

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0916272001

Status:

Active

Overview:

rast_power_connector

Description:

5.00mm (.197") Pitch Appli-Mate® RAST Power IDT Housing, Direct/Indirect, Female, 4 Circuits, Glow Wire Compatible, Fully Coded, Open End Walls

Documents:

3D Model

Drawing (PDF)

Product Specification PS-91627-001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

IDT and Solder Connectors

Series

91627

Crimp Quality Equipment

Yes

Overview

rast_power_connector

Product Name

RAST 5

Use With

RAST standard interface

Physical

Circuits (Loaded)

4

Circuits (maximum)

4

Color - Resin

Natural (White)

Durability (mating cycles max)

10

Flammability

94V-2

Gender

Female

Glow-Wire Compliant

Yes

Lock to Mating Part

None

Material - Metal

High Performance Alloy (HPA)

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)

32

Plating min: Mating (µm)

0.80

Plating min: Termination (µin)

32

Plating min: Termination (µm)

0.80

Polarized to Mating Part

Yes

Stackable

No

Temperature Range - Operating

-40°C to +120°C

Termination Interface: Style

IDT or Pierce

Wire Size AWG

18, 22

Electrical

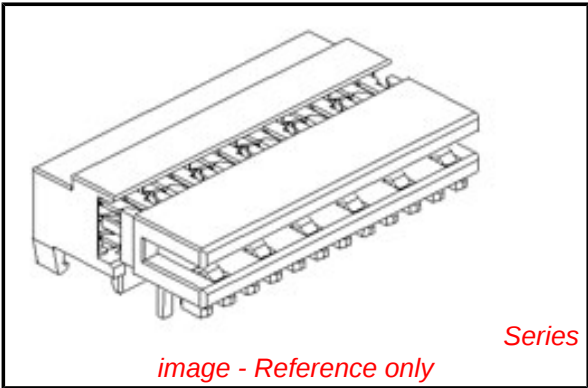
Current - Maximum per Contact

6A

Voltage - Maximum

250V AC

Material Info



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
91627Series

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 #
Appli-Mate Rast 2.5 Power Manual Terminator	0622030000
RAST 2.5 Semi-Automatic Terminator Machine For Appli-Mate™ Connectors	0623006000

Reference - Drawing Numbers

Application Specification	AS-91627-001
Packaging Specification	PK-91627-001
Product Specification	PS-91627-001
Sales Drawing	SD-91627-001

This document was generated on 05/27/2010

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2 CIRCUIT							
MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED CODING KEYS	CONFIGURATION	LATCH BETWEEN	POLARIZING RIB BETWEEN	END WALLS	COLOUR STRIPE
91627-0001	NONE	NONE		NONE	NONE	OPEN	NONE
91627-0501	NONE	NONE		CCT 1&2	NONE	OPEN	NONE
91627-0502	NONE	NONE		CCT 1&2	NONE	A	NONE
91627-0002	NONE	NONE		NONE	NONE	OPEN	YELLOW
91627-0003	NONE	d		NONE	NONE	OPEN	YELLOW
91627-0004	NONE	NONE		NONE	NONE	OPEN	RED
91627-0005	NONE	b		NONE	NONE	OPEN	RED
91627-0006	NONE	d		NONE	NONE	OPEN	NONE
91627-0008	NONE	c		NONE	NONE	OPEN	NONE
91627-0009	NONE	a b		NONE	NONE	OPEN	NONE
91627-0010	NONE	a c		NONE	NONE	OPEN	NONE
91627-0503	NONE	NONE		CCT 1&2	NONE	B	NONE
91627-0011	NONE	b d		NONE	NONE	OPEN	NONE
91627-0012	NONE	a b c		NONE	NONE	OPEN	NONE
91627-0013	NONE	a c d		NONE	NONE	OPEN	NONE
91627-0014	NONE	b c d		NONE	NONE	OPEN	NONE
91627-0015	NONE	b		NONE	NONE	OPEN	NONE
91627-0504	NONE	a b		CCT 1&2	NONE	A	NONE
91627-0505	NONE	a c		CCT 1&2	NONE	A	NONE
91627-0506	NONE	c d		CCT 1&2	NONE	A	NONE
91627-0507	NONE	NONE		CCT 1&2	NONE	LAST	NONE
91627-0016	NONE	b c		NONE	NONE	OPEN	NONE
91627-0508	NONE	b d		CCT 1&2	NONE	A	NONE
91627-0024	NONE	a		NONE	NONE	OPEN	NONE

3 CIRCUIT							
MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED CODING KEYS	CONFIGURATION	LATCH BETWEEN	POLARIZING RIB BETWEEN	END WALLS	COLOUR STRIPE
91627-1001	NONE	NONE		NONE	NONE	OPEN	NONE
91627-1002	NONE	a b c		NONE	CCT 1&2	OPEN	RED
91627-1004	NONE	NONE		NONE	CCT 1&2	OPEN	RED
91627-1501	NONE	NONE		CCT 1&2	NONE	OPEN	NONE
91627-1502	NONE	NONE		CCT 1&2	CCT 2&3	A	NONE
91627-1503	NONE	c d		CCT 1&2	NONE	A	NONE
91627-1005	NONE	a b c d e		NONE	NONE	OPEN	NONE
91627-1006	NONE	b c e		NONE	NONE	OPEN	NONE
91627-1007	NONE	d e f		NONE	NONE	OPEN	NONE
91627-1504	NONE	a b c		CCT 1&2	CCT 2&3	OPEN	RED
91627-1506	NONE	NONE		CCT 2&3	CCT 1&2	A	NONE
91627-1507	NONE	NONE		CCT 1&2	CCT 2&3	A	NONE
91627-1508	NONE	NONE		CCT 2&3	CCT 1&2	OPEN	NONE
91627-1008	NONE	c d f		NONE	NONE	OPEN	NONE
91627-1009	NONE	a d e		NONE	NONE	OPEN	NONE
91627-1010	NONE	b c d		NONE	NONE	OPEN	NONE
91627-1011	NONE	a d e f		NONE	NONE	OPEN	NONE
91627-1012	NONE	a b d		NONE	NONE	OPEN	NONE
91627-1013	CCT 2	d e f		NONE	CCT 1&2	OPEN	NONE
91627-1014	NONE	b c d e		NONE	NONE	OPEN	NONE
91627-1015	NONE	a c e		NONE	NONE	OPEN	NONE
91627-1016	NONE	NONE		NONE	NONE	OPEN	BLUE*
91627-1017	NONE	d e f		NONE	CCT 1&2	OPEN	NONE

4 CIRCUIT							
MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED CODING KEYS	CONFIGURATION	LATCH BETWEEN	POLARIZING RIB BETWEEN	END WALLS	COLOUR STRIPE
91627-2001	NONE	NONE		NONE	NONE	OPEN	NONE
91627-2002	NONE	d e f g h		NONE	CCT 2&3	OPEN	RED
91627-2003	NONE	NONE		NONE	CCT 2&3	OPEN	RED
91627-2501	NONE	NONE		CCT 1&2	NONE	OPEN	NONE
91627-2004	NONE	b d e f g h		NONE	CCT 2&3	OPEN	RED
91627-2005	NONE	d e f g		NONE	NONE	OPEN	NONE
91627-2006	NONE	b c d f		NONE	NONE	OPEN	NONE
91627-2007	NONE	a b e f h		NONE	NONE	OPEN	NONE
91627-2008	NONE	ALL		NONE	NONE	OPEN	NONE
91627-2009	NONE	a b f g		NONE	NONE	OPEN	NONE
91627-2503	NONE	NONE		CCT 1&2	CCT 2&3	A	NONE
91627-2010	NONE	c d e h		NONE	NONE	OPEN	NONE
91627-2011	NONE	d e f g h		NONE	NONE	OPEN	NONE

5 CIRCUIT							
MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED CODING KEYS	CONFIGURATION	LATCH BETWEEN	POLARIZING RIB BETWEEN	END WALLS	COLOUR STRIPE
91627-3001	NONE	NONE		NONE	NONE	OPEN	NONE
91627-3501	NONE	NONE		CCT 1&2	NONE	OPEN	NONE
91627-3002	NONE	c d f g i		NONE	NONE	OPEN	NONE
91627-3003	NONE	a b c d e f g h i		NONE	NONE	OPEN	NONE
91627-3004	NONE	ALL		NONE	NONE	OPEN	NONE
91627-3502	NONE	NONE		CCT 1&2	CCT 3&4	A	NONE
91627-3503	NONE	NONE		CCT 1&2	CCT 4&5	A	NONE
91627-3504	NONE	NONE		CCT 1&2	CCT 4&5	OPEN	NONE
91627-3005	NONE	NONE		NONE	CCT 1&2	OPEN	NONE
91627-3006	NONE	b c d g h j		NONE	NONE	OPEN	NONE

NOTES:
 1. FIRST KXT SIDE IS THE SIDE CLOSEST TO KXT 1
 2. LAST KXT SIDE IS THE SIDE CLOSEST TO THE HIGHEST KXT SIDE

● - DENOTES TERMINAL POSITION LOADED
 + - DENOTES TERMINAL POSITION VOIDED
 1 - DENOTES POSITION OF POLARIZING RIB
 11 - DENOTES POSITION OF LOCKING LATCH

3. * - COLOUR COVERS WHOLE SURFACE

SEE SHEET 1 EC NO. E2010-0325 DRAWN BY: 25/01/2003 CHECKED BY: 25/01/2003 APPROVED BY: 20/05/2003	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	4 PLACES ± 0.10 3 PLACES ± 0.10 2 PLACES ± 0.10 1 PLACE ± 0.20	mm INCH ANGULAR ± 2°	MM ONLY DRAWN BY: KIERMAN DATE: 07/05/2003 CHECKED BY: BMAGUIRE DATE: 25/07/2003 APPROVED BY: BMAGUIRE DATE: 20/10/04/02	1:1	METRIC	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					
	SEE CHARTS MATERIAL NO. SD-91627-001 DOCUMENT NO. 2 OF 3 SHEET NO. 2 OF 3 INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

6 CIRCUIT							
MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED CODING KEYS	CONFIGURATION	LATCH BETWEEN	POLARIZING RIB BETWEEN	END WALLS	COLOUR STRIPE
91627-4001	NONE	NONE		NONE	NONE	OPEN	NONE
91627-4501	NONE	NONE		CCT 1&2	NONE	OPEN	NONE
91627-4002	NONE	abc, dgh, jkl n2, 2, 2, 2, 2, 2, 2, 2		NONE	NONE	OPEN	NONE
91627-4502	NONE	NONE		CCT 1&2 CCT 5&6	CCT 3&4	OPEN	NONE
91627-4003	NONE	ALL		NONE	NONE	OPEN	NONE
91627-4004	NONE	a l		NONE	NONE	OPEN	NONE
91627-4503	NONE	NONE		CCT 1&2	CCT 5&6	A	NONE
91627-4005	NONE	NONE		NONE	CCT 2&3	OPEN	NONE
91627-4006	NONE	c d e h i j		NONE	NONE	OPEN	NONE
91627-4007	NONE	a b e f g h i j		NONE	NONE	OPEN	NONE
91627-4504	NONE	NONE		1&2 5&6	CCT 2&3	OPEN	NONE

7 CIRCUIT							
MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED CODING KEYS	CONFIGURATION	LATCH BETWEEN	POLARIZING RIB BETWEEN	END WALLS	COLOUR STRIPE
91627-5001	NONE	NONE		NONE	NONE	OPEN	NONE
91627-5002	NONE	b, c, d, e, f, h, i, j, k, l, m		NONE	NONE	OPEN	NONE
91627-5003	NONE	b, c, e, f, g, i, j, k, m, n		NONE	NONE	OPEN	ORANGE
91627-5501	NONE	NONE		CCT 1&2	NONE	OPEN	NONE
91627-5502	NONE	NONE		CCT 1&2 CCT 6&7	NONE	A	NONE
91627-5004	NONE	c d g h i j k		NONE	NONE	OPEN	NONE
91627-5503	NONE	NONE		CCT 1&2 CCT 6&7	CCT 3&4	OPEN	NONE
91627-5504	NONE	NONE		CCT 1&2 CCT 6&7	NONE	OPEN	NONE
91627-5005	NONE	a b c d e g h i j k l m		NONE	NONE	OPEN	NONE
91627-5006	NONE	NONE		NONE	CCT 2&3	OPEN	NONE
91627-5505	NONE	NONE		CCT 1&2 CCT 6&7	NONE	OPEN	NONE

8 CIRCUIT							
MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED CODING KEYS	CONFIGURATION	LATCH BETWEEN	POLARIZING RIB BETWEEN	END WALLS	COLOUR STRIPE
91627-6001	NONE	NONE		NONE	NONE	OPEN	NONE
91627-6501	NONE	NONE		CCT 1&2	NONE	OPEN	NONE
91627-6502	NONE	NONE		CCT 1&2 CCT 7&8	CCT 3&4	OPEN	NONE
91627-6002	NONE	NONE		NONE	CCT 2&3	OPEN	NONE

10 CIRCUIT							
MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED CODING KEYS	CONFIGURATION	LATCH BETWEEN	POLARIZING RIB BETWEEN	END WALLS	COLOUR STRIPE
91627-8001	NONE	NONE		NONE	NONE	OPEN	NONE
91627-8501	NONE	NONE		CCT 1&2	NONE	OPEN	NONE

11 CIRCUIT							
MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED CODING KEYS	CONFIGURATION	LATCH BETWEEN	POLARIZING RIB BETWEEN	END WALLS	COLOUR STRIPE
91627-9001	NONE	NONE		NONE	NONE	OPEN	NONE
91627-9251	NONE	NONE		CCT 1&2	NONE	OPEN	NONE

9 CIRCUIT							
MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED CODING KEYS	CONFIGURATION	LATCH BETWEEN	POLARIZING RIB BETWEEN	END WALLS	COLOUR STRIPE
91627-7001	NONE	NONE		NONE	NONE	OPEN	NONE
91627-7501	NONE	NONE		CCT 1&2	NONE	OPEN	NONE
91627-7502	NONE	NONE		CCT 1&2 CCT 8&9	NONE	A	NONE
91627-7503	NONE	All		CCT 1&2 CCT 8&9	NONE	A	NONE
91627-7002	NONE	All		NONE	NONE	OPEN	NONE
91627-7504	NONE	NONE		CCT 1&2	CCT 3&4	OPEN	NONE
91627-7003	NONE	NONE		NONE	CCT 2&3	OPEN	NONE

12 CIRCUIT							
MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED CODING KEYS	CONFIGURATION	LATCH BETWEEN	POLARIZING RIB BETWEEN	END WALLS	COLOUR STRIPE
91627-9501	NONE	NONE		NONE	NONE	OPEN	NONE
91627-9751	NONE	NONE		CCT 1&2	NONE	OPEN	NONE

NOTES:
1. FIRST OKT SIDE IS THE SIDE CLOSEST TO OKT 1
2. LAST OKT SIDE IS THE SIDE CLOSEST TO THE HIGHEST OKT SIZE

● - DENOTES TERMINAL POSITION LOADED
+ - DENOTES TERMINAL POSITION VOIDED
I - DENOTES POSITION OF POLARISING RIB
L - DENOTES POSITION OF LOCKING LATCH

SEE SHEET 1 EC NO. E2010-0325 DRAWING NO. 25/07/2003 CHKD-BMAGUIRE APPR-BMAGUIRE DATE 20/05/28	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ±--- ±--- 3 PLACES ±--- ±--- 2 PLACES ±0.10 ±--- 1 PLACE ±0.2 ±--- ANGULAR ± 2 °	DIMENSION STYLE MM ONLY DRAWN BY DATE KIERMAN 07/05/2003 CHECKED BY DATE BMAGUIRE 25/07/2003 APPROVED BY DATE BMAGUIRE 20/10/04/02	SCALE 1:1 DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	TITLE RAST PWR IDT CONN 5MM PITCH				
	MOLEX INCORPORATED MATERIAL NO. 2010/04/02 DOCUMENT NO.				
	SHEET NO. 3 OF 3 INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9