

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0917175001

Status:

Active

Overview:

[rast_25_connector_system](#)

Description:

5.00mm (.197") Pitch Appli-Mate RAST 2.5 IDT Housing, Direct/Indirect, Female, 7 Circuits

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

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

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

Agency Certification

CSA

LR19980

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)

7

Circuits (maximum)

7

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

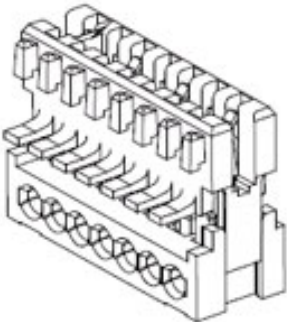


image - Reference only

Series

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

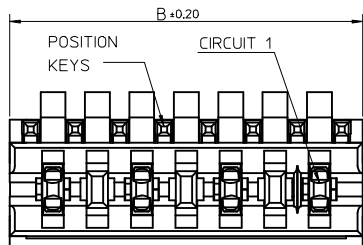
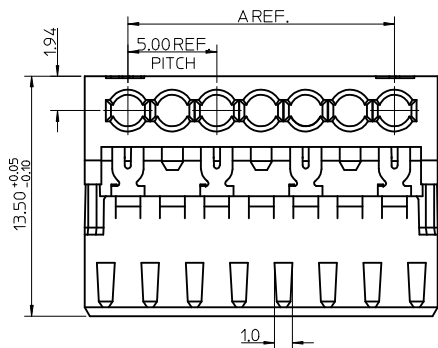
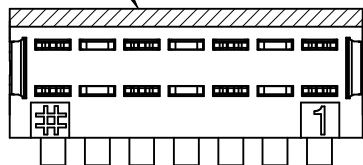
Reference - Drawing Numbers

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

This document was generated on 05/28/2010

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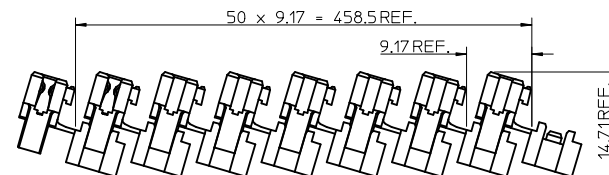
POSITION OF
COLOUR STRIPE
(see note 3)



- 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)

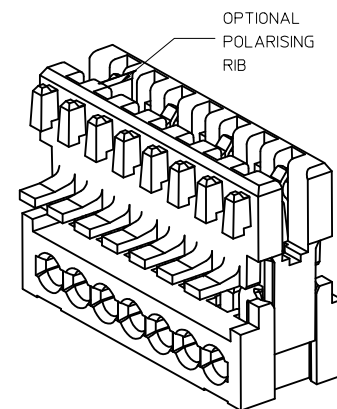
- RECOMMENDED PCB LAYOUT FOR
3CCT (5MM PITCH) CONNECTOR
(OPTIONAL POSITIONAL RIB SLOT ALSO SHOWN)

- RECOMMENDED PCB THICKNESS 1.5±0.14mm

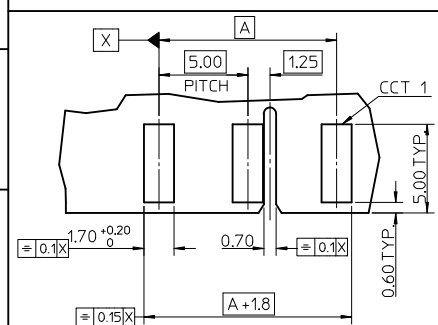


SHIPPING ARRANGEMENT
SCALE 2:1

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



SEE SUBSEQUENT SHEETS FOR RELEVANT PART NUMBERS.



lb_frame_A2_P_AM.T
Rev. E 2006/04/15

ADDED P/N'S

EC NO: E2009-0568

DRWN: TIOURISH 2009/05/12

CHKD: BRUTLE 2009/05/12

APPR: BMAGUIRE 2009/05/12

REV

REV

QUALITY
SYMBOLS



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

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

MATERIAL NO.
SEE SHEET 2&3
SIZE A2

SCALE
5:1

DESIGN UNITS
METRIC

DOCUMENT NO.
SD-91717-001

THIRD ANGLE
PROJECTION

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

SHEET NO.
1 OF 3

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

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

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

SEE SHEET 1 EC NO: E2009-0568 DRAWN: TOUR SH CHKD: BRUTLE APPR: BMAGUIRE	2009/05/12 2009/05/12 2009/05/12	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION							
			4 PLACES ± --- ± ---	INCH	DRAWN BY NMCNAR	DATE 2004/02/12										
R	DESCRIPTION REV		3 PLACES ± --- ± ---		CHECKED BY J DENNEHY	DATE 2004/02/13	TITLE APPLI-MATE 2.5 FEMALE 5MM TERMINAL PITCH (MATL: NYLON PA6)									
			2 PLACES ± 0.10 ± ---		APPROVED BY BMAGUIRE	DATE 2004/02/16										
			1 PLACE ± 0.2 ± ---		MATERIAL NO.		MOLEX INCORPORATED									
			ANGULAR ± 1/2°		DOCUMENT NO.											
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHARTS		SD-91717-001									
					SIZE A 1											
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																

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

NOTES

- + DENOTES TERMINAL VOIDED POSITION
 ● DENOTES TERMINAL LOADED POSITION
 | DENOTES POLARIZING RIB POSITION
- A - APPLICABLE CABLE: UL 1569, 22 AWG, 7 Strand

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

SEE SHEET 1 EC NO: E2009-0568 DRAWN: TOUR SH CHKD: BRUTLE APPR: BMAGUIRE 2009/05/12 2009/05/12 DESIGNED: SHEET 1 REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>±.---</td> <td>±.---</td> </tr> <tr> <td>3 PLACES</td> <td>±.---</td> <td>±.---</td> </tr> <tr> <td>2 PLACES</td> <td>±0.10</td> <td>±.---</td> </tr> <tr> <td>1 PLACE</td> <td>±0.2</td> <td>±.---</td> </tr> </table> ANGULAR ±1/2°		mm	INCH	4 PLACES	±.---	±.---	3 PLACES	±.---	±.---	2 PLACES	±0.10	±.---	1 PLACE	±0.2	±.---	DIMENSION STYLE MM ONLY DRAWN BY DATE NMCNAR 2004/02/12 CHECKED BY DATE JDENNEY 2004/02/13 APPROVED BY DATE BMAGUIRE 2004/02/16	SCALE 1:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE APPLI-MATE 2.5 FEMALE 5MM TERMINAL PITCH (MATL: NYLON PA6)
		mm	INCH																	
	4 PLACES	±.---	±.---																	
	3 PLACES	±.---	±.---																	
2 PLACES	±0.10	±.---																		
1 PLACE	±0.2	±.---																		
MATERIAL NO. SD-91717-001		DOCUMENT NO. 3 OF 3		MOLEX INCORPORATED																
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHARTS THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO.																
SIZE A 1																				