                                            |
|----------------|--------------------------------------------------------------------------------------------|
| Status         | Active                                                                                     |
| Category       | PCB Headers and Receptacles                                                                |
| Series         | 90858                                                                                      |
| Description    | 5.00mm Pitch Appli-Mate RAST 5 Header, Vertical, 6 Circuits, Silver Plating, Reference K01 |
| Application    | Power, Wire-to-Board                                                                       |
| Component Type | PCB Header                                                                                 |
| Product Name   | RAST 5                                                                                     |
| UPC            | 756054333556                                                                               |

### Agency

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

### Electrical

|                               |       |
|-------------------------------|-------|
| Current - Maximum per Contact | 16.0A |
| Voltage - Maximum             | 250V  |

### Physical

|                                |         |
|--------------------------------|---------|
| Breakaway                      | No      |
| Circuits (Loaded)              | 6       |
| Circuits (maximum)             | 6       |
| Color - Resin                  | Natural |
| 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            | None           |
| Material - Metal               | Brass          |
| Material - Plating Mating      | Tin            |
| Material - Plating Termination | Tin            |
| Number of Rows                 | 1              |
| Orientation                    | Vertical       |
| Packaging Type                 | Bag            |
| PCB Locator                    | Yes            |
| PCB Retention                  | None           |
| PCB Thickness - Recommended    | 1.40mm         |
| PC Tail Length                 | 3.50mm         |
| Pitch - Mating Interface       | 5.00mm         |
| Polarized to PCB               | Yes            |
| Shrouded                       | Fully          |
| Stackable                      | Yes            |
| Temperature Range - Operating  | -20° to +120°C |
| Termination Interface Style    | Through Hole   |

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## Application Tooling

### Global

|                                         |                   |
|-----------------------------------------|-------------------|
| Description                             | Part Number       |
| RAST 5 Power Semi-Automatic IDC Machine | <u>2166580200</u> |