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Part Number: 0930703003
Status: Active
Overview: rast_25_connector_system
Description: 2.50mm (.098") Pitch Appli-Mate RAST 2.5 Header, Vertical, 9 Circuits, Glow Wire Compatible, with Latch, Positioning Keys C, D, E, L, & J, Voided Circuits 3, 5 & 8

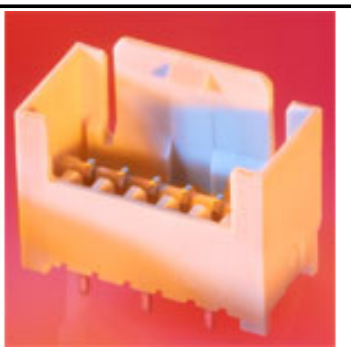

image - Reference only

Series

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)	9
Circuits Detail	9
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

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

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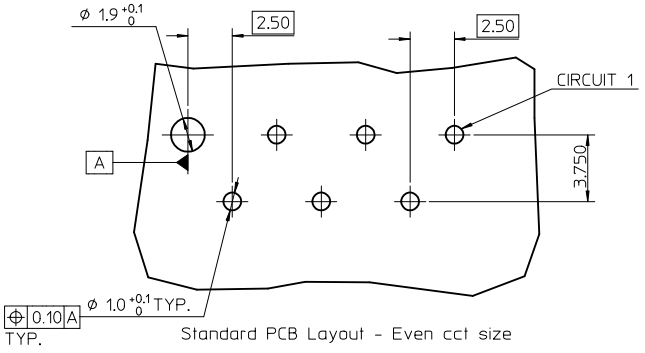
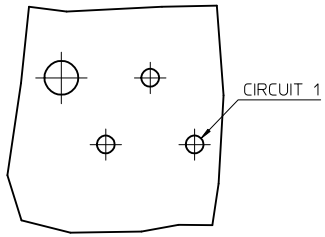
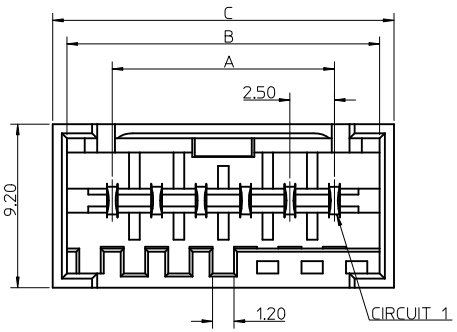
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

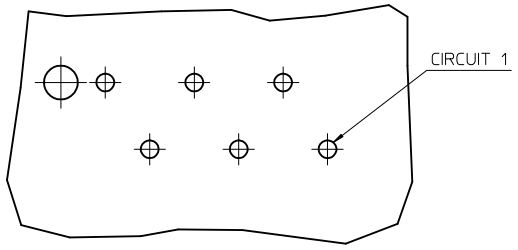


Standard PCB Layout - Even cct size

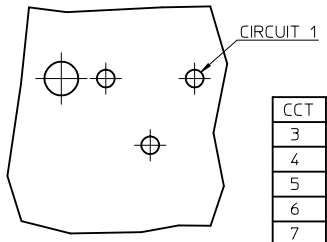


Standard PCB Layout - Odd cct size



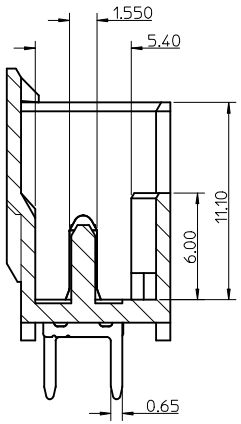


Opposite PCB Layout - Even cct size

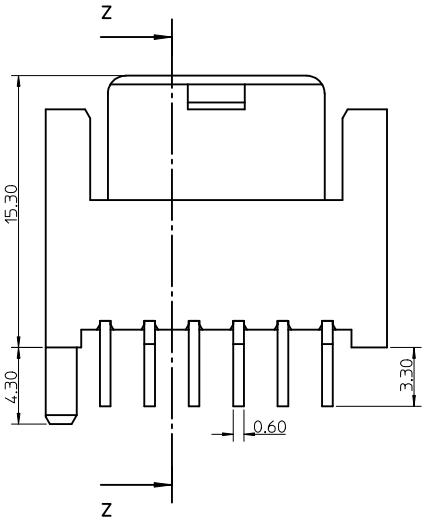


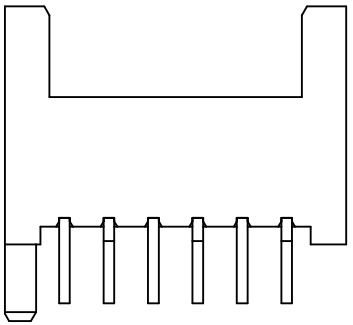
Opposite PCB Layout - Odd cct size

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



Z-Z





ASSEMBLY WITH OUT LATCH
(OPTIONAL)

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

REV	DESCRIPTION	
E	ADDED NEW P/N'S	2010/01/19
	EC NO: E2010-0255	2010/01/13
	DRWN:TTOURISH	
	CHKD:BRUTTLE	
	APPR:BMAGUIRE	

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	5:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	TTOURISH
DATE	2008/03/14
CHECKED BY	BRUTTLE
DATE	2008/03/14
APPROVED BY	BMAGUIRE
DATE	2008/03/14
MATERIAL NO.	SEE SHEET 2&3
DOCUMENT NO.	SD-93070-001
SHEET NO.	1 OF 3
SIZE	A2

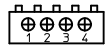
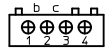
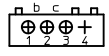
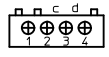
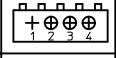
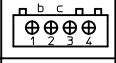
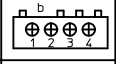
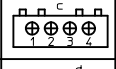
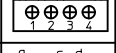
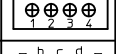
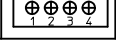
TITLE: RAST 2.5 APPLI-MATE VERTICAL MALE HEADER 2.5 PITCH

MOLEX INCORPORATED

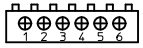
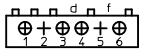
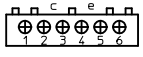
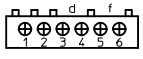
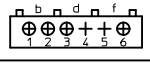
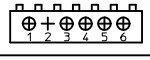
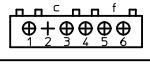
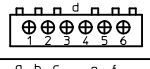
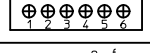
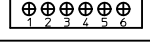
3 CIRCUIT

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

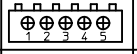
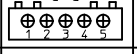
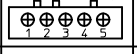
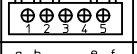
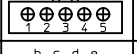
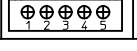
4 CIRCUIT

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
EC NO: E2010-0255
DRWN:TTOURISH 2010/01/13
CHKD:BRUTTLE 2010/01/19
APPR:BMAGUIRE 2010/01/19
DESCRIPTION
REV

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: TTOURISH 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

MOLEX INCORPORATED

MATERIAL NO.: SEE CHARTS
DOCUMENT NO.: SD-93070-001
SHEET NO.: 2 OF 3
SIZE: A1

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 2010/01/13
DRWN:TTOURISH 2010/01/19
CHKD:BRUTTLE
APPR:BMAGUIRE
REV | DESCRIPTION

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: TTOURISH 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

MOLEX INCORPORATED

MATERIAL NO.: SEE CHARTS
DOCUMENT NO.: SD-93070-001
SHEET NO.: 3 OF 3
SIZE: A1