



Part Number : [919991999](#)

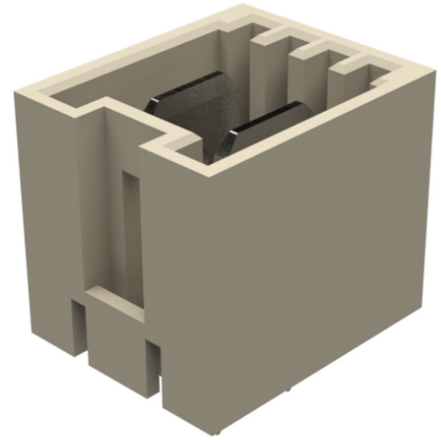
Product Description : Appli-Mate RAST 5 Header, Vertical, 4 Circuits, Silver (Ag) Plating, Position Key 1b, Code Keys 03c & d40, Latches Between Circuits 1 & 2 and 3 & 4, PCB Polarization A, Glow-Wire Capable

Series Number : 91999

Status : Active

Product Category : PCB Headers and Receptacles

Engineering Number : WITH ZYTEL RM



Documents & Resources

Drawings

[919991999_sd.pdf](#)

3D Models and Design Files

[919991999_stp.zip](#)

Specifications

[PK-90858-001-001.pdf](#)

[PS-99020-0037-001.pdf](#)

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 D(2024)6225-DC (07 Nov 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 | 91999 |
| Description | Appli-Mate RAST 5 Header, Vertical, 4 Circuits, Silver (Ag) Plating, Position Key 1b, Code Keys 03c & d40, Latches Between Circuits 1 & 2 and 3 & 4, PCB Polarization A, Glow-Wire Capable |
| 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 Name | RAST 5 |
| UPC | 883906120559 |

Agency

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

Electrical

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

Physical

| | |
|--------------------------------|-----------------|
| Breakaway | No |
| Circuits (Loaded) | 4 |
| Circuits (maximum) | 4 |
| Color - Resin | Natural (White) |
| 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 | Silver |
| Material - Plating Termination | Silver |
| Material - Resin | Nylon |
| Net Weight | 4.334/g |
| Number of Rows | 1 |
| Orientation | Vertical |
| Packaging Type | Bag |
| PC Tail Length | 3.50mm |
| PCB Locator | Yes |
| PCB Retention | None |

| | |
|-------------------------------|----------------|
| PCB Thickness - Recommended | 1.50mm |
| Pitch - Mating Interface | 5.00mm |
| Pitch - Termination Interface | 5.00mm |
| Plating min - Mating | 2.000µm |
| Plating min - Termination | 0.100µm |
| 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 |

Mates With / Use With

Mates with Part(s)

| Description | Part Number |
|--------------------------------|--------------|
| Appli-Mate RAST 5 IDT Housings | <u>91778</u> |
| Appli-Mate RAST 5 IDT Housings | <u>91779</u> |

Use with Part(s)

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

Application Tooling

Global

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