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Part Number: [0917790003](#)
Status: **Active**
Overview: [rast_5_connector_system](#)
Description: 5.00mm (.197") Appli-Mate RAST 5 IDT Housing, Indirect, Female, 16 Amp, 2 Circuit, Position Key 1a, 2a, Code Key d20, Reference K05

Documents:
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-99020-0037 \(PDF\)](#)

Agency Certification

CSA LR19980
UL E29179

General

Product Family IDT and Solder Connectors
Series [91779](#)
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 Phosphor Bronze
Material - Plating Mating Silver
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) 80
Plating min: Mating (µm) 2
Plating min: Termination (µin) 4
Plating min: Termination (µm) 0.1
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 16A
Voltage - Maximum 250V AC

Material Info

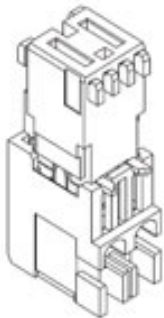


image - Reference only

Series

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
[91779Series](#)

Mates With
[90858](#) RAST Vertical 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

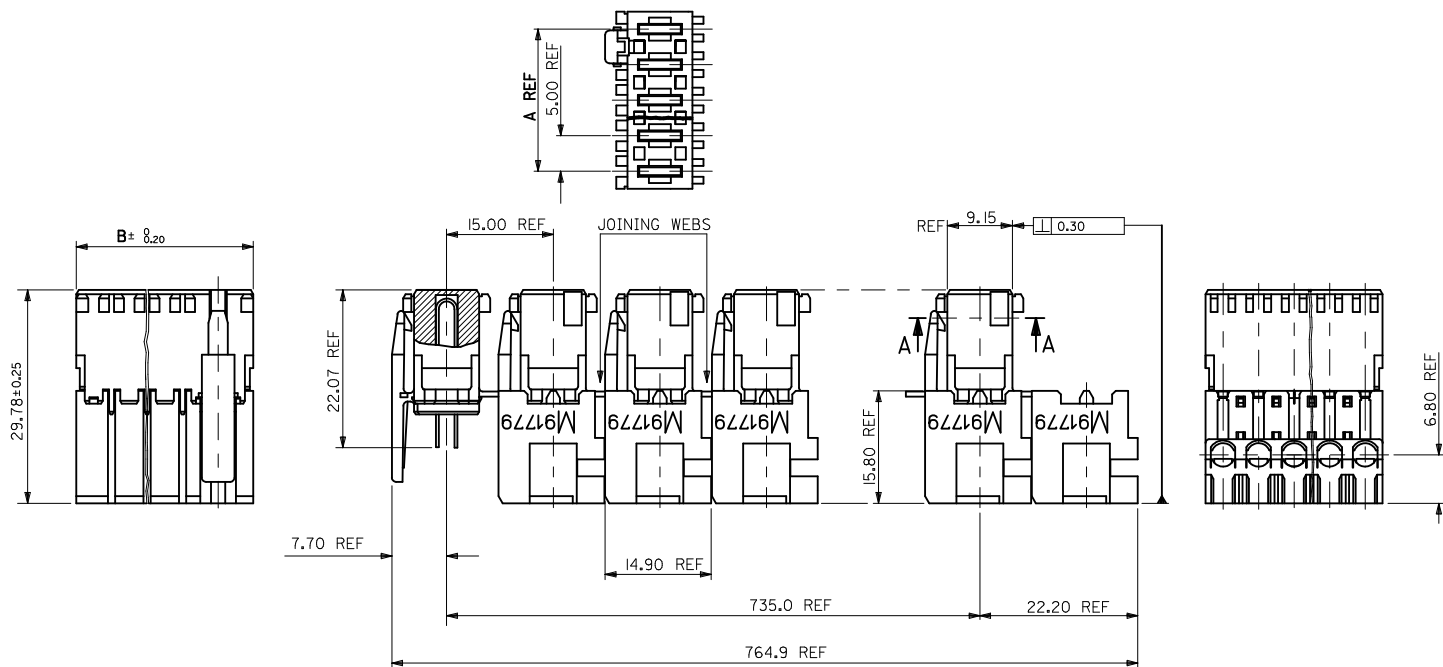
Description	Product #
RAST 5.0 Semi-Automatic Terminator Machine for Appli-Mate™ Connector 12 and 16 AMP	0623006100

Reference - Drawing Numbers

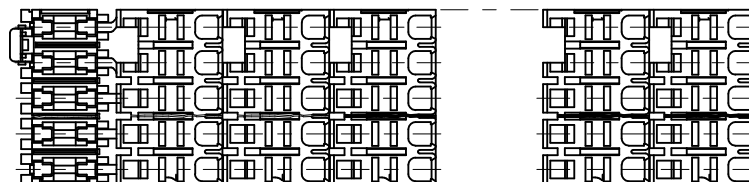
Application Specification	AS-99033-0004
Packaging Specification	PK-90833-001
Product Specification	PS-99020-0037
Sales Drawing	SD-91779-001

This document was generated on 05/28/2010

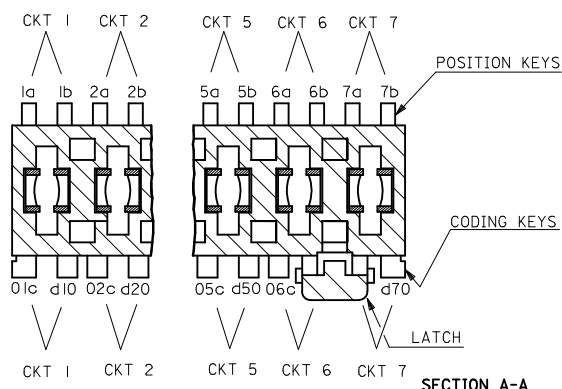
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CKT SIZE	A	B
2	5.00	9.90
3	10.00	14.90
4	15.00	19.90



- NOTES:
- MATERIALS:
HOUSING: PA 6, UL94 V-2
COLOUR: SEE SHEET 2
TERMINAL: PHOSPHOR BRONZE, (0.50) / 0.20 THICK REF
PLATING: (2 µm) / 79 µm MIN SILVER IN CONTACT AREA
(0.10 µm) / 0.04 µm MIN SILVER FLASH ALLOWER
 - PRODUCT CONFORMS TO SPECIFICATION PS-99020-0037
 - ACCEPTS CABLE, PER ES-99036-0010
 - SEE SUBSEQUENT SHEETS FOR PART NUMBERS SHOWING THE VARIOUS CODING, KEYING AND LATCHING OPTIONS.
 - PACKAGING SPECIFICATION PK-90833-001
 - APPLICATION SPECIFICATION AS-99033-0004



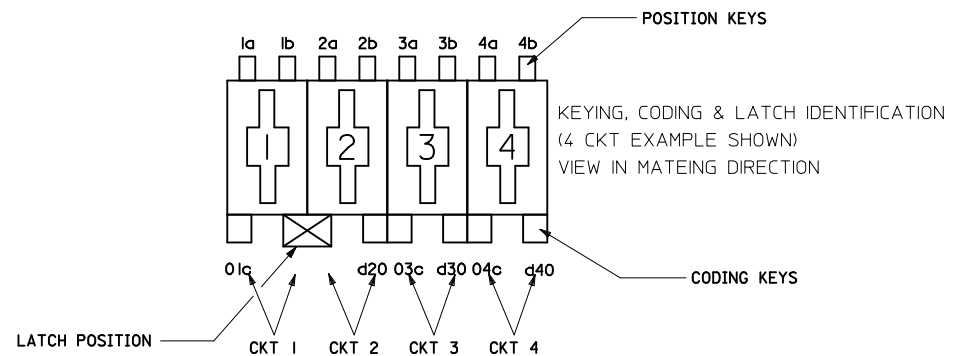
SECTION A-A

KEYING, CODING, & LATCH IDENTIFICATION (7 CKT EXAMPLE SHOWN)

NEW PN EC NO: E2010-0363 DRWN: BRUTTE 2010/04/29 CHKD: BMAGUIE 2005/01/07 APPR: BMAGUIE 2010/05/18	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) 4 PLACES ± --- 3 PLACES ± --- 2 PLACES ± 0.05 1 PLACE ± 0.1 ANGULAR ± ---° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY DATE CHECKED BY DATE APPROVED BY DATE MATERIAL NO. SIZE A2	SCALE 1:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE RAST 5 INDIRECT FEMALE ASSEMBLY 16 AMPS MOLEX INCORPORATED SD-91779-001	SHEET NO. 1 OF 4

13	12	11	10	9	8	7	6	5	4	3	2	1
MOLEX PART NO.	CIRCUIT SIZE	COLOUR	POSITION KEYS	CODING KEYS	LATCH POSITION	CONFIGURATION	REF.	colour stripe				
91779-0001	2	NATURAL	ALL	ALL	1/2		K00	NONE				
91779-0002	2	NATURAL	1b, 2a	ALL	1/2		K01	NONE				
91779-0003	2	NATURAL	1a, 2b	d20	1/2		K05	NONE				
91779-0004	2	NATURAL	1a	ALL	1/2		K12	NONE				
91779-0005	2	NATURAL	1a, 2b	ALL	1/2		K48	BLUE				
91779-0006	2	PINK	ALL	NONE	1/2		K41	NONE				
91779-0007	2	NATURAL	2a	01c	1/2		K42	NONE				
91779-0008	2	PINK	ALL	d20	1/2		K34	NONE				
91779-0009	2	PINK	ALL	NONE	1/2		K41	NONE				
91779-0010	2	BLACK	ALL	NONE	1/2		K41	NONE				
91779-0011	2	NATURAL	1a	d20	1/2		K66	NONE				
91779-0012	2	NATURAL	1b	ALL	1/2		K16	NONE				
91779-0013	2	NATURAL	1a	NONE	1/2		K70	NONE				
91779-0014	2	NATURAL	1b 2a 2b	d20	1/2		N/A	NONE				
91779-0015	2	NATURAL	ALL	d20	1/2		K34	NONE				
91779-0016	2	NATURAL	ALL	01c	1/2		K33	NONE				
91779-0017	2	RED	1a 1b 2b	NONE	1/2		K43	NONE				
91779-0018	2	NATURAL	1b 2b	01c	1/2		K09	NONE				
91779-0019	2	NATURAL	1b 2b	01c	1/2		N/A	GREEN				

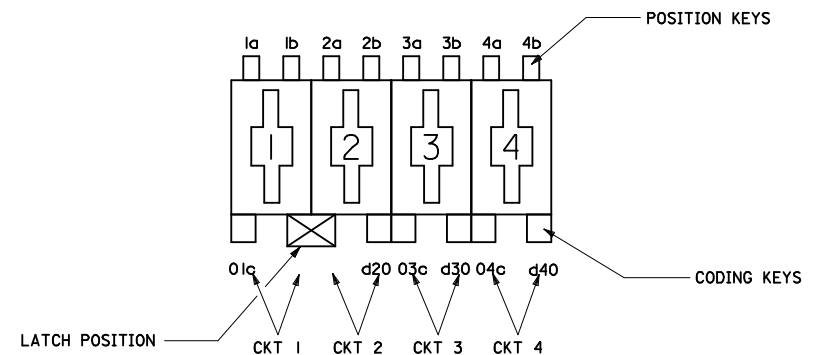
MOLEX PART NO.	CIRCUIT SIZE	COLOUR	POSITION KEYS	CODING KEYS	LATCH POSITION	CONFIGURATION	REF.	colour stripe
91779-0020	2	NATURAL	1a 2b	d20	1/2		K--	GREEN
91779-0021	2	NATURAL	2a	01c d20	1/2		K--	BLACK
91779-0022	2	NATURAL	1b	02c	1/2		K--	RED
91779-0023	2	NATURAL	1b 2b	01c	1/2		K--	BLUE
91779-0024	2	NATURAL	1b 2b	01c	1/2		K--	ORANGE
91779-0025	2	NATURAL	1a 1b	d20	1/2		K--	NONE
91779-0026	2	NATURAL	1a 2b	01c	1/2		K--	NONE
91779-0027	2	BLACK	1a 2b	NONE	1/2		K06	NONE



SEE SHEET 1 EC NO: E2010-0363 2010/04/29 DRW:BRUTLE 2005/01/07 CHK:BMAGUIE APPR:BMAGUIE 2010/05/18	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.05 ± --- 1 PLACE ± 0.1 ± ---	mm INCH ± --- ± --- ± 0.05 ± --- ± 0.1 ± ---	DRAWN BY GMCSWEEN 2004/10/14	DATE 2004/10/14	TITLE RAST 5 INDIRECT FEMALE ASSEMBLY 16 AMPS		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		CHECKED BY BMAGUIE 2005/01/07	DATE 2005/01/07	MOLEX INCORPORATED		
		MATERIAL NO. SEE TABLES		APPROVED BY BMAGUIE 2005/01/07	DATE 2005/01/07	DOCUMENT NO. SD-91779-001		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

MOLEX PART NO.	CIRCUIT SIZE	COLOUR	POSITION KEYS	CODING KEYS	LATCH POSITION	CONFIGURATION	REF.	colour stripe
91779-0101	3	NATURAL	ALL	ALL	1/2		K00	NONE
91779-0102	3	NATURAL	ALL	ALL	2/3		K90	NONE
91779-0103	3	NATURAL	1b	01c d20	1/2		K01	NONE
91779-0104	3	NATURAL	2a	d10 d30	2/3		K44	NONE
91779-0105	3	NATURAL	3b	02c, d30	2/3		N/A	NONE
91779-0106	3	NATURAL	NONE	NONE	1/2		k59	NONE
91779-0107	3	NATURAL	1b	01c, d20	1/2		k01	RED
91779-0108	3	NATURAL	1a	01c, d20	1/2		K154	NONE
91779-0109	3	PINK	ALL	NONE	2/3		K39	NONE
91779-0110	3	PINK	2b, 3b	d10	2/3		K84	NONE
91779-0111	3	NATURAL	2b, 3a	d10, d30	2/3		N/A	NONE
91779-0112	3	PINK	ALL	NONE	2/3		k39	NONE
91779-0113	3	PINK	ALL	d10	2/3		K41	NONE
91779-0114	3	NATURAL	ALL	d10	2/3		K41	NONE
91779-0115	3	NATURAL	NONE	03c	1/2		K72	NONE
91779-0116	3	NATURAL	1a 1b	d30	1/2		K05	NONE
91779-0117	3	NATURAL	2a	d10 02c d30	2/3		N/A	NONE
91779-0118	3	NATURAL	2a	d10	2/3		N/A	NONE

MOLEX PART NO.	CIRCUIT SIZE	TERMINAL VOID POSITION	COLOUR	POSITION KEYS	CODING KEYS	LATCH POSITION	CONFIGURATION	REF.	COLOUR STRIP
91779-0119	3	NONE	NATURAL	2a	01c d30	1/2		N/A	NONE
91779-0120	3	NONE	NATURAL	2b 3b	d30	2/3		N/A	NONE
91779-0121	3	NONE	NATURAL	NONE	01c d30	1/2		N/A	NONE
91779-0122	3	NONE	RED	1b 2a 2b 3b	NONE	2/3		k124	NONE
91779-0123	3	CKT 2	RED	2b 3b	d10	2/3		k84	NONE
91779-0124	3	NONE	NATURAL	NONE	d10 02c d30	2/3		N/A	NONE



KEYING, CODING & LATCH IDENTIFICATION
(4 CKT EXAMPLE SHOWN)
VIEW IN MATING DIRECTION

SEE SHEET 1 EC NO: E2010-0363 2010/04/29 DRW:BRUTLE CHK:BMAGUIE 2005/01/07 APPR:BMAGUIE 2010/05/18	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		4 PLACES ± --- 3 PLACES ± --- 2 PLACES ± 0.05 1 PLACE ± 0.1	mm INCH	DRAWN BY G MCSWEEN 2004/10/14	DATE 2004/10/14	TITLE RAST 5 INDIRECT FEMALE ASSEMBLY 16 AMPS			
		ANGULAR ± ---°	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	CHECKED BY BMAGUIE 2005/01/07	DATE 2005/01/07	MOLEX INCORPORATED			
		MATERIAL NO. SEE TABLES	APPROVED BY BMAGUIE 2005/01/07	DATE 2005/01/07	DOCUMENT NO. SD-91779-001	SHEET NO. 3 OF 4			

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