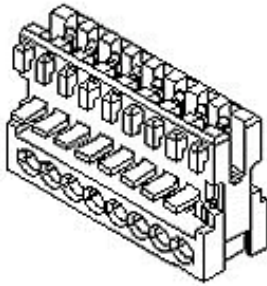




## Part Number: 90871-3251

### 2.50mm Appli-Mate RAST 2.5 IDT Housing, Direct/Indirect, Female, 9 Circuits



Series image - Reference only

**Status:** Obsolete

**Replacement:** [93050-3008](#)

**Series:** [90871](#)

**Category:** IDT and Solder Connectors

**Overview:** [RAST 2.5 Connector System](#)

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#### Mates With Part(s):

[90861](#), [90860](#)

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## Product Environmental Compliance

**EU RoHS:** ELV and RoHS Compliant

**China RoHS:** 

**REACH SVHC:** Not Reviewed

**Low-Halogen Status:** Not Low-Halogen

## Part Detail

### General

|                     |                                           |
|---------------------|-------------------------------------------|
| <b>Status</b>       | <b>Obsolete</b>                           |
| <b>Category</b>     | IDT and Solder Connectors                 |
| <b>Series</b>       | <a href="#">90871</a>                     |
| <b>Overview</b>     | <a href="#">RAST 2.5 Connector System</a> |
| <b>Product Name</b> | RAST 2.5                                  |
| <b>UPC</b>          | 822348828586                              |
| <b>Use With</b>     | RAST standard interface                   |

### Physical

|                           |         |
|---------------------------|---------|
| <b>Circuits (Loaded)</b>  | 9       |
| <b>Circuits (maximum)</b> | 9       |
| <b>Color - Resin</b>      | Natural |

|                                       |                 |
|---------------------------------------|-----------------|
| <b>Durability (mating cycles max)</b> | 10              |
| <b>Flammability</b>                   | 94V-0           |
| <b>Gender</b>                         | Female          |
| <b>Glow-Wire Compliant</b>            | No              |
| <b>Lock to Mating Part</b>            | None            |
| <b>Material - Metal</b>               | Phosphor Bronze |
| <b>Material - Plating Mating</b>      | Tin             |
| <b>Material - Plating Termination</b> | Tin             |
| <b>Material - Resin</b>               | Polyester       |
| <b>Net Weight</b>                     | 2.239/g         |
| <b>Number of Rows</b>                 | 1               |
| <b>Packaging Type</b>                 | Tray            |
| <b>Panel Mount</b>                    | No              |
| <b>Pitch - Mating Interface</b>       | 2.50mm          |
| <b>Pitch - Termination Interface</b>  | 2.50mm          |
| <b>Plating min - Mating</b>           | 1.016µm         |
| <b>Plating min - Termination</b>      | 1.016µm         |
| <b>Polarized to Mating Part</b>       | Yes             |
| <b>Stackable</b>                      | No              |
| <b>Temperature Range - Operating</b>  | -20C to +120C   |
| <b>Termination Interface: Style</b>   | IDT or Pierce   |
| <b>Wire Size AWG</b>                  | 22, 24          |

## Electrical

(Please review the Product Specification for specific details.)

|                                      |        |
|--------------------------------------|--------|
| <b>Current - Maximum per Contact</b> | 2.0A   |
| <b>Voltage - Maximum</b>             | 32V AC |

## Agency Certification

Please find UL Certificates by searching the UL Database using the Molex Series Number. [Click here to visit the UL Database](#)

|            |         |
|------------|---------|
| <b>CSA</b> | LR19980 |
| <b>UL</b>  | E29179  |

## Material Info

## Reference - Drawing Numbers

|                                |              |
|--------------------------------|--------------|
| <b>Packaging Specification</b> | PK-90871-001 |
| <b>Sales Drawing</b>           | SD-90871-001 |

## Application Tooling

Tooling specifications and manuals are found by selecting the products below.

Crimp Height Specifications are then contained in the Application Tooling Specification document.

## Global

| Description                                                           | Product #                  |
|-----------------------------------------------------------------------|----------------------------|
| Hand Tool for Appli-Mate RAST2.5, RAST Signal, and R-Power Connectors | <a href="#">63827-2900</a> |

## Crimp Quality Equipment

[Molex also offers wire strippers, pull testers, shut-height gauges, micro-meters and more](#)

## **Previously Available Application Tooling**

[Check our list of old tooling that used to be available for this part](#)