

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0917910001

Status:

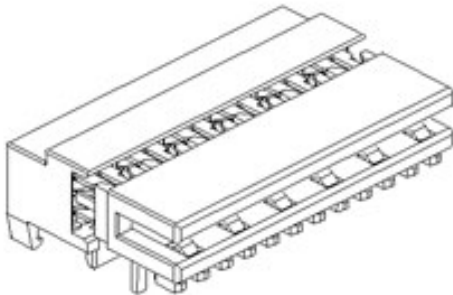
Active

Overview:

[rast_5_connector_system](#)

Description:

5.00mm (.197") Pitch Appli-Mate® RAST Power IDT Housing, 10 Amp, Indirect, Female, 2 Circuits, Fully Coded, Open End Walls, No Polarizing Rib, Glow Wire Compatible



Series

image - Reference only

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_5_connector_system
Product Name	RAST 5
Use With	RAST standard interface

Physical

Circuits (Loaded)	2
Circuits (maximum)	2
Color - Resin	Natural (White)
Durability (mating cycles max)	10
Flammability	94V-2
Gender	Female
Glow-Wire Compliant	Yes
Lock to Mating Part	Yes
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Tin
Material - Plating Termination	Silver
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	No
Stackable	No
Temperature Range - Operating	-40°C to +120°C
Termination Interface: Style	IDT or Pierce
Wire Size AWG	22, 24

Electrical

Current - Maximum per Contact	10A
Voltage - Maximum	250V AC

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

90860 Appli-Mate® Vertical Header. 90861
Appli-Mate® Right Angle Header

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

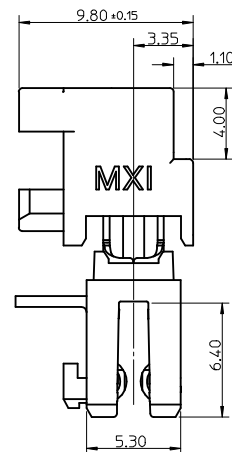
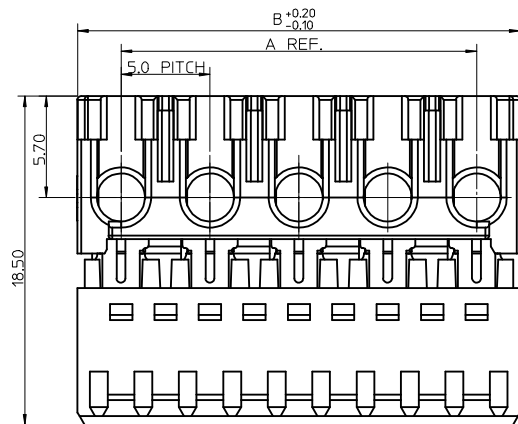
Material Info

Reference - Drawing Numbers

Application Specification	AS-91627-001
Packaging Specification	PK-91627-001
Product Specification	PS-91627-001
Sales Drawing	SD-91791-001

This document was generated on 05/28/2010

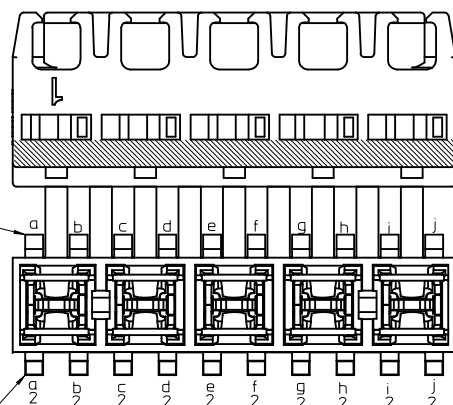
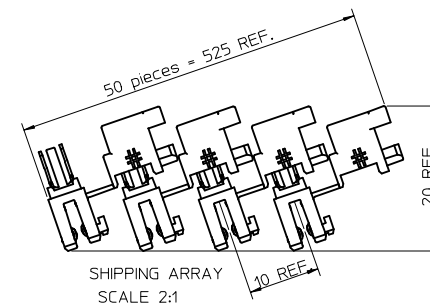
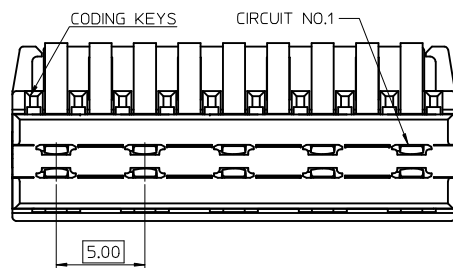
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



CKT	DIM A	DIM B
2	5	9.9
3	10	14.9
4	15	19.9
5	20	24.9
6	25	29.9
7	30	34.9
8	35	39.9
9	40	44.9
10	45	49.9
11	50	54.9
12	55	59.9

NOTES:

- MATERIAL: HOUSING: PA 6
TERMINAL: COPPER ALLOY
PLATING: SILVER (10A)
- PRODUCT SPECIFICATION: PS-91627-001
- SEE SUBSEQUENT SHEETS FOR PART NUMBERING INFORMATION
- THIS CONNECTOR MATES WITH HEADER ONLY. SEE PRODUCT SPECIFICATION PS-91627-001 FOR APPROVED HEADERS
- CABLE:
 - RECOMMENDED CABLE CROSS SECTIONAL AREA = 0.50mm.sq TO 0.75mm.sq
 - MAX CABLE INSULATION DIAMETER = 2.5mm
- PACKAGING SPECIFICATION: PK-91627-001
- APPLICATION SPECIFICATION: AS-91627-001



REVIEWED EC NO: E2010-0095 DRAWN: TIOURISH 2009/09/04 CHKD: BRUTLE 2009/09/04 APPR: BMAGUIRE 2009/09/07 DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
				MM ONLY		5:1	METRIC		
						TITLE		10A RAST PWR IDT CONN 5MM PTCH	
						MOLEX		MOLEX INCORPORATED	
						DOCUMENT NO.		SHEET NO.	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHARTS		SD-91791-001		1 OF 2	
				SIZE A7		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

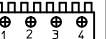
2 CIRCUIT

MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED CODING KEYS	CONFIGURATION	COLOUR STRIPE
91791-0001	NONE	NONE		NONE

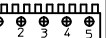
3 CIRCUIT

MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED CODING KEYS	CONFIGURATION	LATCH BETWEEN	POLARIZING RIB BETWEEN	COLOUR STRIPE
91791-1001	NONE	NONE		NONE	NONE	NONE
91791-1002	NONE	a b c		NONE	CCT 1&2	RED
91791-1004	NONE	NONE		NONE	CCT 1&2	RED
91791-1504	NONE	a b c		CCT 1&2	CCT 2&3	RED
91791-1003	NONE	b c d e f b2 c2 d2 e2		NONE	NONE	NONE

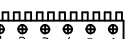
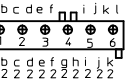
4 CIRCUIT

MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED CODING KEYS	CONFIGURATION	LATCH BETWEEN	POLARIZING RIB BETWEEN	COLOUR STRIPE
91791-2001	NONE	NONE		NONE	NONE	NONE
91791-2004	NONE	b d e f g h		NONE	CCT 2&3	RED

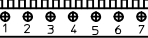
5 CIRCUIT

MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED CODING KEYS	CONFIGURATION	COLOUR STRIPE
91791-3001	NONE	NONE		NONE

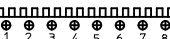
6 CIRCUIT

MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED CODING KEYS	CONFIGURATION	COLOUR STRIPE
91791-4001	NONE	NONE		NONE
91791-4002	NONE	a b c d e f i j k l + b2 c2 d2 e2 f2 g2 h2 i2 j2 k2		NONE

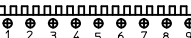
7 CIRCUIT

MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED CODING KEYS	CONFIGURATION	COLOUR STRIPE
91791-5001	NONE	NONE		NONE

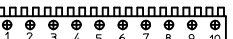
8 CIRCUIT

MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED CODING KEYS	CONFIGURATION	COLOUR STRIPE
91791-6001	NONE	NONE		NONE

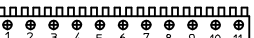
9 CIRCUIT

MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED CODING KEYS	CONFIGURATION	COLOUR STRIPE
91791-7001	NONE	NONE		NONE

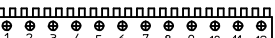
10 CIRCUIT

MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED CODING KEYS	CONFIGURATION	COLOUR STRIPE
91791-8001	NONE	NONE		NONE

11 CIRCUIT

MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED CODING KEYS	CONFIGURATION	COLOUR STRIPE
91791-9001	NONE	NONE		NONE

12 CIRCUIT

MOLEX PART NO.	TERMINAL VOID POSITION	REMOVED CODING KEYS	CONFIGURATION	COLOUR STRIPE
91791-9501	NONE	NONE		NONE

NOTES:

- FIRST CKT SIDE IS THE SIDE CLOSEST TO CKT 1
 - LAST CKT SIDE IS THE SIDE CLOSEST TO THE HIGHEST CKT SIZE
- - DENOTES TERMINAL POSITION LOADED
 - - DENOTES TERMINAL POSITION VOIDED
 - I - DENOTES POSITION OF POLARISING RIB
 - - DENOTES POSITION OF LOCKING LATCH

SEE SHEET 1 EC NO: E2010-0095 DRAWN: TOURISH CHKD: BRUTLE APPR: BMAGUIRE	2009/09/04 2009/09/04 2009/09/07	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
			mm	INCH	DRAWN BY LKIERNAN		DATE 07/05/2003	TITLE 10A RAST PWR IDT CONN 5MM PTCH	
			4 PLACES ± --- ± ---		CHECKED BY BMAGUIRE		DATE 25/07/2003		
			3 PLACES ± 0.10 ± ---		APPROVED BY BMAGUIRE		DATE 25/07/03		
			2 PLACES ± 0.10 ± ---						
			1 PLACE ± 0.2 ± ---						
			ANGULAR ± 2 °						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHARTS		MATERIAL NO. SD-91791-001		SHEET NO. 2 OF 2
					SIZE A1		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		