

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

**Part Number:** [0930500001](#)  
**Status:** **Active**  
**Overview:** [rast\\_25\\_connector\\_system](#)  
**Description:** 2.50mm (.098") Pitch Appli-Mate RAST 2.5 Female Connector, Glow Wire Compliant, 3 Circuits, Natural, Open Endwalls, Positions Removed None

**Documents:**

[3D Model](#) [Product Specification PS-99020-0040 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family IDT and Solder Connectors  
 Series [93050](#)  
 Crimp Quality Equipment Yes  
 Overview [rast\\_25\\_connector\\_system](#)  
 Product Name RAST 2.5  
 Use With RAST standard interface

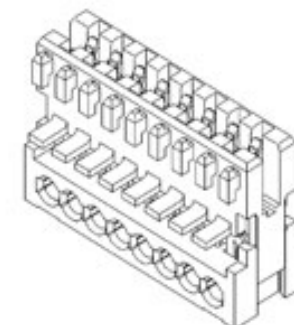
**Physical**

Circuits (Loaded) 3  
 Circuits (maximum) 3  
 Color - Resin Natural  
 Durability (mating cycles max) 10  
 Flammability 94V-2  
 Gender Female  
 Glow-Wire Compliant Yes  
 Lock to Mating Part None  
 Material - Metal Phosphor Bronze  
 Material - Plating Mating Tin  
 Material - Plating Termination Tin  
 Material - Resin Polyester  
 Number of Rows 1  
 Packaging Type Tray  
 Panel Mount No  
 Pitch - Mating Interface (in) 0.198 In  
 Pitch - Mating Interface (mm) 5.00 mm  
 Pitch - Term. Interface (in) 0.198 In  
 Pitch - Term. Interface (mm) 5.00 mm  
 Plating min: Mating (µin) 40  
 Plating min: Mating (µm) 1.00  
 Plating min: Termination (µin) 40  
 Plating min: Termination (µm) 1.00  
 Polarized to Mating Part No  
 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  
 Voltage - Maximum 250V AC

**Material Info**



Series

image - Reference only

**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC Contains SVHC: No**  
**Halogen-Free Status**

**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**

[93050Series](#)

**Mates With**

Appli-Mate RAST 2.5 Header [93070](#)

**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 2.5 Semi-Automatic Terminator Machine For Appli-Mate™ Connectors	<a href="#">0623006200</a>

## Reference - Drawing Numbers

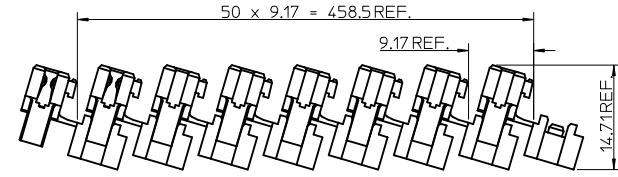
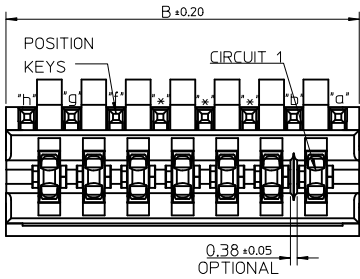
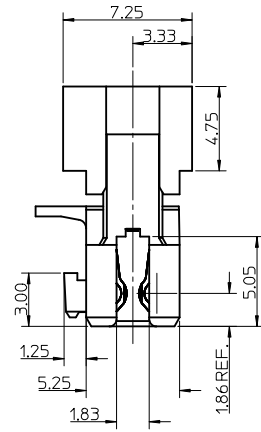
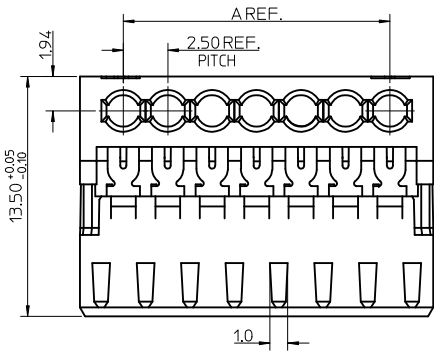
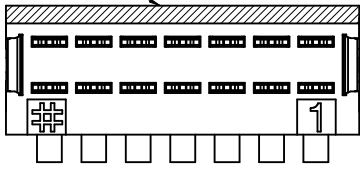
Application Specification  
Packaging Specification  
Product Specification  
Sales Drawing

AS-99033-0008  
PK-90871-001  
PS-99020-0040  
SD-93050-001

This document was generated on 05/28/2010

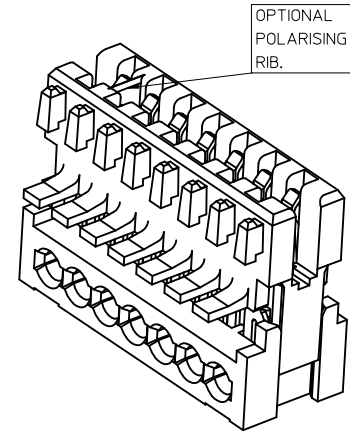
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POSITION OF COLOUR STRIPE (see note 3)



SHIPPING ARRANGEMENT SCALE 2:1

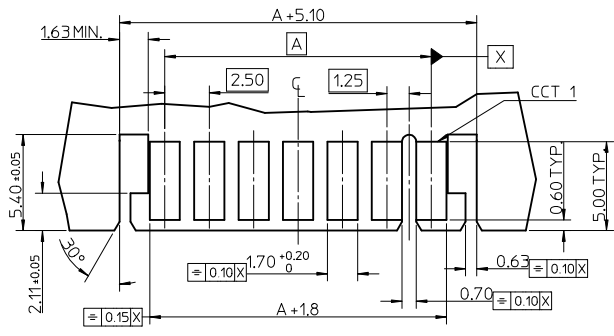
CCT	"A"	"B"
3	5.0	9.875
4	7.5	12.375
5	10.0	14.875
6	12.5	17.375
7	15.0	19.875
8	17.5	22.375
9	20.0	24.875
10	22.5	27.375
11	25.0	29.875
12	27.5	32.375
13	30.0	34.875



OPEN END WALL OPTION

NOTES:

- REFER TO PRODUCT SPECIFICATION: PS-99020-0040.
- MATERIAL: HOUSING - POLYESTER (PBT)  
UL94-V2. COLOUR NATURAL.  
TERMINAL: PHOSPHOR BRONZE 0.30 REF. THICK - PLATING  
HOT TIN DIP.
- COLOUR STRIPE IS OPTIONAL. AVAILABLE IN THE FOLLOWING COLOURS: RED, GREEN, BLUE.  
(BLACK SIGNIFIES CUSTOMER SPECIFIC CONFIGURATION).
- REFER TO PACKAGING SPEC (PK-90871-001)
- REFER TO APPLICATION SPEC (AS-99033-0008)
- FOR CIRCUIT SIZES LARGER THAN 13CCT - CONTACT ENG. DEPT.



- PCB LAYOUT FOR 7CCT CONNECTOR (WITH OPTIONAL POSITIONAL RIB SLOT BETWEEN CCT 1 & 2)
- RECOMMENDED PCB THICKNESS 1.5±0.14

ADDED NEW P/N'S EC NO: E2010-0339 DRAWN: BMAGUIRE 2010/03/30 CHKD: NMCNAMARA 2007/07/09 APPR: BMAGUIRE 2010/05/05	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		mm	INCH	DRAWN BY TTOURISH	DATE 2007/07/07	TITLE APPLI-MATE 2.5 FEMALE G.W.T. 750 VERSION		
REV	DESCRIPTION	4 PLACES ± --- ± ---	3 PLACES ± 0.05 ± ---	2 PLACES ± 0.10 ± ---	1 PLACE ± 0.2 ± ---	APPROVED BY BMAGUIRE	DATE 2007/07/09	MATERIAL NO. DOCUMENT NO. SD-93050-001
		ANGULAR ±1/2°		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHARTS		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

### 3 CIRCUIT

MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE 1)	ENDWALLS	POLARIZING RIB	COLOUR STRIPE
93050-0001	NONE	NONE		OPEN	NONE	NONE
93050-0003	NONE	b d		OPEN	NONE	NONE
93050-0005	NONE	b		OPEN	NONE	NONE
93050-0006	NONE	d		OPEN	NONE	NONE
93050-0007	NONE	a c		OPEN	NONE	NONE
93050-0008	NONE	a b		OPEN	NONE	NONE
93050-0009	NONE	c d		OPEN	NONE	NONE
93050-0012	NONE	b c		OPEN	BETWEEN CCT 1&2	NONE
93050-0013	NONE	a		OPEN	BETWEEN CCT 1&2	NONE
93050-0014	NONE	c		OPEN	BETWEEN CCT 2&3	BLUE
93050-0016	NONE	NONE		OPEN	BETWEEN CCT 1&2	NONE
93050-0017	NONE	NONE		OPEN	BETWEEN CCT 2&3	NONE
93050-0018	NONE	a b c		OPEN	NONE	NONE
93050-0019	NONE	c		OPEN	NONE	NONE
93050-0020	NONE	a d		OPEN	NONE	NONE
93050-0021	NONE	NONE		OPEN	NONE	BLUE
93050-0022	NONE	NONE		OPEN	BETWEEN CCT 1&2	BLUE
93050-0023	NONE	b c		OPEN	NONE	NONE
93050-0024	NONE	a		OPEN	NONE	NONE

### 4 CIRCUIT

MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE 1)	ENDWALLS	POLARIZING RIB	COLOUR STRIPE
93050-0501	NONE	NONE		OPEN	NONE	NONE
93050-0502	NONE	a b d e		OPEN	BETWEEN CKT 1&2	NONE
93050-0503	NONE	ALL		OPEN	BETWEEN CKT 3&4	NONE
93050-0504	NONE	ALL		OPEN	BETWEEN CKT 3&4	BLUE
93050-0505	NONE	c e		OPEN	NONE	NONE
93050-0506	NONE	b c		OPEN	NONE	NONE
93050-0507	NONE	NONE		OPEN	BETWEEN CKT 2&3	NONE
93050-0508	NONE	a d e		OPEN	NONE	NONE
93050-0509	NONE	a c		OPEN	NONE	NONE
93050-0751	NONE	b e		1st CLOSED LAST OPEN	NONE	NONE
93050-0510	NONE	b d		OPEN	NONE	NONE
93050-0511	NONE	b e		OPEN	NONE	NONE
93050-0512	NONE	NONE		OPEN	NONE	BLUE

### 6 CIRCUIT

MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE 1)	ENDWALLS	POLARIZING RIB	COLOUR STRIPE
93050-1501	NONE	NONE		OPEN	NONE	NONE
93050-1502	CCT 2, 4	NONE		OPEN	NONE	NONE
93050-1503	NONE	a d e f		OPEN	NONE	NONE
93050-1504	CCT 2, 5	b c d e g		OPEN	NONE	NONE
93050-1505	NONE	b d e g		OPEN	NONE	NONE
93050-1506	NONE	g		OPEN	NONE	NONE
93050-1507	NONE	b c d g		OPEN	NONE	NONE
93050-1508	NONE	b c e		OPEN	NONE	NONE
93050-1509	NONE	b c d e f		OPEN	NONE	NONE
93050-1510	CCT 3, 5	NONE		OPEN	NONE	NONE
93050-1513	CCT 2, 4	b c e		OPEN	BETWEEN 4&5	NONE

### 5 CIRCUIT

MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE 1)	ENDWALLS	POLARIZING RIB	COLOUR STRIPE
93050-1001	NONE	NONE		OPEN	NONE	NONE
93050-1002	NONE	c d e		OPEN	NONE	NONE
93050-1003	NONE	NONE		OPEN	BETWEEN CKT 2&3	NONE
93050-1004	NONE	c d		OPEN	NONE	NONE
93050-1005	CCT 2, 3, 4	e		OPEN	NONE	NONE


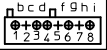
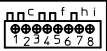
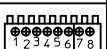
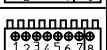
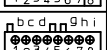
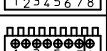
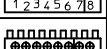
### 7 CIRCUIT

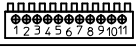

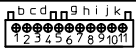
MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE 1)	ENDWALLS	POLARIZING RIB	COLOUR STRIPE
93050-2001	NONE	NONE		OPEN	NONE	NONE
93050-2002	cct 2, 3, 5	c d f h		OPEN	NONE	NONE
93050-2003	NONE	a c d e f g		OPEN	NONE	NONE
93050-2004	NONE	b c f h		OPEN	NONE	NONE
93050-2005	NONE	b c d e f		OPEN	NONE	NONE
93050-2009	NONE	NONE		OPEN	BETWEEN 6&7	NONE


**NOTES**


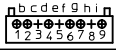

- + DENOTES TERMINAL VOIDED POSITION
- ⊕ DENOTES TERMINAL LOADED POSITION
- | DENOTES POLARIZING RIB POSITION


<b>SEE SHEET 1</b> ELEC NO: E2010-0339 DRAWN BY: B.MAGUIRE 2010/03/30 CHKD BY: M.NAMARA 2007/07/09 APPR BY: B.MAGUIRE 2010/05/05	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ±.--- ±.--- 3 PLACES ±.05 ±.--- 2 PLACES ±.10 ±.--- 1 PLACE ±.02 ±.--- ANGULAR ±1/2°	DIMENSION STYLE <b>MM ONLY</b> DRAWN BY DATE T.TOURISH 2007/07/07 CHECKED BY DATE M.NAMARA 2007/07/09 APPROVED BY DATE B.MAGUIRE 2007/07/09	SCALE <b>1:1</b> DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE CHART	MATERIAL NO. SD-93050-001
		INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				MOLEX INCORPORATED	SHEET NO. 2 OF 3
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX				DOCUMENT NO.	TITLE <b>APPLI-MATE 2.5 FEMALE G.W.T. 750 VERSION</b>

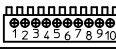
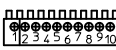
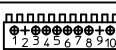
8 CIRCUIT						
MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE 1)	ENDWALLS	POLARIZING RIB	COLOUR STRIPE
93050-2501	NONE	NONE		OPEN	NONE	NONE
93050-2502	CCT 2, 5, 7	b c d f g h i		OPEN	NONE	NONE
93050-2503	NONE	c f h i		OPEN	NONE	NONE
93050-2504	NONE	NONE		OPEN	BETWEEN CKT 6&7	BLUE
93050-2505	NONE	NONE		OPEN	BETWEEN CKT 7&8	BLUE
93050-2506	NONE	b c d g h i		OPEN	NONE	NONE
93050-2507	NONE	NONE		OPEN	BETWEEN CKT 7&8	NONE
93050-2508	NONE	NONE		OPEN	BETWEEN CKT 6&7	NONE




11 CIRCUIT						
MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE 1)	ENDWALLS	POLARIZING RIB	COLOUR STRIPE
93050-4001	NONE	NONE		OPEN	NONE	NONE
93050-4002	NONE	b c d e f g h i j k		OPEN	BETWEEN CCT 9&10	BLUE
93050-4003	NONE	b c d g h i j k		OPEN	NONE	NONE

12 CIRCUIT						
MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE 1)	ENDWALLS	POLARIZING RIB	COLOUR STRIPE
93050-4501	NONE	NONE		OPEN	NONE	NONE

9 CIRCUIT						
MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE 1)	ENDWALLS	POLARIZING RIB	COLOUR STRIPE
93050-3001	NONE	NONE		OPEN	NONE	NONE
93050-3002	CCT 3, 5, 8	b c d e f g h i		OPEN	NONE	NONE
93050-3003	NONE	NONE		OPEN	BETWEEN CKT 8&9	NONE

13 CIRCUIT						
MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE 1)	ENDWALLS	POLARIZING RIB	COLOUR STRIPE
93050-5001	NONE	NONE		OPEN	NONE	NONE

10 CIRCUIT						
MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE 1)	ENDWALLS	POLARIZING RIB	COLOUR STRIPE
93050-3501	NONE	NONE		OPEN	NONE	NONE
93050-3502	NONE	NONE		OPEN	BETWEEN CCT 1&2	NONE
93050-3503	CCT 2, 9	NONE		OPEN	NONE	BLUE

<b>SEE SHEET 1</b> ELEC NO: E2010-0339 DRAWN BY: BMAGUIRE 2010/03/30 CHECKED BY: CHIKO NMCNAMARA 2007/07/09 APPROVED BY: APPR:BMAGUIRE 2010/05/05 REV	QUALITY SYMBOLS  	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td><math>\pm 0.15</math></td> <td><math>\pm 0.006</math></td> </tr> <tr> <td>3 PLACES</td> <td><math>\pm 0.05</math></td> <td><math>\pm 0.002</math></td> </tr> <tr> <td>2 PLACES</td> <td><math>\pm 0.10</math></td> <td><math>\pm 0.004</math></td> </tr> <tr> <td>1 PLACE</td> <td><math>\pm 0.2</math></td> <td><math>\pm 0.008</math></td> </tr> </table>		mm	INCH	4 PLACES	$\pm 0.15$	$\pm 0.006$	3 PLACES	$\pm 0.05$	$\pm 0.002$	2 PLACES	$\pm 0.10$	$\pm 0.004$	1 PLACE	$\pm 0.2$	$\pm 0.008$	DIMENSION STYLE <b>MM ONLY</b>	SCALE <b>1:1</b>	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION 
		mm	INCH																		
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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHARTS	DRAWN BY: T. TOURISH 2007/07/07 CHECKED BY: NMCNAMARA 2007/07/09 APPROVED BY: BMAGUIRE 2007/07/09	MATERIAL NO.	DOCUMENT NO.	TITLE <b>APPLI-MATE 2.5 FEMALE G.W.T. 750 VERSION</b>	SHEET NO. <b>3 OF 3</b>															
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