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Part Number: [0930700001](#)
Status: **Active**
Overview: [rast_25_connector_system](#)
Description: 2.50mm (.098") Pitch Appli-Mate RAST 2.5 Header, Vertical, 3 Circuits, Glow Wire Compatible, with Latch, Positioning Keys None

Documents:

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

Agency Certification

UL E29179

General

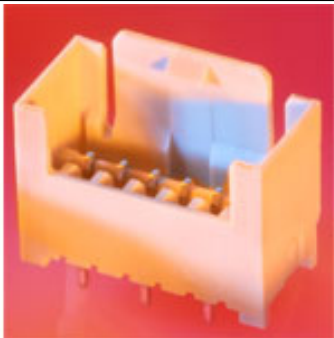
Product Family PCB Headers
Series [93070](#)
Application Wire-to-Board
Overview [rast_25_connector_system](#)
Product Name RAST 2.5

Physical

Breakaway No
Circuits (Loaded) 3
Circuits Detail 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 None
Lock to Mating Part Yes
Material - Metal Brass
Material - Plating Mating Tin
Material - Plating Termination Tin
Material - Resin Nylon
Number of Rows 1
Orientation Vertical
PC Tail Length (in) 0.130 In
PC Tail Length (mm) 3.30 mm
PCB Locator Yes
PCB Retention None
PCB Thickness Recommended (in) 0.059 In
PCB Thickness Recommended (mm) 1.50 mm
Packaging Type Carton
Pitch - Mating Interface (in) 0.098 In
Pitch - Mating Interface (mm) 2.50 mm
Polarized to PCB Yes
Stackable No
Surface Mount Compatible (SMC) No
Temperature Range - Operating -20C TO +120C
Termination Interface: Style Through Hole

Electrical

Current - Maximum per Contact 6A
Voltage - Maximum 32V



Series

image - Reference only

EU RoHS

**ELV and RoHS
Compliant**
**REACH SVHC
Not Reviewed**
**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
[93070Series](#)

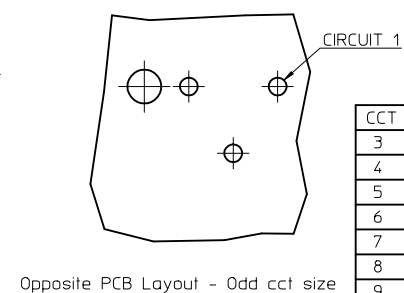
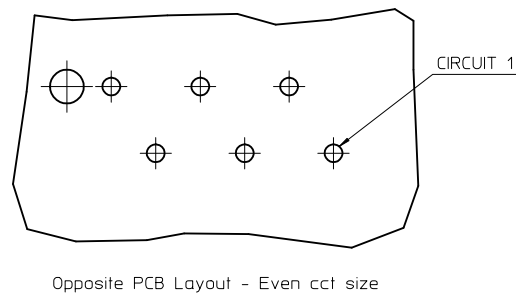
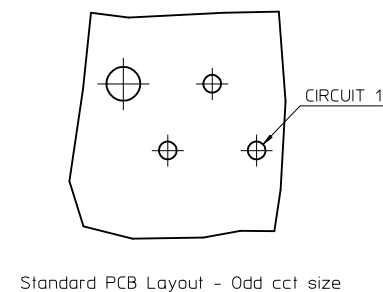
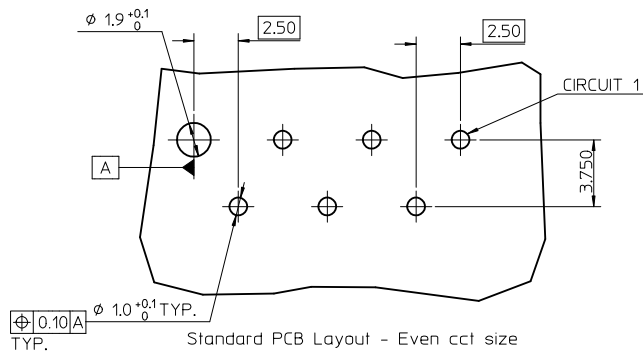
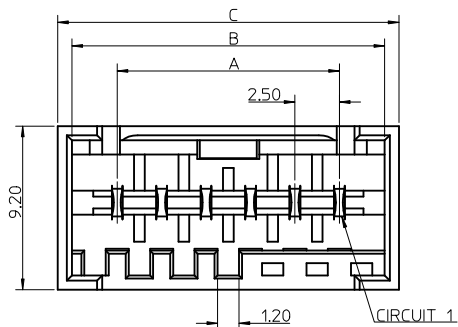
Material Info

Reference - Drawing Numbers

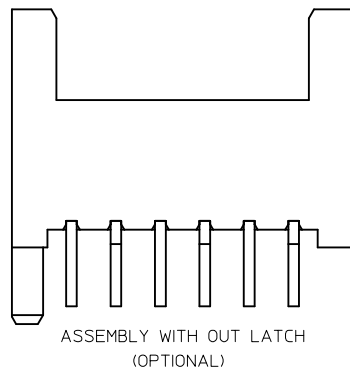
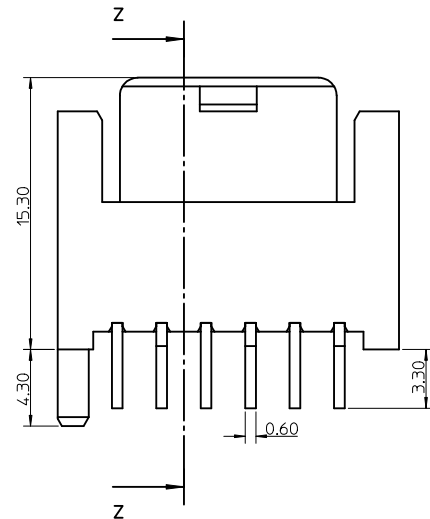
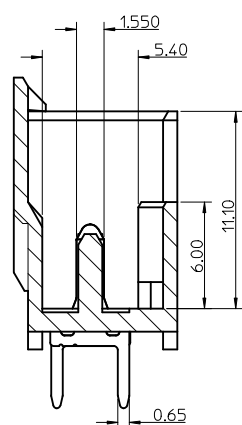
Packaging Specification	PK-93070-001
Sales Drawing	SD-93070-001

This document was generated on 06/08/2010

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CCT	A	B	C
3	5.00	10.10	11.70
4	7.50	12.60	14.20
5	10.00	15.10	16.70
6	12.50	17.60	19.20
7	15.00	20.10	21.70
8	17.50	22.60	24.20
9	20.00	25.10	26.70
10	22.50	27.60	29.20
11	25.00	30.10	31.70
12	27.50	32.60	34.20
13	30.00	35.10	36.70
14	32.50	37.60	39.20
15	35.00	40.10	41.70



NOTES:

1. MATERIAL: HOUSING - PA66 25% G/F, UL94 V-0
COLOUR: NATURAL
TERMINAL - BRASS
PLATING - 3-7um Sn over 1.27um Min Ni
2. PARTS PACKED AS PER PK-90370-001
3. PRODUCT SPECIFICATION: PS-93070-001
4. RECOMMENDED PCB THICKNESS: 1.5+/-0.14mm

ADDED NEW P/N'S EC NO: E2010-0255 M		2010/01/13 DRWN:TTORISH CHKO:BRITTLE 2010/01/19 APPR:BMAGUIRE		2010/01/19		DESCRIPTION REV		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY				SCALE 5:1		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
								▼=0 ▽=0		mm INCH		DRAWN BY DATE		TITLE		MOLEX MOLEX INCORPORATED							
M		DRWN:TTORISH CHKO:BRITTLE 2010/01/19 APPR:BMAGUIRE		2010/01/19		DESCRIPTION REV		4 PLACES ± --- ± ---		TOURISH 2008/03/14		RAST 2.5 APPLI-MATE VERTICAL MALE HEADER 2.5 PITCH MOLEX MOLEX INCORPORATED SD-93070-001 SHEET NO. 1 OF 3											
								3 PLACES ± 0.05 ± ---		CHECKED BY DATE													
								2 PLACES ± 0.10 ± ---		BRITTLE 2008/03/14													
								1 PLACE ± 0.20 ± ---		APPROVED BY DATE													
								ANGULAR ± 2 °		BMAGUIRE 2008/03/14													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								MATERIAL NO.		DOCUMENT NO.		SEE SHEET 2&3		SD-93070-001		SHEET NO. 1 OF 3							
								SIZE A2		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													

3 CIRCUIT

MOLEX PART NO.	BLOCKED POSITION KEYS	TERMINAL VOID POSITION	CONFIGURATION	LATCH	CCT 1 LOCATION
93070-0001	NONE	NONE		YES	STANDARD
93070-0002	b d	NONE		YES	STANDARD
93070-0003	b c	NONE		YES	STANDARD
93070-0004	d	NONE		YES	STANDARD
93070-0005	a	NONE		YES	STANDARD
93070-0006	a b	NONE		YES	STANDARD
93070-0007	a c	NONE		YES	STANDARD
93070-0008	a d	NONE		YES	STANDARD
93070-0009	c d	NONE		YES	STANDARD
93070-0010	b	NONE		YES	STANDARD

4 CIRCUIT

MOLEX PART NO.	BLOCKED POSITION KEYS	TERMINAL VOID POSITION	CONFIGURATION	LATCH	CCT 1 LOCATION
93070-0501	NONE	NONE		YES	STANDARD
93070-0502	b c	NONE		YES	STANDARD
93070-0503	b c	CCT 4		YES	STANDARD
93070-0504	c d	NONE		YES	STANDARD
93070-0505	NONE	CCT 1		YES	STANDARD
93070-0601	b c	NONE		YES	OPPOSITE
93070-0506	b	NONE		YES	STANDARD
93070-0507	c	NONE		YES	STANDARD
93070-0508	d	NONE		YES	STANDARD
93070-0509	a c d	NONE		YES	STANDARD
93070-0510	b c d	NONE		YES	STANDARD

6 CIRCUIT

MOLEX PART NO.	BLOCKED POSITION KEYS	TERMINAL VOID POSITION	CONFIGURATION	LATCH	CCT 1 LOCATION
93070-1501	NONE	NONE		YES	STANDARD
93070-1502	d f	CCT 2, 5		YES	STANDARD
93070-1503	c e	NONE		YES	STANDARD
93070-1505	d f	NONE		YES	STANDARD
93070-1506	b d f	CCT 4, 5		YES	STANDARD
93070-1507	NONE	CCT 2		YES	STANDARD
93070-1508	c f	CCT 2		YES	STANDARD
93070-1509	d	NONE		YES	STANDARD
93070-1510	a b c e f	NONE		YES	STANDARD
93070-1511	e f	NONE		YES	STANDARD

5 CIRCUIT

MOLEX PART NO.	BLOCKED POSITION KEYS	TERMINAL VOID POSITION	CONFIGURATION	LATCH	CCT 1 LOCATION
93070-1001	NONE	NONE		YES	STANDARD
93070-1002	c d	NONE		YES	STANDARD
93070-1003	a d f	NONE		YES	STANDARD
93070-1101	NONE	NONE		YES	OPPOSITE
93070-1004	d	NONE		YES	STANDARD
93070-1005	a b e f	NONE		YES	STANDARD
93070-1006	b c d e	NONE		YES	STANDARD

NOTES:
1. + DENOTES TERMINAL VOIDED POSITION
⊕ DENOTES TERMINAL LOADED POSITION

SEE SHEET 1 ELEC NO: E2070-0255 DRAWN BY: ITTOURISH CHKD BY: BRUTTLE APPROV BY: BMAGUIRE 2010/01/13 2010/01/19 2010/01/19	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± 0.05 ± --- 2 PLACES ± 0.10 ± --- 1 PLACE ± 0.20 ± --- ANGULAR ± 2 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY	SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
			DRAWN BY ITTOURISH DATE 2008/03/14	CHECKED BY BRUTTLE DATE 2008/03/14	APPROVED BY BMAGUIRE DATE 2008/03/14	TITLE RAST 2.5 APPLI-MATE VERTICAL MALE HEADER 2.5 PITCH	
			MATERIAL NO.			DOCUMENT NO. SD-93070-001	
			SIZE A1			SHEET NO. 2 OF 3	

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7 CIRCUIT

MOLEX PART NO.	BLOCKED POSITION KEYS	TERMINAL VOID POSITION	CONFIGURATION	LATCH	CCT 1 LOCATION
93070-2001	NONE	NONE		YES	STANDARD
93070-2002	a f	CCT 2, 6		YES	STANDARD
93070-2003	d g	CCT 4		YES	STANDARD
93070-2004	a e	CCT 4		YES	STANDARD
93070-2005	d f g	CCT 4		YES	STANDARD
93070-2006	a f	CCT 4		YES	STANDARD
93070-2007	a	NONE		YES	STANDARD
93070-2008	NONE	CCT 2		YES	STANDARD
93070-2009	a	CCT 4		YES	STANDARD
93070-2010	h	CCT 2		YES	STANDARD
93070-2011	b e g	NONE		YES	STANDARD

8 CIRCUIT

MOLEX PART NO.	BLOCKED POSITION KEYS	TERMINAL VOID POSITION	CONFIGURATION	LATCH	CCT 1 LOCATION
93070-2501	NONE	NONE		YES	STANDARD
93070-2502	c f h i	NONE		YES	STANDARD
93070-2503	b c d h i	CCT 4, 7		YES	STANDARD
93070-2601	NONE	CCT 4, 7		YES	OPPOSITE
93070-2504	b c d h i	NONE		YES	STANDARD

9 CIRCUIT

MOLEX PART NO.	BLOCKED POSITION KEYS	TERMINAL VOID POSITION	CONFIGURATION	LATCH	CCT 1 LOCATION
93070-3001	NONE	NONE		YES	STANDARD
93070-3002	ALL	CCT 2, 5, 8		YES	STANDARD
93070-3101	NONE	CCT 3, 5, 8		YES	OPPOSITE
93070-3003	c d e i j	CCT 3, 5, 8		YES	STANDARD
93070-3004	NONE	CCT 2, 5, 8		YES	STANDARD

10 CIRCUIT

MOLEX PART NO.	BLOCKED POSITION KEYS	TERMINAL VOID POSITION	CONFIGURATION	LATCH	CCT 1 LOCATION
93070-3501	NONE	NONE		YES	STANDARD
93070-3502	NONE	CCT 2, 5, 7, 9		YES	STANDARD
93070-3503	a b d e f g i j	NONE		YES	STANDARD

11 CIRCUIT

MOLEX PART NO.	BLOCKED POSITION KEYS	TERMINAL VOID POSITION	CONFIGURATION	LATCH	CCT 1 LOCATION
93070-4001	NONE	NONE		YES	STANDARD

12 CIRCUIT

MOLEX PART NO.	BLOCKED POSITION KEYS	TERMINAL VOID POSITION	CONFIGURATION	LATCH	CCT 1 LOCATION
93070-4501	NONE	NONE		YES	STANDARD
93070-4502	NONE	CCT 2, 5, 8, 11		YES	STANDARD

13 CIRCUIT

MOLEX PART NO.	BLOCKED POSITION KEYS	TERMINAL VOID POSITION	CONFIGURATION	LATCH	CCT 1 LOCATION
93070-5001	NONE	NONE		YES	STANDARD
93070-5002	NONE	CCT 4, 6, 8, 10, 12		YES	STANDARD

14 CIRCUIT

MOLEX PART NO.	BLOCKED POSITION KEYS	TERMINAL VOID POSITION	CONFIGURATION	LATCH	CCT 1 LOCATION
93070-5501	NONE	NONE		YES	STANDARD

15 CIRCUIT

MOLEX PART NO.	BLOCKED POSITION KEYS	TERMINAL VOID POSITION	CONFIGURATION	LATCH	CCT 1 LOCATION
93070-6001	NONE	NONE		YES	STANDARD
93070-6002	o p	CCT 4, 6, 8, 10, 12, 14		YES	STANDARD
93070-6003	a d g i j n o p	NONE		YES	STANDARD

NOTES:
1. + DENOTES TERMINAL VOIDED POSITION
● DENOTES TERMINAL LOADED POSITION

SEE SHEET 1

EC NO: E2010-0255

DRWN:ITOURISH

CHKD:BRITTLE

APPR:BMAGUIRE

2010/01/13

2010/01/19

2010/01/19

DESCRIPTION

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)
4 PLACES ± --- ± ---
3 PLACES ± 0.05 ± ---
2 PLACES ± 0.10 ± ---
1 PLACE ± 0.20 ± ---
ANGULAR ± 2°
DRAFT WHERE APPLICABLE
MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY
DRAWN BY
ITOURISH
DATE
2008/03/14
CHECKED BY
BRITTLE
DATE
2008/03/14
APPROVED BY
BMAGUIRE
DATE
2008/03/14
MATERIAL NO.
SEE CHARTS
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SCALE
1:1
DESIGN UNITS
METRIC
THIRD ANGLE PROJECTION
RAST 2.5 APPLI-MATE
VERTICAL MALE HEADER
2.5 PITCH
MOLEX INCORPORATED
DOCUMENT NO.
SD-93070-001
SHEET NO.
3 OF 3