



**Part Number :** 930700010

**Series Number :** 93070

**Product Category :** PCB Headers and Receptacles

**Product Description :** Appli-Mate RAST 2.5 Header, Vertical, 3 Circuits, Tin (Sn) Plating, Glow-Wire Capable, Positioning Key B

**Status :** Active

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## Documents & Resources

### Drawings

Drawing 930700010\_sd.pdf

### Specifications

Packaging Specification PK-90871-001-001.pdf

Packaging Specification PK-93070-001-001.pdf

Product Specification PS-93070-001-001.pdf

Product Specification PS-99020-0040-001.pdf

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## Product Environment Compliance

### Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                          |
| China RoHS         |  |
| EU ELV             | Not Relevant                                                                          |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21                                                    |
| REACH SVHC         | Not Contained per per D(2022)9120-DC (17 Jan 2023)                                    |
| 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

## Part Details

### General

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Category       | PCB Headers and Receptacles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Series         | 93070                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Description    | Appli-Mate RAST 2.5 Header, Vertical, 3 Circuits, Tin (Sn) Plating, Glow-Wire Capable, Positioning Key B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Application    | Power, Wire-to-Board                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Comments       | <p>This Molex product is manufactured from material that has the following ratings, tested by independent agencies: a) A Glow Wire Ignition Temperature (GWIT) of at least 775 deg C per IEC 60695-2-13. b) A Glow Wire Flammability Index (GWFI) above 850 deg C per IEC 60695-2-12 and hence complies with the requirements set out in the International Standard IEC 60335-1 5th edition - household and similar electrical appliances - safety, section 30 Resistance to heat and fire. The customers using this product must determine its suitability for use in their particular application through testing or other acceptable means as described in end-product glow-wire flammability test standard IEC 60695-2-11 and any applicable product end-use standard(s). If it is determined during the customer's evaluation of suitability, that higher performance is required, please contact Molex for possible product options.</p> |
| Component Type | PCB Header                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Product Family | RAST Connector System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Product Name   | RAST 2.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| UPC            | 883906564247                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

### Agency

|     |         |
|-----|---------|
| CSA | LR19980 |
|-----|---------|

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

## Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 6.0A |
| Voltage - Maximum             | 32V  |

## Physical

|                                |          |
|--------------------------------|----------|
| Breakaway                      | No       |
| Circuits (Loaded)              | 3        |
| Circuits (maximum)             | 3        |
| Color - Resin                  | Natural  |
| Durability (mating cycles max) | 10       |
| First Mate / Last Break        | No       |
| Flammability                   | 94V-0    |
| Glow-Wire Capable              | Yes      |
| Guide to Mating Part           | No       |
| Keying to Mating Part          | Yes      |
| Lock to Mating Part            | Yes      |
| Material - Metal               | Brass    |
| Material - Plating Mating      | Tin      |
| Material - Plating Termination | Nickel   |
| Material - Resin               | Nylon    |
| Net Weight                     | 1.030/g  |
| Number of Rows                 | 1        |
| Orientation                    | Vertical |
| Packaging Type                 | Carton   |
| PC Tail Length                 | 3.30mm   |
| PCB Locator                    | Yes      |
| PCB Retention                  | None     |
| PCB Thickness - Recommended    | 1.50mm   |
| Pitch - Mating Interface       | 2.50mm   |
| Pitch - Termination Interface  | 2.50mm   |
| Plating min - Mating           | 3.048µm  |
| Plating min - Termination      | 3.048µm  |
| Polarized to Mating Part       | Yes      |

|                               |                |
|-------------------------------|----------------|
| Polarized to PCB              | Yes            |
| Shrouded                      | Fully          |
| Stackable                     | No             |
| Temperature Range - Operating | -20° to +120°C |
| Termination Interface Style   | Through Hole   |

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## Mates With / Use With

### Mates with Part(s)

| Description                                        | Part Number  |
|----------------------------------------------------|--------------|
| 2.50mm Pitch Appli-Mate RAST 2.5 IDT Housings      | <u>91716</u> |
| 2.50mm Pitch Appli-Mate RAST 2.5 Female Connectors | <u>93050</u> |

### Use with Part(s)

| Description | Part Number             |
|-------------|-------------------------|
| Use With    | RAST Standard Interface |

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## Application Tooling

### Global

| Description                                     | Part Number       |
|-------------------------------------------------|-------------------|
| RAST 2.5 and R-Power Semi-Automatic IDC Machine | <u>2166580100</u> |