

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0930504003

Status:

Active

Overview:

[rast_25_connector_system](#)

Description:

2.50mm (.098") Pitch Appli-Mate RAST 2.5 Female Connector, Glow Wire Compliant, 11 Circuits, Natural, Open Endwalls, Position Removed B, C, D, G, H, I, J & K

Documents:

[Drawing \(PDF\)](#)

[Product Specification PS-99020-0040 \(PDF\)](#)

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

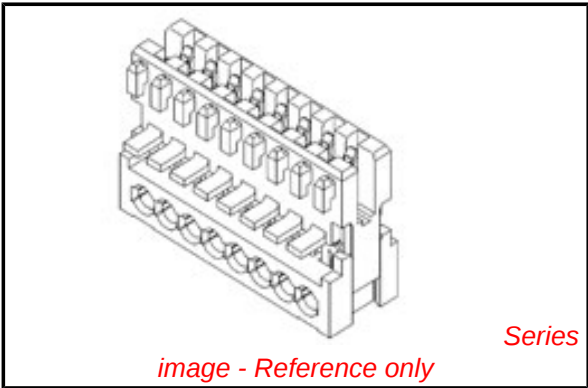
Agency Certification	
CSA	LR19980
UL	E29179
General	
Product Family	IDT and Solder Connectors
Series	93050
Crimp Quality Equipment	Yes
Overview	rast_25_connector_system
Product Name	RAST 2.5

Physical	
Circuits (Loaded)	11
Circuits (maximum)	11
Color - Resin	Natural
Durability (mating cycles max)	10
Flammability	94V-2
Gender	Female
Glow-Wire Compliant	Yes
Lock to Mating Part	None
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)	0.098 In
Pitch - Mating Interface (mm)	2.50 mm
Pitch - Term. Interface (in)	0.098 In
Pitch - Term. Interface (mm)	2.50 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	-20°C to +60°C
Wire Size AWG	N/A

Electrical	
Current - Maximum per Contact	2A
Voltage - Maximum	32V AC

Material Info

Reference - Drawing Numbers	
Application Specification	AS-99033-0008



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

93050Series

Mates With

Appli-Mate RAST 2.5 Header [93070](#)

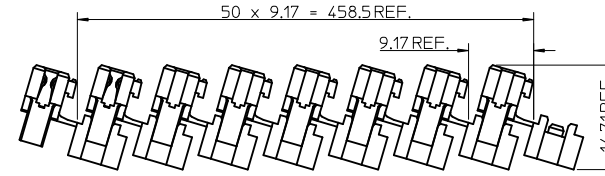
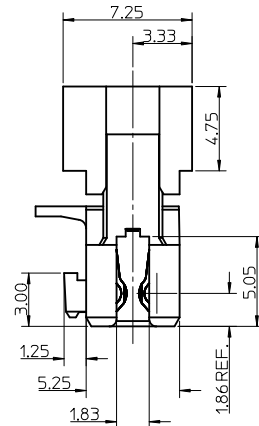
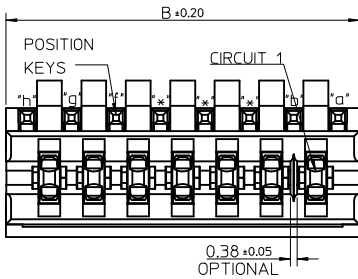
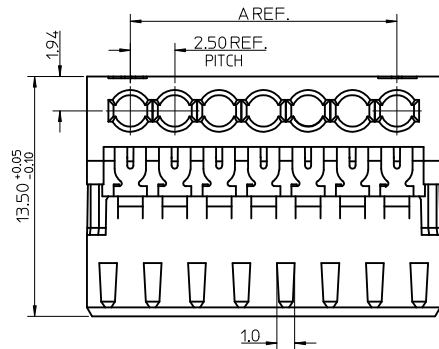
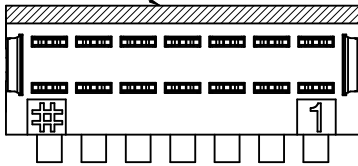
Packaging Specification
Product Specification
Sales Drawing

PK-90871-001
PS-99020-0040
SD-93050-001

This document was generated on 06/07/2010

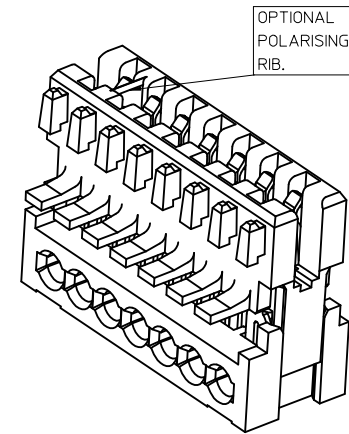
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POSITION OF
COLOUR STRIPE
(see note 3)



SHIPPING ARRANGEMENT
SCALE 2:1

CCT	"A"	"B"
3	5.0	9.875
4	7.5	12.375
5	10.0	14.875
6	12.5	17.375
7	15.0	19.875
8	17.5	22.375
9	20.0	24.875
10	22.5	27.375
11	25.0	29.875
12	27.5	32.375
13	30.0	34.875



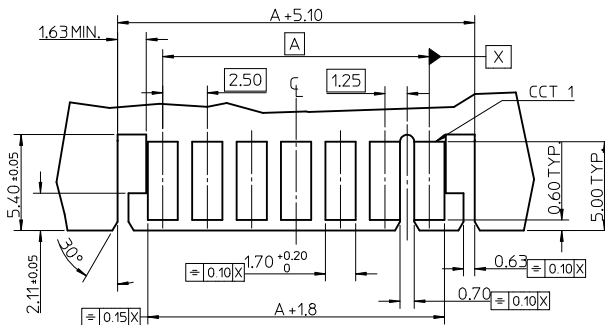
OPTIONAL
POLARISING
RIB.

OPEN END WALL OPTION

NOTES:

1. REFER TO PRODUCT SPECIFICATION: PS-99020-0040.
2. MATERIAL: HOUSING - POLYESTER (PBT)
UL94-V2. COLOUR NATURAL.
3. COLOUR STRIPE IS OPTIONAL. AVAILABLE IN THE FOLLOWING
COLOURS: RED, GREEN, BLUE.
(BLACK SIGNIFIES CUSTOMER SPECIFIC CONFIGURATION).
4. REFER TO PACKAGING SPEC (PK-90871-001)
5. REFER TO APPLICATION SPEC (AS-99033-0008)
6. FOR CIRCUIT SIZES LARGER THAN 13CCT - CONTACT ENG. DEPT.

TERMINAL: PHOSPHOR BRONZE 0.30 REF. THICK - PLATING
HOT TIN DIP.



- PCB LAYOUT FOR 7CCT CONNECTOR
(WITH OPTIONAL POSITIONAL RIB SLOT BETWEEN CCT 1 & 2)
- RECOMMENDED PCB THICKNESS 1.5±0.14

ADDED NEW P/N'S EC NO: E2010-0339 DRAWN BY: BMAGUIRE 2010/03/30 CHKD: NMCNAMARA 2007/07/09 APPR: BMAGUIRE 2010/05/05	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
			mm	INCH	DRAWN BY TTOURISH	DATE 2007/07/07	TITLE APPLI-MATE 2.5 FEMALE G.W.T. 750 VERSION					
			4 PLACES	± .005	± .005	CHECKED BY NMCNAMARA						DATE 2007/07/09
			3 PLACES	± 0.05	± .005	APPROVED BY BMAGUIRE	DATE 2007/07/09	MOLEX INCORPORATED				
			2 PLACES	± 0.10	± .005	MATERIAL NO. SD-93050-001						
1 PLACE	± 0.2	± .005	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHARTS		SD-93050-001					
REV					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.	TERMINAL VOID POSITION	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE 1)	ENDWALLS	POLARIZING RIB	COLOUR STRIPE
93050-0001	NONE	NONE		OPEN	NONE	NONE
93050-0003	NONE	b d		OPEN	NONE	NONE
93050-0005	NONE	b		OPEN	NONE	NONE
93050-0006	NONE	d		OPEN	NONE	NONE
93050-0007	NONE	a c		OPEN	NONE	NONE
93050-0008	NONE	a b		OPEN	NONE	NONE
93050-0009	NONE	c d		OPEN	NONE	NONE
93050-0012	NONE	b c		OPEN	BETWEEN CCT 1&2	NONE
93050-0013	NONE	a		OPEN	BETWEEN CCT 1&2	NONE
93050-0014	NONE	c		OPEN	BETWEEN CCT 2&3	BLUE
93050-0016	NONE	NONE		OPEN	BETWEEN CCT 1&2	NONE
93050-0017	NONE	NONE		OPEN	BETWEEN CCT 2&3	NONE
93050-0018	NONE	a b c		OPEN	NONE	NONE
93050-0019	NONE	c		OPEN	NONE	NONE
93050-0020	NONE	a d		OPEN	NONE	NONE
93050-0021	NONE	NONE		OPEN	NONE	BLUE
93050-0022	NONE	NONE		OPEN	BETWEEN CCT 1&2	BLUE
93050-0023	NONE	b c		OPEN	NONE	NONE
93050-0024	NONE	a		OPEN	NONE	NONE

4 CIRCUIT						
MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE 1)	ENDWALLS	POLARIZING RIB	COLOUR STRIPE
93050-0501	NONE	NONE		OPEN	NONE	NONE
93050-0502	NONE	a b d e		OPEN	BETWEEN CKT 1&2	NONE
93050-0503	NONE	ALL		OPEN	BETWEEN CKT 3&4	NONE
93050-0504	NONE	ALL		OPEN	BETWEEN CKT 3&4	BLUE
93050-0505	NONE	c e		OPEN	NONE	NONE
93050-0506	NONE	b c		OPEN	NONE	NONE
93050-0507	NONE	NONE		OPEN	BETWEEN CKT 2&3	NONE
93050-0508	NONE	a d e		OPEN	NONE	NONE
93050-0509	NONE	a c		OPEN	NONE	NONE
93050-0751	NONE	b e		1st CLOSED LAST OPEN	NONE	NONE
93050-0510	NONE	b d		OPEN	NONE	NONE
93050-0511	NONE	b e		OPEN	NONE	NONE
93050-0512	NONE	NONE		OPEN	NONE	BLUE

5 CIRCUIT						
MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE 1)	ENDWALLS	POLARIZING RIB	COLOUR STRIPE
93050-1001	NONE	NONE		OPEN	NONE	NONE
93050-1002	NONE	c d e		OPEN	NONE	NONE
93050-1003	NONE	NONE		OPEN	BETWEEN CKT 2&3	NONE
93050-1004	NONE	c d		OPEN	NONE	NONE
93050-1005	CCT 2, 3, 4	e		OPEN	NONE	NONE

6 CIRCUIT						
MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE 1)	ENDWALLS	POLARIZING RIB	COLOUR STRIPE
93050-1501	NONE	NONE		OPEN	NONE	NONE
93050-1502	CCT 2, 4	NONE		OPEN	NONE	NONE
93050-1503	NONE	a d e f		OPEN	NONE	NONE
93050-1504	CCT 2, 5	b c d e g		OPEN	NONE	NONE
93050-1505	NONE	b d e g		OPEN	NONE	NONE
93050-1506	NONE	g		OPEN	NONE	NONE
93050-1507	NONE	b c d g		OPEN	NONE	NONE
93050-1508	NONE	b c e		OPEN	NONE	NONE
93050-1509	NONE	b c d e f		OPEN	NONE	NONE
93050-1510	CCT 3,5	NONE		OPEN	NONE	NONE
93050-1513	CCT 2,4	b c e		OPEN	BETWEEN 4&5	NONE

7 CIRCUIT						
MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE 1)	ENDWALLS	POLARIZING RIB	COLOUR STRIPE
93050-2001	NONE	NONE		OPEN	NONE	NONE
93050-2002	cct 2, 3, 5	c d f h		OPEN	NONE	NONE
93050-2003	NONE	a c d e f g		OPEN	NONE	NONE
93050-2004	NONE	b c f h		OPEN	NONE	NONE
93050-2005	NONE	b c d e f		OPEN	NONE	NONE
93050-2009	NONE	NONE		OPEN	BETWEEN 6&7	NONE

NOTES

1. + DENOTES TERMINAL VOIDED POSITION
● DENOTES TERMINAL LOADED POSITION
| DENOTES POLARIZING RIB POSITION

SEE SHEET 1 ECC NO: E2010-0339 DRAWN BY: CHYKONAMARA CHECKED BY: CHYKONAMARA APPROVED BY: BMAGUIRE 2010/03/30 2007/07/09 2010/05/05	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE APPLI-MATE 2.5 FEMALE G.W.T. 750 VERSION				
		mm	INCH	DRAWN BY TTOURISH	DATE 2007/07/07	SHEET NO. 2 OF 3							
		4 PLACES ±.---	±.---	CHECKED BY NMCNAMARA	DATE 2007/07/09	MOLEX INCORPORATED							
		3 PLACES ±0.05	±.---	APPROVED BY BMAGUIRE	DATE 2007/07/09	DOCUMENT NO. SD-93050-001							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A1		SEE CHART		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

8 CIRCUIT						
MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE 1)	ENDWALLS	POLARIZING RIB	COLOUR STRIPE
93050-2501	NONE	NONE		OPEN	NONE	NONE
93050-2502	CCT 2, 5, 7	b c d f g h i		OPEN	NONE	NONE
93050-2503	NONE	c f h i		OPEN	NONE	NONE
93050-2504	NONE	NONE		OPEN	BETWEEN CKT 6&7	BLUE
93050-2505	NONE	NONE		OPEN	BETWEEN CKT 7&8	BLUE
93050-2506	NONE	b c d g h i		OPEN	NONE	NONE
93050-2507	NONE	NONE		OPEN	BETWEEN CKT 7&8	NONE
93050-2508	NONE	NONE		OPEN	BETWEEN CKT 6&7	NONE

9 CIRCUIT						
MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE 1)	ENDWALLS	POLARIZING RIB	COLOUR STRIPE
93050-3001	NONE	NONE		OPEN	NONE	NONE
93050-3002	CCT 3, 5, 8	b c d e f g h i		OPEN	NONE	NONE
93050-3003	NONE	NONE		OPEN	BETWEEN CKT 8&9	NONE

10 CIRCUIT						
MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE 1)	ENDWALLS	POLARIZING RIB	COLOUR STRIPE
93050-3501	NONE	NONE		OPEN	NONE	NONE
93050-3502	NONE	NONE		OPEN	BETWEEN CCT 1&2	NONE
93050-3503	CCT 2, 9	NONE		OPEN	NONE	BLUE

11 CIRCUIT						
MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE 1)	ENDWALLS	POLARIZING RIB	COLOUR STRIPE
93050-4001	NONE	NONE		OPEN	NONE	NONE
93050-4002	NONE	b c d e f g h i j k		OPEN	BETWEEN CCT 9&10	BLUE
93050-4003	NONE	b c d g h i j k		OPEN	NONE	NONE

12 CIRCUIT						
MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE 1)	ENDWALLS	POLARIZING RIB	COLOUR STRIPE
93050-4501	NONE	NONE		OPEN	NONE	NONE

13 CIRCUIT						
MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE 1)	ENDWALLS	POLARIZING RIB	COLOUR STRIPE
93050-5001	NONE	NONE		OPEN	NONE	NONE

SEE SHEET 1 SEC NO: E2010-0339 DRAWN BY: BMAGUIRE CHKD BY: NMCNAMARA APPR BY: BMAGUIRE 2010/03/30 2007/07/09 2010/05/05	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE APPLI-MATE 2.5 FEMALE G.W.T. 750 VERSION
			mm	INCH	DRAWN BY TTOURISH	DATE 2007/07/07	TITLE			
			4 PLACES ±	---	CHECKED BY NMCNAMARA	DATE 2007/07/09	APPLI-MATE 2.5 FEMALE G.W.T. 750 VERSION			
			3 PLACES ±	0.05						
			2 PLACES ±	0.10						
			1 PLACE ±	0.2						
			ANGULAR ± 1/2°		APPROVED BY BMAGUIRE	DATE 2007/07/09	 MOLEX INCORPORATED			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.	SHEET NO.					
		SEE CHARTS		SD-93050-001		3 OF 3				
SIZE 1 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										