

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0930701002

Status:

Active

Overview:

[rast_25_connector_system](#)

Description:

2.50mm (.098") Pitch Appli-Mate RAST 2.5 Header, Vertical, 5 Circuits, Glow Wire Compatible, with Latch, Positioning Keys C & D

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

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)

5

Circuits Detail

5

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

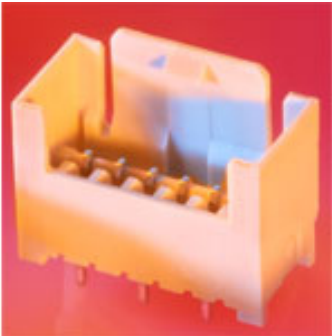


image - Reference only

Series

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

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

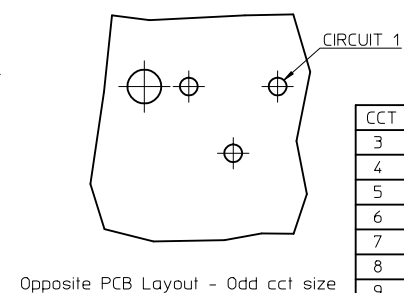
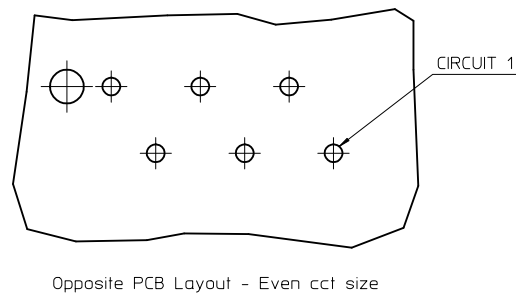
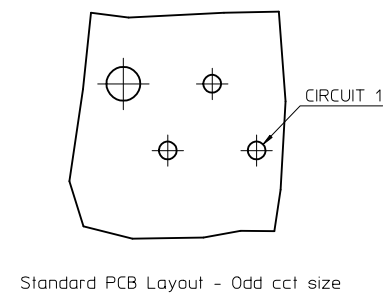
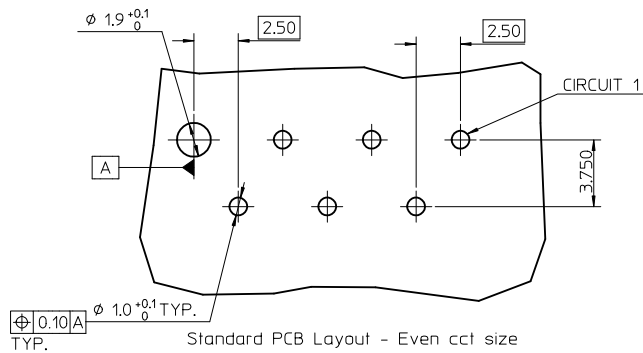
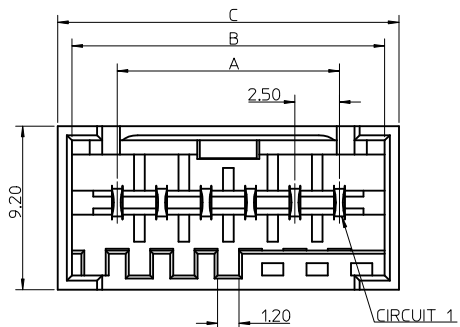
Material Info

Reference - Drawing Numbers

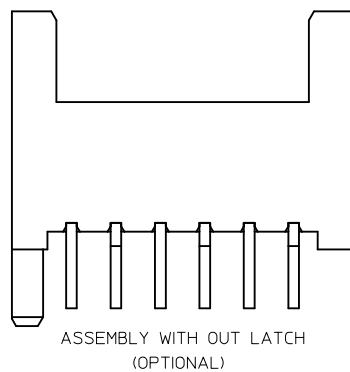
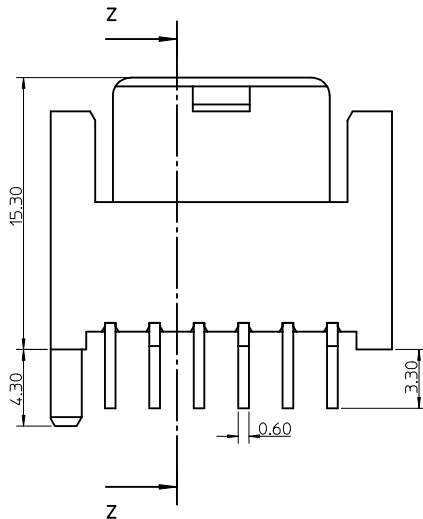
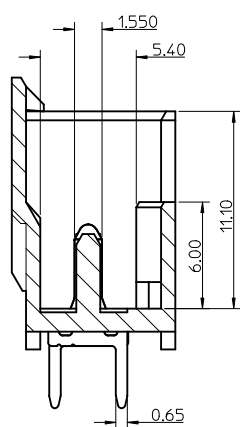
Packaging Specification	PK-93070-001
Sales Drawing	SD-93070-001

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

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.	SHEET NO.
			SEE CHARTS			SD-93070-001	2 OF 3

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20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
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 DATE
ITOURISH 2008/03/14
CHECKED BY DATE
BRITTLE 2008/03/14
APPROVED BY DATE
BMAGUIRE 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