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**Part Number:** [91999-0542](#)  
**Status:** **Active**  
**Overview:** [RAST 5 Connector System](#)  
**Description:** Appli-Mate RAST 5.0 Header, Vertical, 3 Circuits, Tin (Sn) Plating, Glow Wire Compatible

**Documents:**

[Drawing \(PDF\)](#) [Packaging Specification PK-90858-001 \(PDF\)](#)  
[Product Specification PS-99020-0037 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Packaging Specification PK-90833-001 \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

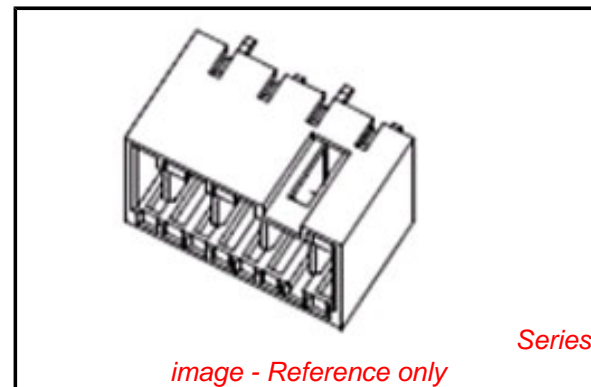
**General**

Product Family PCB Headers  
 Series [91999](#)  
 Application Power, Wire-to-Board  
 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."

Overview [RAST 5 Connector System](#)  
 Product Name RAST 5  
 UPC 887191164953

**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 Compliant 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



**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC Not Reviewed**  
**Low-Halogen Status Not Reviewed**

**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**

[91999Series](#)

**Mates With**

Appli-Mate RAST 5 IDT Housing [91778](#) , [91779](#)

**Use With**

RAST Standard Interface

Material - Resin	Nylon
Number of Rows	1
Orientation	Vertical
PC Tail Length	3.90mm
PCB Locator	Yes
PCB Retention	None
PCB Thickness - Recommended	1.40mm
Packaging Type	Bag
Pitch - Mating Interface	5.00mm
Pitch - Termination Interface	5.00mm
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-20C to +120C
Termination Interface: Style	Through Hole

### **Electrical**

Current - Maximum per Contact	16A
Voltage - Maximum	250V AC

### **Material Info**

### **Reference - Drawing Numbers**

Packaging Specification	PK-90833-001, PK-90858-001
Product Specification	PS-99020-0037
Sales Drawing	SD-91999-001, SD-93319-001

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