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**Part Number:** [91716-7501](#)  
**Status:** **Active**  
**Overview:** [RAST 2.5 Connector System](#)  
**Description:** 2.50mm Pitch Appli-Mate® RAST 2.5 IDT Housing, Direct/Indirect, Female, 18 Circuits, Fully Coded

**Documents:**

|                                                           |                                                               |
|-----------------------------------------------------------|---------------------------------------------------------------|
| <a href="#">3D Model</a>                                  | <a href="#">Application Specification AS-99033-0008 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                             | <a href="#">Packaging Specification PK-90871-001 (PDF)</a>    |
| <a href="#">Product Specification PS-99020-0040 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>          |

**Agency Certification**

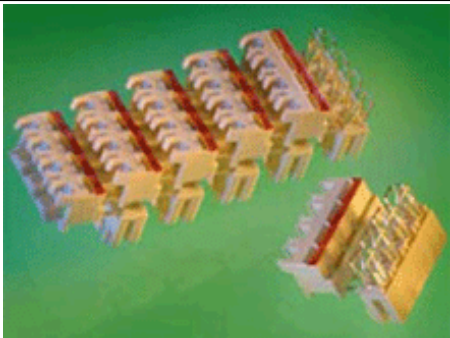
|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Family          | IDT and Solder Connectors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Series                  | <a href="#">91716</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Comments                | "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. <P><P> 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). <P> If it is determined during the customer's evaluation of suitability, that higher performance is required, please contact Molex for possible product options." |
| Crimp Quality Equipment | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Overview                | <a href="#">RAST 2.5 Connector System</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Product Name            | RAST 2.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| UPC                     | 822350080484                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Use With                | RAST standard Interface                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

**Physical**

|                                |                 |
|--------------------------------|-----------------|
| Circuits (Loaded)              | 18              |
| Circuits (maximum)             | 18              |
| Color - Resin                  | Natural (White) |
| Durability (mating cycles max) | 10              |
| Flammability                   | 94V-0           |
| Gender                         | Female          |
| Glow-Wire Compliant            | No              |
| Lock to Mating Part            | None            |
| Material - Metal               | Phosphor Bronze |
| Material - Plating Mating      | Tin             |
| Material - Plating Termination | Tin             |
| Material - Resin               | Nylon           |
| Net Weight                     | 4.289/g         |



Series

image - Reference only

**EU RoHS**

**ELV and RoHS  
Compliant**

**REACH SVHC**

**Contains SVHC: No  
Low-Halogen Status  
Low-Halogen**

**China RoHS**



**Need more information on product  
environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[91716Series](#)

**Mates With**

Appli-Mate RAST 2.5 Header [90861](#) , [90860](#)

**Application Tooling | FAQ**

*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,          | <a href="#">0638272900</a> |
| RAST Signal, and R-Power Connectors        |                            |
| RAST 2.5 Semi-Automatic Terminator Machine | <a href="#">0623006200</a> |

|                               |               |
|-------------------------------|---------------|
| Number of Rows                | 1             |
| Packaging Type                | Tray          |
| Panel Mount                   | No            |
| Pitch - Mating Interface      | 2.50mm        |
| Pitch - Termination Interface | 2.50mm        |
| Plating min - Mating          | 1.016μm       |
| Plating min - Termination     | 1.016μm       |
| Polarized to Mating Part      | Yes           |
| Stackable                     | No            |
| Temperature Range - Operating | -20C to +120C |
| Termination Interface: Style  | IDT or Pierce |
| Wire Size AWG                 | 22, 24        |

**Electrical**

|                               |        |
|-------------------------------|--------|
| Current - Maximum per Contact | 2A, 4A |
| Voltage - Maximum             | 32V AC |

**Material Info**

**Reference - Drawing Numbers**

|                           |               |
|---------------------------|---------------|
| Application Specification | AS-99033-0008 |
| Packaging Specification   | PK-90871-001  |
| Product Specification     | PS-99020-0040 |
| Sales Drawing             | SD-91716-001  |

This document was generated on 07/03/2014

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