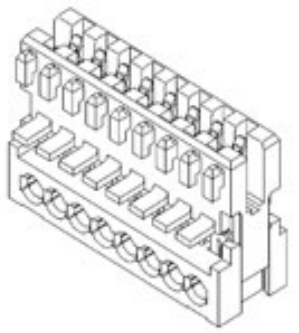
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Part Number: 0930505001
Status: Active
Overview: rast_25_connector_system
Description: 2.50mm (.098") Pitch Appli-Mate RAST 2.5 Female Connector, Glow Wire Compliant, 13 Circuits, Natural, Open Endwalls

Documents:
Drawing (PDF)
RoHS Certificate of Compliance (PDF)
Product Specification PS-99020-0040 (PDF)



Series image - Reference only

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
Use With	RAST standard interface

Physical

Circuits (Loaded)	13
Circuits (maximum)	13
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
Stackable	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

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

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

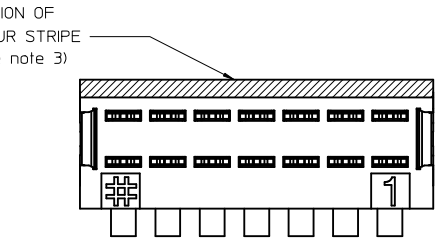
Description	Product #
RAST 2.5 Semi-Automatic Terminator Machine For Appli-Mate™ Connectors	0623006200

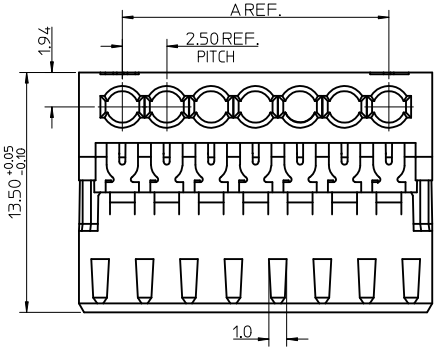
Reference - Drawing Numbers

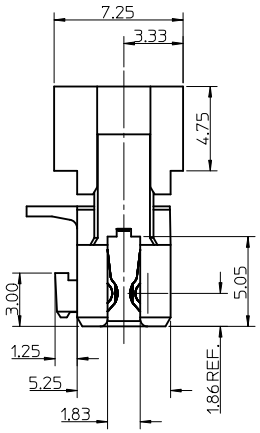
Application Specification	AS-99033-0008
Packaging Specification	PK-90871-001
Product Specification	PS-99020-0040
Sales Drawing	SD-93050-001

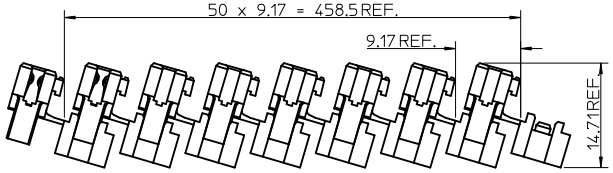
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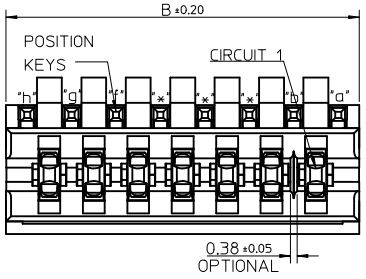


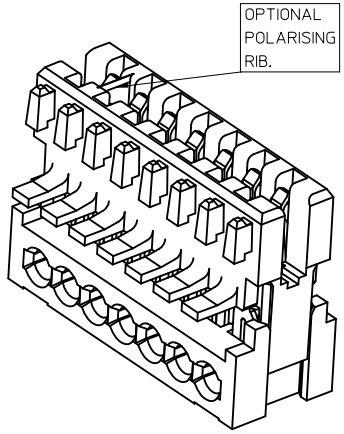




SHIPPING ARRANGEMENT
SCALE 2:1

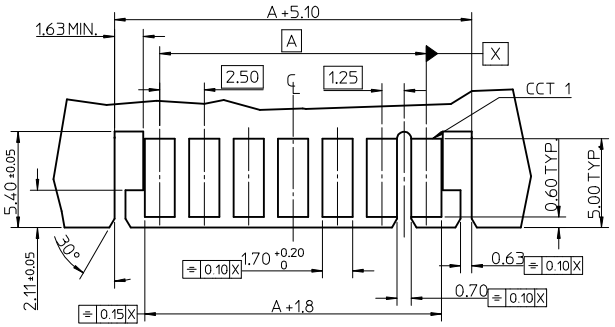
CCT	"A"	"B"
3	5.0	9.875
4	7.5	12.375
5	10.0	14.875
6	12.5	17.375
7	15.0	19.875
8	17.5	22.375
9	20.0	24.875
10	22.5	27.375
11	25.0	29.875
12	27.5	32.375
13	30.0	34.875





OPEN END WALL OPTION

NOTES:
1. REFER TO PRODUCT SPECIFICATION: PS-99020-0040.
2. MATERIAL: HOUSING - POLYESTER (PBT)
   UL94-V2. COLOUR NATURAL.
   TERMINAL: PHOSPHOR BRONZE 0.30 REF. THICK - PLATING
   HOT TIN DIP.
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.



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

REV	DESCRIPTION
P	ADDED NEW P/N'S EC NO: E20110-0339 DRWN:BMAGUIRE 2010/03/30 CH'KD:NMCNAMARA 2007/07/09 APPR:BMAGUIRE 2010/05/05

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
SCALE	5:1
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY / DATE	TTOURISH 2007/07/07
CHECKED BY / DATE	NMCNAMARA 2007/07/09
APPROVED BY / DATE	BMAGUIRE 2007/07/09
TITLE	APPLI-MATE 2.5 FEMALE G.W.T. 750 VERSION
	MOLEX INCORPORATED
MATERIAL NO.	SEE CHARTS
DOCUMENT NO.	SD-93050-001
SHEET NO.	1 OF 3
SIZE	A2

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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
EC NO: E2010-0339 2010/03/30
DRWN:BMAGUIRE 2007/07/09
CHKD:NMCNAMARA 2010/05/05
APPR:BMAGUIRE DESCRIPTION
REV

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± 0.05	± ---
2 PLACES	± 0.10	± ---
1 PLACE	± 0.2	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	TTOURISH	2007/07/07
CHECKED BY	NMCNAMARA	2007/07/09
APPROVED BY	BMAGUIRE	2007/07/09

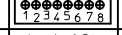
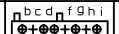
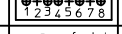
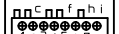
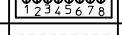
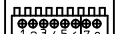
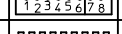
TITLE: APPLI-MATE 2.5 FEMALE G.W.T. 750 VERSION

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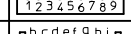
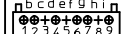
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DOCUMENT NO.: SD-93050-001
SHEET NO.: 2 OF 3
SIZE: A1

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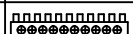
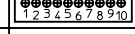
8 CIRCUIT

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

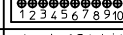
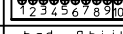
9 CIRCUIT

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

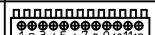
10 CIRCUIT

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

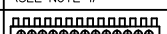
11 CIRCUIT

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
EC NO: E2010-0339

REV	DESCRIPTION	APPR:	CHKD:	DRWN:	
D		BMAGUIRE	NMCNAMARA	BMAGUIRE	2010/03/30
C		BMAGUIRE	NMCNAMARA	BMAGUIRE	2007/07/09
B		BMAGUIRE	NMCNAMARA	BMAGUIRE	2010/05/05

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
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	TTOURISH	2007/07/07
CHECKED BY	NMCNAMARA	2007/07/09
APPROVED BY	BMAGUIRE	2007/07/09

TITLE: APPLI-MATE 2.5 FEMALE G.W.T. 750 VERSION

MOLEX INCORPORATED

MATERIAL NO.: SEE CHARTS
DOCUMENT NO.: SD-93050-001
SHEET NO.: 3 OF 3
SIZE: A1

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