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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

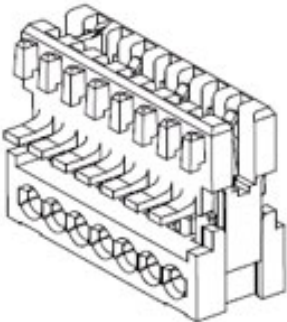
Physical

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



Series

image - Reference only

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

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

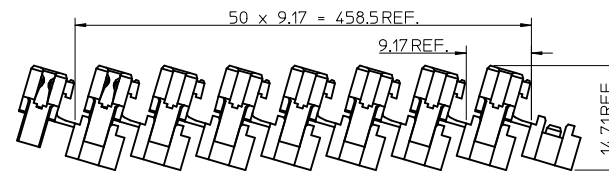
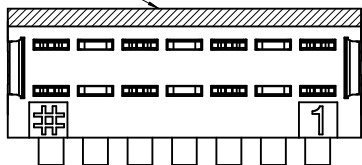
Application Specification	AS-99033-0008
Packaging Specification	PK-90871-001
Product Specification	PS-99020-0040
Sales Drawing	SD-93051-001

This document was generated on 05/28/2010

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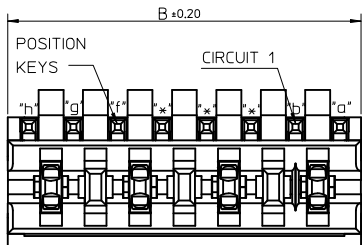
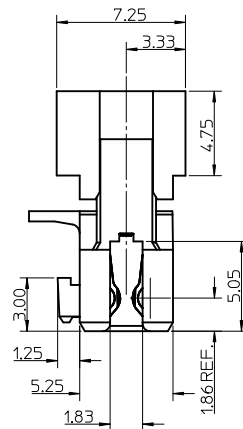
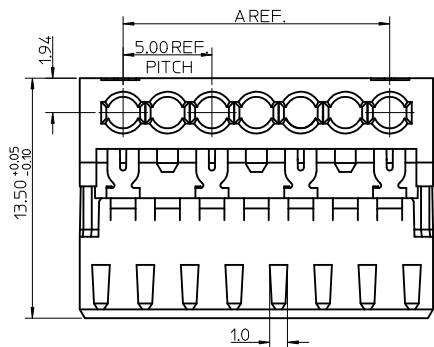
13 12 11 10 9 8 7 6 5 4 3 2 1

POSITION OF
COLOUR STRIPE
(see note 3)



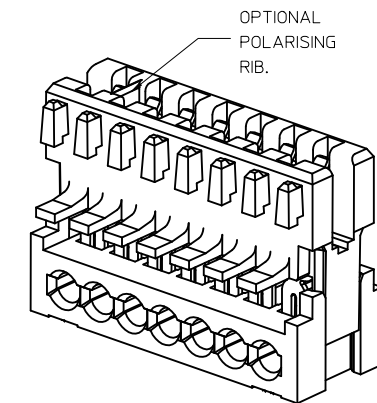
SHIPPING ARRANGEMENT
SCALE 2:1

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

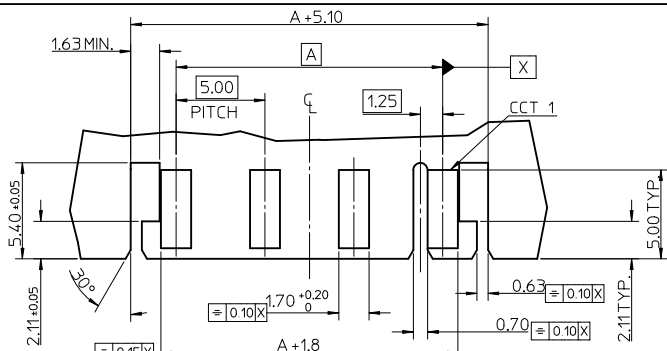


NOTES:

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

12 11 10 9 8 7 6 5 4 3 2 1

2 CIRCUIT					
MOLEX PART NO.	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE 1)	ENDWALLS	POLARIZING RIB	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 RIB	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 RIB	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 RIB POSITION

5 CIRCUIT					
MOLEX PART NO.	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE 1)	ENDWALLS	POLARIZING RIB	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 RIB	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 i k l		OPEN	NONE	NONE
93051-4005	a b e f h i 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 RIB	COLOR STRIPE
93051-5001	NONE		OPEN	NONE	NONE
93051-5002	c d g h i j k		OPEN	NONE	NONE

SEE SHEET 1 ECN: E209-0280 REV: 1 DATE: 2010/03/30 CHKD BY: J APPR: BMAGUIRE 2010/04/01	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) 4 PLACES ±.--- 3 PLACES ±0.05 2 PLACES ±0.10 1 PLACE ±0.2 ANGULAR ±1/2°	DIMENSION STYLE MM ONLY DRAWN BY: ITTOURISH DATE: 2007/07/09 CHECKED BY: NMCMAMARA 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 5MM PITCH
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHARTS		MATERIAL NO. SD-93051-001	
	INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		MOLEX INCORPORATED		SHEET NO. 2 OF 2	
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