

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0913383501](#)  
**Status:** **Active**  
**Overview:** [rast 5 connector system](#)  
**Description:** 5.00mm (.197") Pitch Appli-Mate RAST 5 Female Connector, Vertical, 1 Circuit, Gray, Silver (Ag) Plating, Reference K01

**Documents:**

[3D Model](#) [Product Specification PS-99020-0037 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

Product Family IDT and Solder Connectors  
 Series [91338](#)  
 Crimp Quality Equipment Yes  
 Overview [rast 5 connector system](#)  
 Product Name RAST 5

**Physical**

Circuits (Loaded) 1  
 Color - Resin Gray  
 Durability (mating cycles max) 10  
 Gender Female  
 Glow-Wire Compliant No  
 Lock to Mating Part None  
 Material - Metal Phosphor Bronze  
 Material - Plating Mating Silver  
 Material - Plating Termination Silver  
 Material - Resin Nylon  
 Number of Rows 1  
 Packaging Type Tray  
 Panel Mount No  
 Pitch - Mating Interface (in) 0.197 In  
 Pitch - Mating Interface (mm) 5.00 mm  
 Plating min: Mating (µin) 80  
 Plating min: Mating (µm) 2  
 Plating min: Termination (µin) 4  
 Plating min: Termination (µm) .10  
 Stackable Yes  
 Temperature Range - Operating -20°C to +85°C  
 Termination Interface: Style IDT or Pierce  
 Wire Size AWG 18, 20

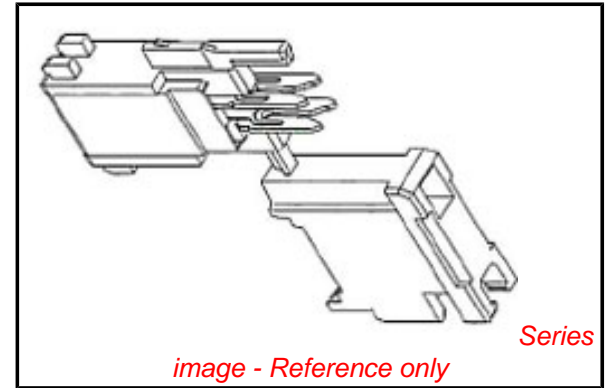
**Electrical**

Current - Maximum per Contact 10A, 6A  
 Voltage - Maximum 250V

**Material Info**

**Reference - Drawing Numbers**

Application Specification AS-99033-0004  
 Product Specification PS-99020-0037  
 Sales Drawing SD-91338-006



**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC**  
 Not Reviewed  
**Halogen-Free 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**

[91338Series](#)

**Mates With**

Appli-Mate RAST 5.0 Header [90858](#) , [90879](#)

**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 #
RAST 5.0 Semi-Automatic Terminator Machine for Appli-Mate™ Connector 6 and 10 AMP	<a href="#">0623006300</a>

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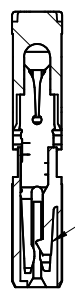
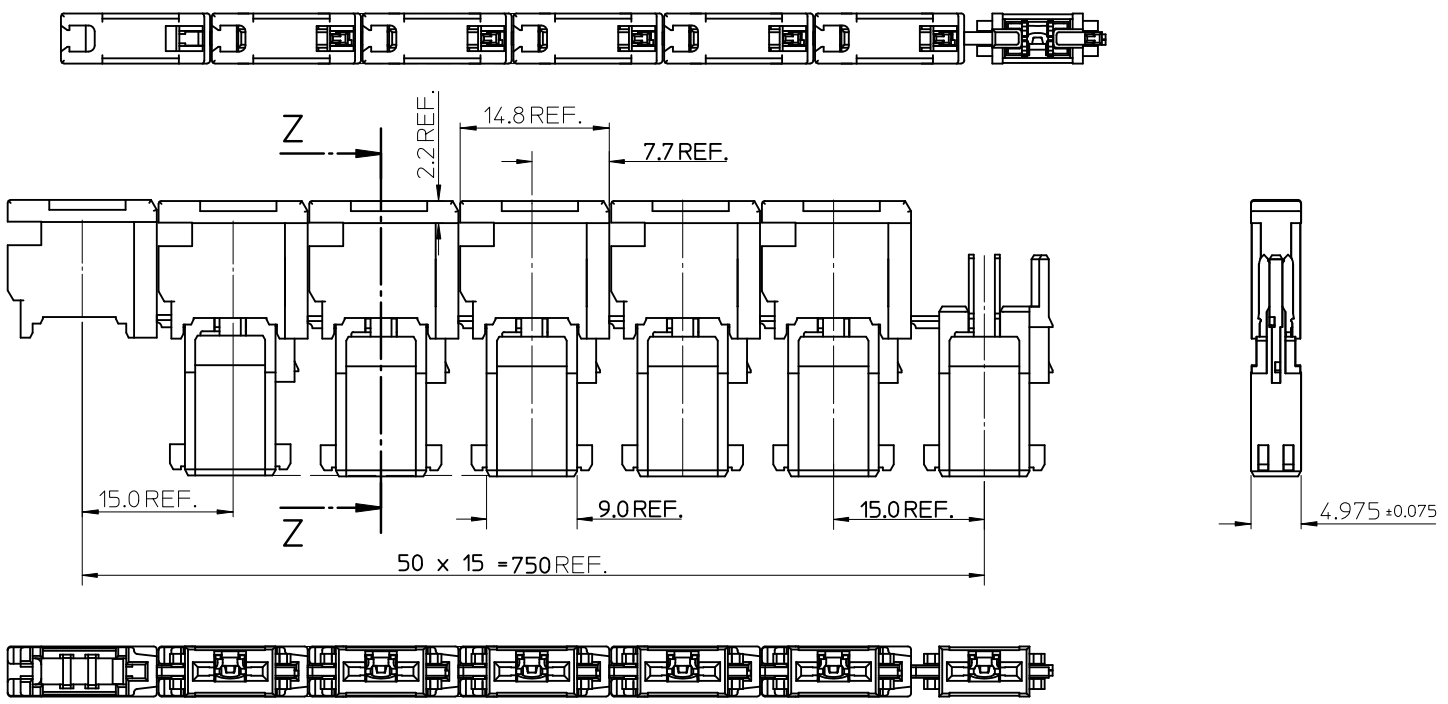
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LOCKING TAB

Z-Z

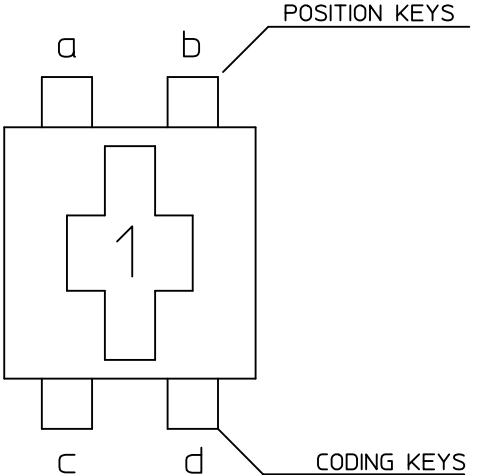
NOTES:

1. MATERIALS:
  - HOUSING: POLYAMIDE (PA66) UL 94V-2
  - TERMINAL: COPPER ALLOY, 0.5 REF THICK
  - PLATING:
    - OPTION 1: 5µm MIN PURE Sn ALL OVER
    - OR
    - OPTION 2: 2µm MIN SILVER IN CONTACT AREA
    - 0.05µm MIN SILVER FLASH ALLOVER
2. PRODUCT CONFORMS TO SPECIFICATION PS-99020-0037
3. PACKAGING SPECIFICATION PK-90833-001
4. REFER TO APPLICATION SPECIFICATION AS-99033-0004

plating flash change EC NO: E2010-0213 DRWN: BRITTLE 2010/01/08 CHKD: T. TOURISH 2010/01/19 APPR: B. MAGUIRE 2010/01/19 REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	▽=0 ▽=0	mm	INCH	DRAWN BY CCONLON	DATE 1999/06/28	TITLE 5MM APPLI-MATE 1CKT 10A FEMALE CONNECTOR		
		4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	CHECKED BY PWHITE	DATE 1999/06/28	MOLEX INCORPORATED		
		2 PLACES ± 0.05 ± ---	1 PLACE ± 0.10 ± ---	APPROVED BY MWHITE	DATE 1999/07/01	DOCUMENT NO. SD-91338-006		SHEET NO. 1 OF 2
	ANGULAR ± 2 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	

9 8 7 6 5 4 3 2 1

MOLEX PART NUMBER (See Note 3.)	TERMINAL (see Note 1 sheet1)	COLOUR	POSITION KEYS	CODING KEYS	CONFIGURATION	REF				
91338-0102	OPTION 1 (TIN)	NATURAL	b	c d		K02				
91338-3102	OPTION 2 (SILVER)									
91338-0103	OPTION 1 (TIN)	NATURAL	NONE	NONE		K12				
91338-3103	OPTION 2 (SILVER)									
91338-0403	OPTION 1 (TIN)	BLUE	a	c d		K03				
91338-3403	OPTION 2 (SILVER)									
91338-0601	OPTION 1 (TIN)	YELLOW	a b	d		K01				
91338-3601	OPTION 2 (SILVER)									
91338-0501	OPTION 1 (TIN)	GREY								
91338-3501	OPTION 2 (SILVER)									
91338-0801	OPTION 1 (TIN)	BLACK								
91338-3801	OPTION 2 (SILVER)									
91338-0104	OPTION 1 (TIN)	NATURAL	NONE	c		K11				
91338-3104	OPTION 2 (SILVER)									
91338-0105	OPTION 1 (TIN)	NATURAL	a	c		K09				
91338-3105	OPTION 2 (SILVER)									
91338-0507	OPTION 1 (TIN)	GREY	a b	c		K07				
91338-3507	OPTION 2 (SILVER)									
91338-0607	OPTION 1 (TIN)	YELLOW								
91338-3607	OPTION 2 (SILVER)									
91338-0700	OPTION 1 (TIN)	GREEN					a b	c d		K00
91338-3700	OPTION 2 (SILVER)									



POSITION & CODING KEYS IDENTIFICATION

SEE SHEET 1 EC NO: E2010-02/13 DRW: BRUTTE 2010/01/08 CHKD: T. TOURISH 2010/01/19 APPR: BMAGUIRE 2010/01/19	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	▽=0	mm	INCH	DRAWN BY CCONLON	DATE 1999/06/28	TITLE 5MM APPLI-MATE 1CKT 10A FEMALE CONNECTOR		
	∇=0	4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	CHECKED BY PWHITE	DATE 1999/06/28	MOLEX INCORPORATED		
		2 PLACES ± 0.05 ± ---	1 PLACE ± 0.10 ± ---	APPROVED BY MWILHITE	DATE 1999/07/01	DOCUMENT NO. SD-91338-006	SHEET NO. 2 OF 2	
		ANGULAR ± 2 °		MATERIAL NO.		SEE CHART		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		