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Part Number: [0916273001](#)
Status: **Active**
Overview: [rast_power_connector](#)
Description: 5.00mm (.197") Pitch Appli-Mate® RAST Power IDT Housing, Direct/Indirect, Female, 5 Circuits, Glow Wire Compatible, Fully Coded, Open End Walls

Documents:

[3D Model](#) [Product Specification PS-91627-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [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

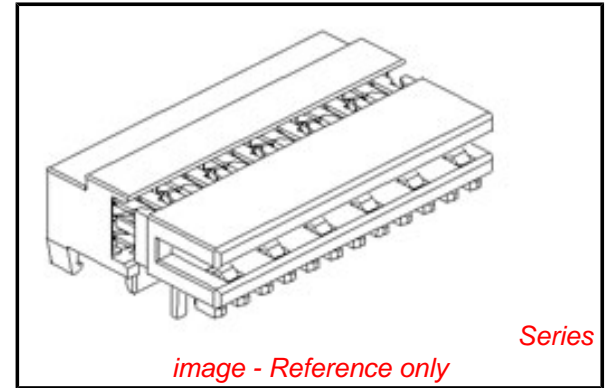
Physical

Circuits (Loaded) 5
 Circuits (maximum) 5
 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	NONE	A	NONE
91627-1503	NONE	c d		CCT 1&2	NONE	A	NONE	
91627-1005	NONE	a b c d e b2,c2,d2,e2		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 CKT SIDE IS THE SIDE CLOSEST TO CKT 1
 2. LAST CKT SIDE IS THE SIDE CLOSEST TO THE HIGHEST CKT SIZE
 ● - DENOTES TERMINAL POSITION LOADED
 + - DENOTES TERMINAL POSITION VOIDED
 I - DENOTES POSITION OF POLARIZING RIB
 II - DENOTES POSITION OF LOCKING LATCH
 3. * - COLOUR COVERS WHOLE SURFACE

SEE SHEET 1 EC NO. E2010-0325 DRAWING NO. 25/07/2003 APPROVAL DATE 20/05/2008	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ±.05 ±.0025 3 PLACES ±.03 ±.00125 2 PLACES ±.02 ±.00075 1 PLACE ±.01 ±.000375 ANGULAR ±.2°	DIMENSION STYLE MM ONLY	SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	DRAWN BY DATE K IERMAN 07/05/2003	CHECKED BY DATE B MAGUIRE 25/07/2003	APPROVED BY DATE B MAGUIRE 20/10/04/02	TITLE RAST PWR IDT CONN SMM INCORPORATED	MATERIAL NO. SD-91627-001	SHEET NO. 2 OF 3

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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, d, g, h, j, k, l n2, 2, 2, 2, 2, 2, 2, 2 g, 2, h, 2, i, 2, k, 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, i		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, 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, 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

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

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

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 SIDE

- DENOTES TERMINAL POSITION LOADED
- + DENOTES TERMINAL POSITION VOIDED
- DENOTES POSITION OF POLARIZING RIB
- ⊥ DENOTES POSITION OF LOCKING LATCH

SEE SHEET 1 EC NO. E2010-025 CHKD BY: BMAGUIRE APPR: BMAGUIRE 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 ±---	DIMENSION STYLE MM ONLY	SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	APPROVED BY: BMAGUIRE DATE: 20/10/04/02	DESIGNED BY: KIERMAN DATE: 07/05/2003	CHECKED BY: BMAGUIRE DATE: 25/07/2003	TITLE RAST PWR IDT CONN SMM PITCH	
		MATERIAL NO. SD-91627-001		DOCUMENT NO.		SHEET NO. 3 OF 3
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