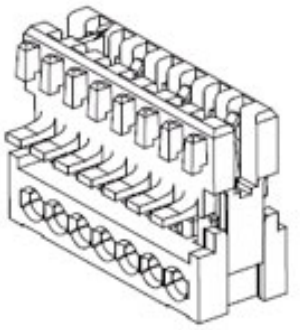
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PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0917176001
Status: Active
Overview: rast_25_connector_system
Description: 5.00mm (.197") Pitch Appli-Mate RAST 2.5 IDT Housing, Direct/Indirect, Female, 8 Circuits, Fully Coded



Series image - Reference only

Documents:

3D Model
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	91717
Crimp Quality Equipment	Yes
Overview	rast_25_connector_system
Product Name	RAST 2.5
Use With	RAST standard interface

Physical

Circuits (Loaded)	8
Circuits (maximum)	8
Color - Resin	Natural (White)
Durability (mating cycles max)	10
Flammability	94V-0
Gender	Female
Glow-Wire Compliant	No
Lock to Mating Part	None
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	1
Packaging Type	Tray
Panel Mount	No
Pitch - Mating Interface (in)	0.197 In
Pitch - Mating Interface (mm)	5.00 mm
Pitch - Term. Interface (in)	0.197 In
Pitch - Term. Interface (mm)	5.00 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	Yes
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
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
91717Series

Mates With
Appli-Mate RAST 2.5 Header 93071

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

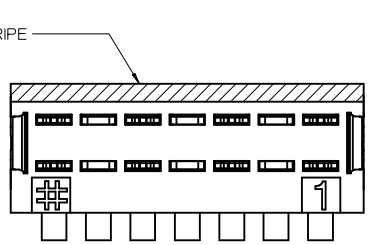
Description	Product #
RAST 2.5 Semi-Automatic Terminator Machine For Appli-Mate™ Connectors	0623006200
Manual Arbor Press, RAST 2.5	0622017400

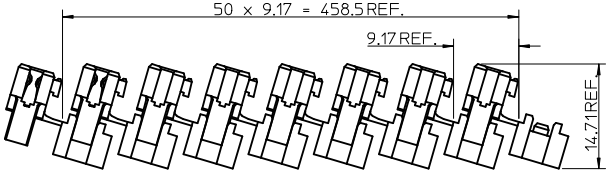
Reference - Drawing Numbers

Application Specification	AS-99033-0008
Product Specification	PS-99020-0040
Sales Drawing	SD-91717-001

This document was generated on 05/25/2010

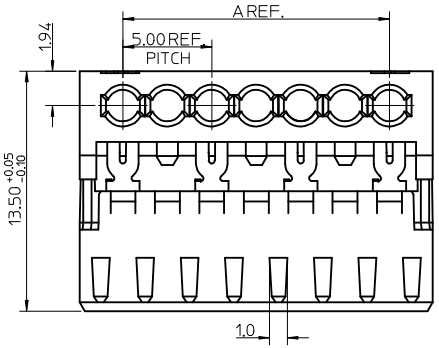
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

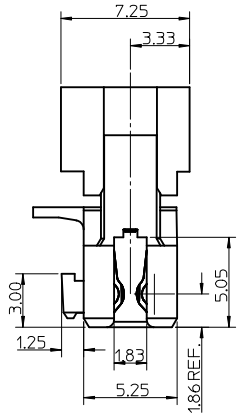


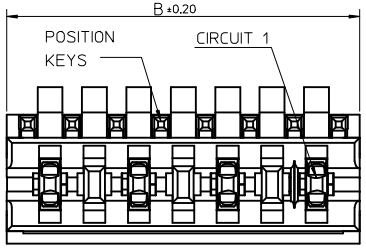


SHIPPING ARRANGEMENT
SCALE 2:1

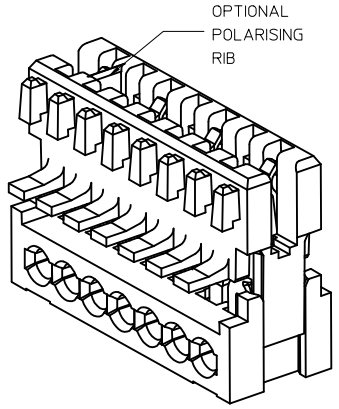
CCT	"A"	"B"
2	5.0	9.875
3	10.0	14.875
4	15.0	19.875
5	20.0	24.875
6	25.0	29.875
7	30.0	34.875
8	35.0	39.875
9	40.0	44.875
10	45.0	49.875



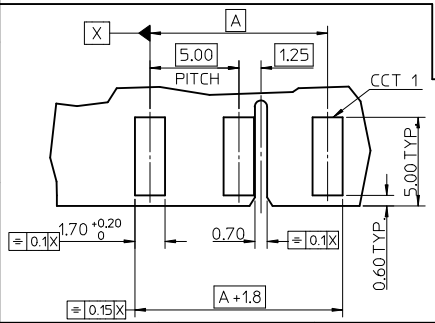




NOTES:
1. REFER TO PRODUCT SPECIFICATION: PS-99020-0040.
2. MATERIAL: HOUSING - NYLON PA6
   UL94-V0, COLOUR: NATURAL (WHITE).
   TERMINAL: PHOSPHOR BRONZE 0.30 REF. THICK -
   PLATING HOT TIN DIP.
3. COLOUR STRIPE IS OPTIONAL. AVAILABLE IN
   THE FOLLOWING
   COLOURS: BLACK, RED, GREEN, BLUE
4. REFER TO PACKAGING SPEC (PK-90871-001).
5. REFER TO APPLICATION SPEC (AS-99033-0008)



SEE SUBSEQUENT SHEETS FOR RELEVANT PART NUMBERS.



- RECCOMENDED PCB LAYOUT FOR
  3CCT (5MM PITCH) CONNECTOR
  (OPTIONAL POSITIONAL RIB SLOT ALSO SHOWN)

- RECCOMENDED PCB THICKNESS 1.5±0.14mm

ADDED P/N'S
EC NO: E2009-0568 2009/05/12
DRWN:TTOURISH 2009/05/12
CHKD:BRUTTILE 2009/05/12
APPR:BMAGUIRE 2009/05/12
DESCRIPTION
R
REV

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
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

		DATE
DRAWN BY	NMCNAMAR	2004/02/12
CHECKED BY	JDENNEHY	2004/02/13
APPROVED BY	BMAGUIRE	2004/02/16

TITLE: APPLI-MATE 2.5 FEMALE 5MM TERMINAL PITCH (MATL: NYLON PA6)

MOLEX INCORPORATED

MATERIAL NO.: SEE SHEET 2&3
DOCUMENT NO.: SD-91717-001
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

2 CIRCUIT

MOLEX PART NO.	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE 1)	POLARIZING RIB	COLOUR STRIPE
91717-0002	NONE		NONE	NONE
91717-0003	a		NONE	NONE
91717-0004	b		NONE	NONE
91717-0005	c		NONE	NONE
91717-0006	d		NONE	NONE
91717-0007	b d		NONE	NONE
91717-0008	a c		NONE	NONE
91717-0009	a d		NONE	NONE
91717-0010	a b		NONE	NONE
91717-0011	b c		NONE	NONE
91717-0012	c d		NONE	NONE
91717-0014	b c d		NONE	NONE
91717-0013	b c		NONE	RED
91717-0015	b c d		NONE	BLUE
91717-0016	c d		NONE	BLUE
91717-0017	NONE		BETWEEN HSG CKT 2&3	NONE
91717-0018	NONE		BETWEEN HSG CKT 1&2	NONE
91717-0019	NONE		NONE	BLUE
91717-0020	a c		NONE	BLUE
91717-0021	b c		NONE	GREEN
91717-0022	a d		NONE	GREEN
91717-0023	NONE		NONE	GREEN
91717-0024	d		BETWEEN HSG CKT 1&2	RED

2 CIRCUIT

MOLEX PART NO.	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE 1)	POLARIZING RIB	COLOUR STRIPE
91717-0025	a c		BETWEEN HSG CKT 1&2	RED
91717-0026	a		BETWEEN HSG CKT 2&3	NONE
91717-0027	NONE		BETWEEN HSG CKT 2&3	RED
91717-0028	a		NONE	RED
91717-0029	NONE		NONE	RED
91717-0030	b c d		BETWEEN HSG CKT 1&2	RED
91717-0031	a		BETWEEN HSG CKT 2&3	RED
91717-0032	b		NONE	RED
91717-0033	d		NONE	YELLOW
91717-0035	b d		NONE	GREEN
91717-0036	NONE		BETWEEN HSG CKT 1&2	RED
91717-0037	b d		BETWEEN HSG CKT 1&2	RED
91717-0038	a c		BETWEEN HSG CKT 2&3	NONE
91717-0039	a b d		NONE	NONE
91717-0040	a		NONE	BLUE

3 CIRCUIT

MOLEX PART NO.	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE 1)	POLARIZING RIB	COLOUR STRIPE
91717-1001	NONE		NONE	NONE
91717-1002	b		NONE	NONE
91717-1003	c		NONE	NONE
91717-1004	c d e		NONE	NONE
91717-1005	NONE		BETWEEN HSG CKT 4&5	NONE
91717-1007	NONE		BETWEEN HSG CKT 1&2	NONE
91717-1008	d e f		NONE	RED
91717-1009	a b c		NONE	RED
91717-1010	a c d e		NONE	NONE
91717-1011	a c d e		NONE	BLUE
91717-1012	b c d e		NONE	NONE
91717-1013	a c e		NONE	NONE

NOTES

1. + DENOTES TERMINAL VOIDED POSITION
   ⊕ DENOTES TERMINAL LOADED POSITION
   ı DENOTES POLARIZING RIB POSITION

SEE SHEET 1
EC NO: E2009-0568 2009/05/12
DRWN:TTOURISH 2009/05/12
CHKD:BRUTTLE 2009/05/12
APPR:BMAGUIRE 2009/05/12
REV DESCRIPTION
R

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
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

DRAWN BY: NMCNAMAR DATE: 2004/02/12
CHECKED BY: JDENNEHY DATE: 2004/02/13
APPROVED BY: BMAGUIRE DATE: 2004/02/16
MATERIAL NO.: SEE CHARTS

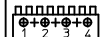
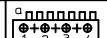
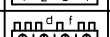
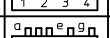
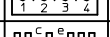
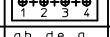
TITLE: APPLI-MATE 2.5 FEMALE 5MM TERMINAL PITCH (MATL: NYLON PA6)

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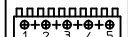
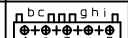
DOCUMENT NO.: SD-91717-001
SHEET NO.: 2 OF 3
SIZE: A1

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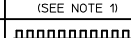
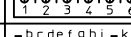
4 CIRCUIT

MOLEX PART NO.	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE 1)	POLARIZING RIB	COLOUR STRIPE
91717-2001	NONE		NONE	NONE
91717-2002	a		NONE	NONE
91717-2003	b		NONE	NONE
91717-2004	d f		NONE	NONE
91717-2005	a e g		NONE	RED
91717-2006	c e		NONE	NONE
91717-2007	a b d e g		NONE	NONE

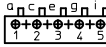
5 CIRCUIT

MOLEX PART NO.	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE 1)	POLARIZING RIB	COLOUR STRIPE
91717-3001	NONE		NONE	NONE
91717-3002	b c g h i		NONE	GREEN

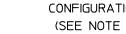
6 CIRCUIT

MOLEX PART NO.	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE 1)	POLARIZING RIB	COLOUR STRIPE
91717-4001	NONE		NONE	NONE
91717-4002	b c d e f g h i k		NONE	NONE

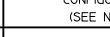
7 CIRCUIT

MOLEX PART NO.	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE 1)	POLARIZING RIB	COLOUR STRIPE
91717-5001	a c e g i k m		NONE	NONE

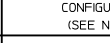
8 CIRCUIT

MOLEX PART NO.	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE 1)	POLARIZING RIB	COLOUR STRIPE
91717-6001	NONE		NONE	NONE

9 CIRCUIT

MOLEX PART NO.	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE 1)	POLARIZING RIB	COLOUR STRIPE
91717-7001	NONE		NONE	NONE

10 CIRCUIT

MOLEX PART NO.	REMOVED POSITION KEYS	CONFIGURATION (SEE NOTE 1)	POLARIZING RIB	COLOUR STRIPE
91717-8001	NONE		NONE	NONE

NOTES

1. + DENOTES TERMINAL VOIDED POSITION
   ⊕ DENOTES TERMINAL LOADED POSITION
   I DENOTES POLARIZING RIB POSITION
2. A - APPLICABLE CABLE: UL 1569, 22 AWG, 7 Strand

SEE SHEET 1
EC NO: E2009-0568
DRWN:TTOURISH 2009/05/12
CHKD:BRUTTLE 2009/05/12
APPR:BMAGUIRE 2009/05/12
DES:~~SHEET~~ ON SHEET 1
REV: R

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
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	NMCNAMAR	2004/02/12
CHECKED BY	JDENNEHY	2004/02/13
APPROVED BY	BMAGUIRE	2004/02/16

TITLE: APPLI-MATE 2.5 FEMALE 5MM TERMINAL PITCH (MATL: NYLON PA6)
MOLEX INCORPORATED
MATERIAL NO.: SEE CHARTS
DOCUMENT NO.: SD-91717-001
SHEET NO.: 3 OF 3
SIZE: A1

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