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Part Number: [0930510001](#)
Status: **Active**
Overview: [rast_25_connector_system](#)
Description: 5.00mm (.196") Pitch Appli-Mate RAST 2.5 Female Connector, Glow Wire Compliant, 2 Circuits, Natural, Open Endwalls, with Red Stripe

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 [93051](#)
 Comments With Red Stripe
 Crimp Quality Equipment Yes
 Overview [rast_25_connector_system](#)
 Product Name RAST 2.5
 Use With RAST Standard Interface

Physical

Circuits (Loaded) 2
 Circuits (maximum) 2
 Color - Resin Natural
 Durability (mating cycles max) 10
 Flammability 94V-2
 Gender Female
 Glow-Wire Compliant Yes
 Lock to Mating Part Yes
 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
 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

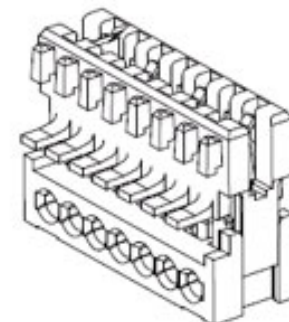


image - Reference only

Series

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
 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

[93051Series](#)

Mates With

Appli-Mate RAST 2.5 Header [93071](#)

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	0623006200

Reference - Drawing Numbers

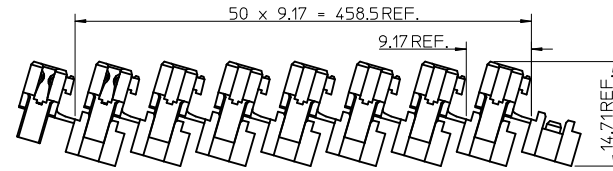
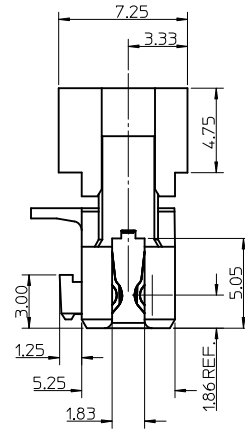
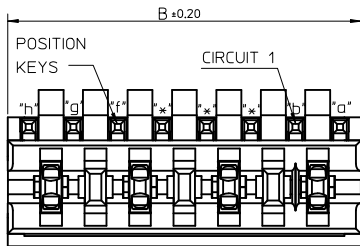
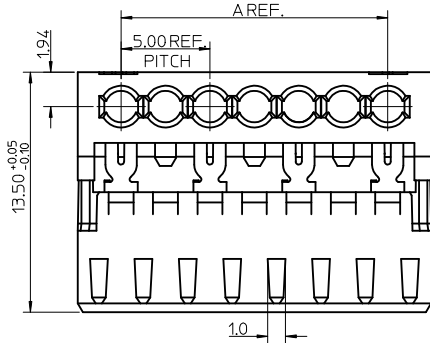
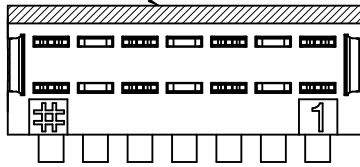
Application Specification
Packaging Specification
Product Specification
Sales Drawing

AS-99033-0008
PK-90871-001
PS-99020-0040
SD-93051-001

This document was generated on 05/28/2010

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POSITION OF COLOUR STRIPE (see note 3)

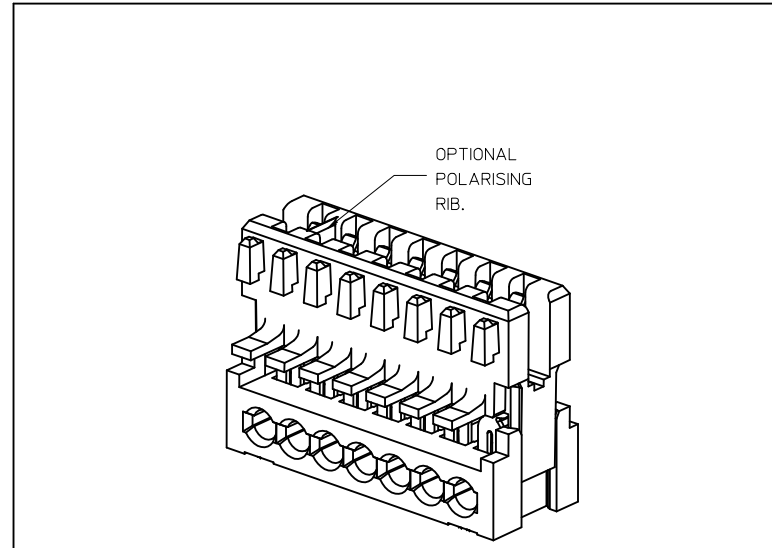


SHIPPING ARRANGEMENT SCALE 2:1

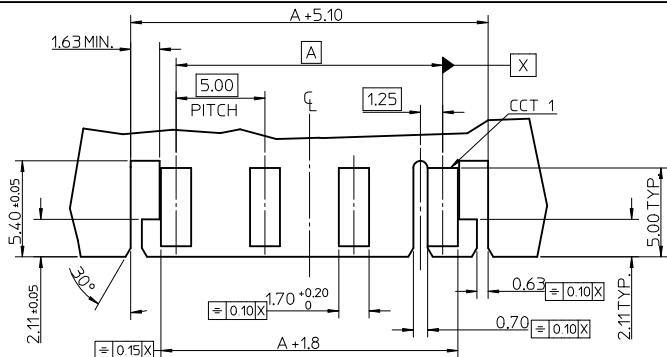
CCT	"A"	"B"
2	5.0	9.875
3	10.0	14.875
4	15.0	19.875
5	20.0	24.875
6	25.0	29.875
7	30.0	34.875

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 7CCT - CONTACT ENG. DEPT.



OPEN END WALLS OPTION.



- PCB LAYOUT FOR 4CCT (5mm) CONNECTOR (WITH OPTIONAL POSITIONAL RIB SLOT BETWEEN CCT 1 & 2)
- RECOMMENDED PCB THICKNESS 1.5±0.14

ADDED PART NOS EC NO: E2010-0280 DRAWN: TOURISH 2010/02/02 CHKD: BRITTLE 2007/07/10 APPR: BMAGUIRE 2010/04/01	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		4 PLACES ± --- ± --- 3 PLACES ± 0.05 ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.2 ± --- ANGULAR ± 1/2°	mm INCH	DRAWN BY TOURISH	DATE 2007/07/09	CHECKED BY NMCNAMARA	DATE 2007/07/10	TITLE APPLI-MATE 2.5 FEMALE G.W.T. 750 VERSION 5MM PITCH
DESCRIPTION REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHART		APPROVED BY BMAGUIRE	DATE 2010/03/30	MATERIAL NO. SD-93051-001		
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						DOCUMENT NO. SD-93051-001

2 CIRCUIT					
MOLEX PART NO.	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE ①)	ENDWALLS	POLARIZING RB	COLOR STRIPE
93051-0001	NONE		OPEN	NONE	RED
93051-0002	NONE		OPEN	NONE	NONE
93051-0003	a		OPEN	NONE	NONE
93051-0004	b		OPEN	NONE	BLUE
93051-0005	c		OPEN	NONE	NONE
93051-0006	c		OPEN	NONE	BLACK
93051-0007	b d		OPEN	NONE	BLUE
93051-0008	b c		OPEN	NONE	BLUE
93051-0012	a b		OPEN	NONE	NONE
93051-0013	b d		OPEN	NONE	NONE
93051-0014	b		OPEN	NONE	NONE
93051-0015	b c		OPEN	NONE	NONE
93051-0017	a d		OPEN	NONE	NONE
93051-0018	a c		OPEN	NONE	NONE
93051-0019	a d		OPEN	BETWEEN HSG CCT 1&2	NONE
93051-0020	d		OPEN	NONE	BLUE
93051-0021	c d		OPEN	NONE	RED
93051-0024	a d		OPEN	NONE	BLUE
93051-0025	a b		OPEN	NONE	BLUE
93051-0026	c		1ST OPEN Last Closed	NONE	NONE
93051-0027	a c d		OPEN	NONE	NONE
93051-0028	d		OPEN	NONE	NONE
93051-0029	ALL		OPEN	NONE	NONE
93051-0030	c d		OPEN	NONE	NONE
93051-0031	ALL		OPEN	NONE	BLACK
93051-0032	a b c		OPEN	NONE	BLUE
93051-0033	a c		1ST OPEN Last Closed	NONE	NONE

3 CIRCUIT					
MOLEX PART NO.	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE ①)	ENDWALLS	POLARIZING RB	COLOR STRIPE
93051-1001	NONE		OPEN	NONE	NONE
93051-1002	c d f		OPEN	NONE	NONE
93051-1003	a d e		OPEN	NONE	NONE
93051-1004	d e f		OPEN	NONE	NONE
93051-1005	b c d		OPEN	NONE	NONE
93051-1006	a b d		OPEN	NONE	NONE
93051-1007	a d e f		OPEN	NONE	NONE
93051-1008	b c e		OPEN	NONE	NONE
93051-1009	a c d		OPEN	NONE	NONE

4 CIRCUIT					
MOLEX PART NO.	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE ①)	ENDWALLS	POLARIZING RB	COLOR STRIPE
93051-2001	NONE		OPEN	NONE	NONE
93051-2002	ALL		OPEN	NONE	NONE
93051-2003	b c d f		OPEN	NONE	NONE
93051-2004	d e f g		OPEN	NONE	NONE
93051-2005	a b e f h		OPEN	NONE	NONE
93051-2006	d e f g h		OPEN	NONE	NONE
93051-2007	c d		OPEN	NONE	NONE
93051-2008	b c d e		OPEN	NONE	NONE

NOTES
 ① + DENOTES TERMINAL VOIDED POSITION
 ● DENOTES TERMINAL LOADED POSITION
 | DENOTES POLARIZING RB POSITION

5 CIRCUIT					
MOLEX PART NO.	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE ①)	ENDWALLS	POLARIZING RB	COLOR STRIPE
93051-3001	NONE		OPEN	NONE	NONE
93051-3002	c e f h		OPEN	NONE	NONE
93051-3003	b d f g i		OPEN	NONE	NONE
93051-3004	c e g h		OPEN	NONE	NONE

6 CIRCUIT					
MOLEX PART NO.	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE ①)	ENDWALLS	POLARIZING RB	COLOR STRIPE
93051-4001	NONE		OPEN	NONE	NONE
93051-4002	d e f g h i		OPEN	NONE	NONE
93051-4003	c d e h i j		OPEN	NONE	NONE
93051-4004	a b e f g h k l		OPEN	NONE	NONE
93051-4005	a b e f h k		OPEN	NONE	NONE
93051-4006	b c f g j k		OPEN	NONE	NONE
93051-4007	a d e f g h i l		OPEN	NONE	NONE

7 CIRCUIT					
MOLEX PART NO.	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE ①)	ENDWALLS	POLARIZING RB	COLOR STRIPE
93051-5001	NONE		OPEN	NONE	NONE
93051-5002	c d g h i j k		OPEN	NONE	NONE

SEE SHEET 1 ECN: E207-0280 ECN NO: 20070710 CHECKED BY: MCMAMARA APPROVED BY: BMAGUIRE DATE: 2010/03/30	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ±.05 ±.001 3 PLACES ±.05 ±.001 2 PLACES ±.10 ±.002 1 PLACE ±.02 ±.001 ANGULAR ±1/2°	DIMENSION STYLE MM ONLY DRAWN BY: ITOURISH DATE: 2007/07/09 CHECKED BY: MCMAMARA DATE: 2007/07/10 APPROVED BY: BMAGUIRE DATE: 2010/03/30	SCALE: 1:1 DESIGN UNITS: METRIC THIRD ANGLE PROJECTION	TITLE: APPLI-MATE 2.5 FEMALE G.W.T. 750 VERSION SMM PITCH MOLEX INCORPORATED
	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		MATERIAL NO: SD-93051-001 DOCUMENT NO: 2 OF 2 SHEET NO: 2 OF 2