

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0917790011](#)
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, Code Key d20, Reference K66

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

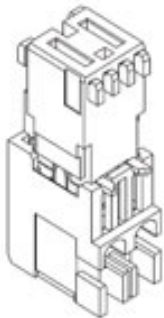
Physical

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



Series

image - Reference only

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

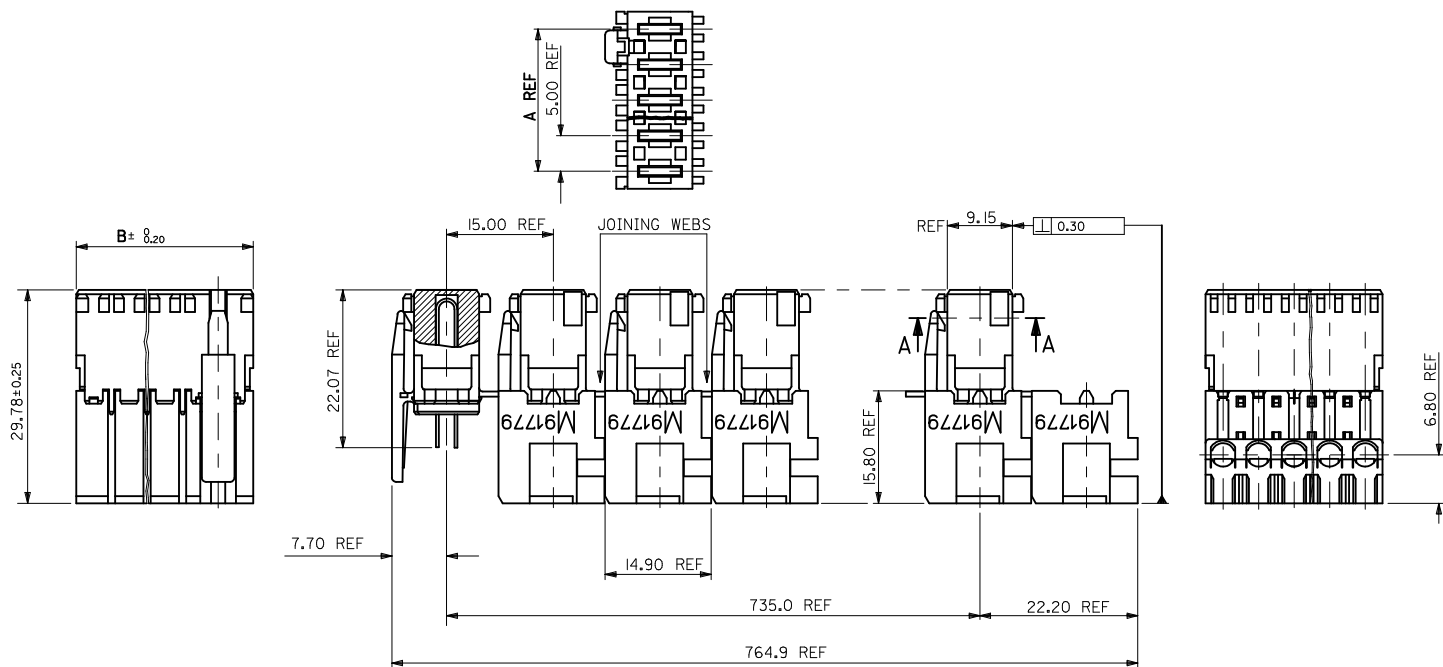
[90858](#) RAST Vertical Header,

Reference - Drawing Numbers

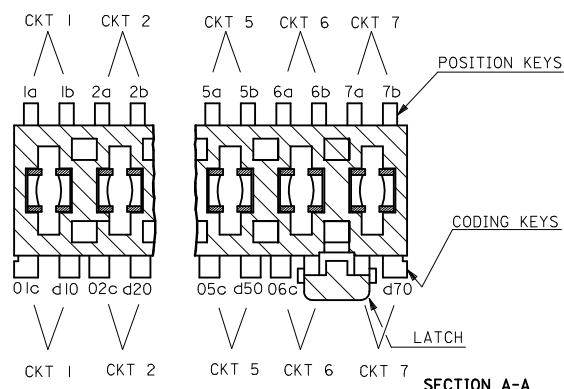
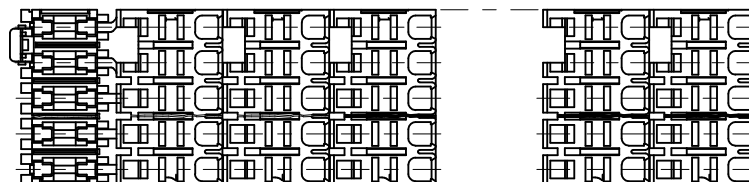
Application Specification	AS-99033-0004
Packaging Specification	PK-90833-001
Product Specification	PS-99020-0037
Sales Drawing	SD-91779-001

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



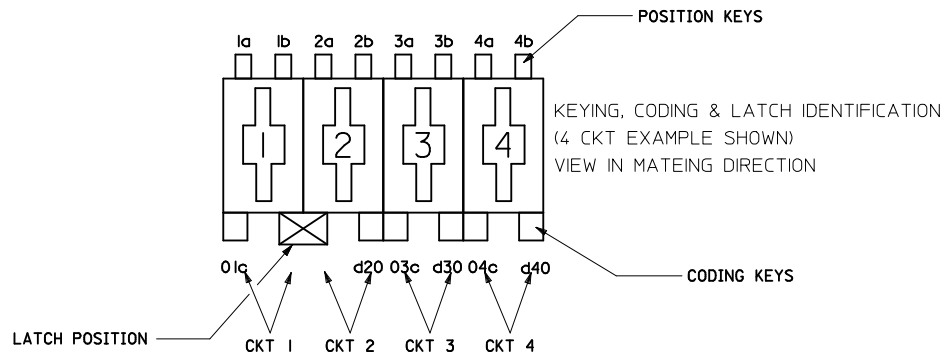
KEYING, CODING, & LATCH IDENTIFICATION
(7 CKT EXAMPLE SHOWN)

- NOTES:
1. MATERIALS:
HOUSING: PA 6, UL94 V-2
COLOUR: SEE SHEET 2
TERMINAL: PHOSPHOR BRONZE, (0.50) ± 0.020 THICK REF
PLATING: (2 µm) / 79 µm MIN SILVER IN CONTACT AREA
(0.10 µm) / 0.04 µm MIN SILVER FLASH ALLOW
 2. PRODUCT CONFORMS TO SPECIFICATION PS-99020-0037
 3. ACCEPTS CABLE, PER ES-99036-0010
 4. SEE SUBSEQUENT SHEETS FOR PART NUMBERS SHOWING THE VARIOUS CODING, KEYING AND LATCHING OPTIONS.
 5. PACKAGING SPECIFICATION PK-90833-001
 6. APPLICATION SPECIFICATION AS-99033-0004

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)	DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
			mm	INCH	TITLE				
			4 PLACES ± ---	± ---	DRAWN BY GMC/SWEEN			DATE 2004/10/14	
			3 PLACES ± ---	± ---	CHECKED BY BMAGUIE			DATE 2005/01/07	
			2 PLACES ± 0.05	± ---	APPROVED BY BMAGUIE			DATE 2005/01/07	
			1 PLACE ± 0.1	± ---	MATERIAL NO.			DOCUMENT NO.	
			ANGULAR ± ---°		SEE FOLLOWING SHEETS			SD-91779-001	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A2			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
								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				

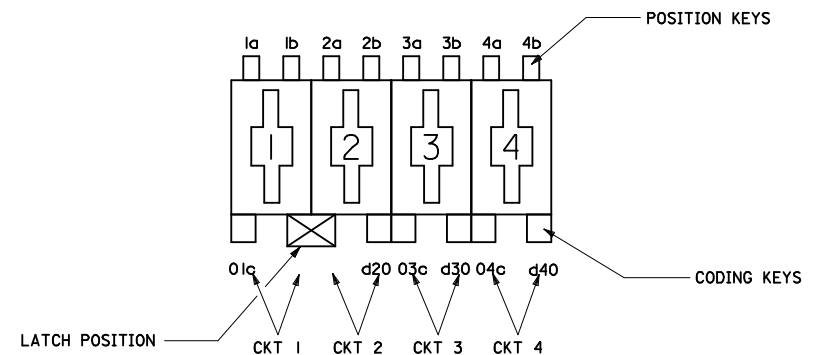
MOLEX PART NO.	CIRCUIT SIZE	COLOUR	POSITION KEYS	CODING KEYS	LATCH POSITION	CONFIGURATION	REF.	colour stripe
91779-0020	2	NATURAL	1a 2b	d20	1/2		K--	GREEN
91779-0021	2	NATURAL	2a	01c d20	1/2		K--	BLACK
91779-0022	2	NATURAL	1b	02c	1/2		K--	RED
91779-0023	2	NATURAL	1b 2b	01c	1/2		K--	BLUE
91779-0024	2	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 CHKD: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

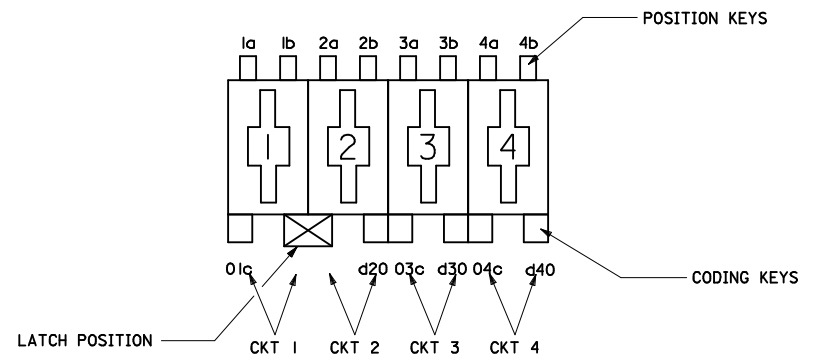


KEYING, CODING & LATCH IDENTIFICATION (4 CKT EXAMPLE SHOWN) VIEW IN MATING DIRECTION

SEE SHEET 1 EC NO: E2010-0363 DRWN:BRUTLE 2010/04/29 CHKD:BMAGUIE 2005/01/07 APPR:BMAGUIE 2010/05/18	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
	▽=0 ▽=0	mm	INCH	DRAWN BY GMC/SWEEN	DATE 2004/10/14	TITLE RAST 5 INDIRECT FEMALE ASSEMBLY 16 AMPS				
		4 PLACES ± ---	± ---	CHECKED BY BMAGUIE	DATE 2005/01/07					
		3 PLACES ± ---	± ---	APPROVED BY BMAGUIE	DATE 2005/01/07	molex MOLEX INCORPORATED				
		2 PLACES ± 0.05	± ---	MATERIAL NO.			DOCUMENT NO.			
1 PLACE ± 0.1	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLES		SD-91779-001		SHEET NO. 3 OF 4		
REV	SIZE A2	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

13	12	11	10	9	8	7	6	5	4	3	2	1
J												J
I												I
H												H
G												G
F												F
E												E
D												D
C												C
B												B
A												A

MOLEX PART NO.	CIRCUIT SIZE	COLOUR	POSITION KEYS	CODING KEYS	LATCH POSITION	CONFIGURATION	REF.
91779-0201	4	NATURAL	ALL	ALL	1/2 , 3/4		K00
91779-0202	4	NATURAL	1b	03c d40	1/2 , 3/4		K01
91779-0203	4	NATURAL	1a 3a 3b	01c d20 d40	1/2 , 3/4		K32
91779-0204	4	NATURAL	NONE	d20	1/2		K127
91779-0205	4	NATURAL	2a, 4b	d20	1/2, 3/4		N/A
91779-0206	4	NATURAL	2b	d20	1/2, 3/4		N/A
91779-0207	4	NATURAL	3a	01c d20 03c d40	3/4		N/A
91779-0208	4	NATURAL	3a	01c d20 03c d40	1/2 3/4		N/A
91779-0209	4	NATURAL	1a 2b 3b 4b	ALL	2/3		N/A
91779-0210	4	NATURAL	1a 1b 2b 3a 3b 4b	d20 d40	1/2 3/4		N/A



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

SEE SHEET 1 EC NO: E2010-0363 DRAWN BY: 2010/04/29 CHKD: BMAGUIE 2005/01/07 APPR: BMAGUIE 2010/05/18	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
				mm	INCH	DRAWN BY GMC SWEEN	DATE 2004/10/14	TITLE RAST 5 INDIRECT FEMALE ASSEMBLY 16 AMPS		
				4 PLACES ± --- ± ---	CHECKED BY BMAGUIE	DATE 2005/01/07	MATERIAL NO. SD-91779-001			
				3 PLACES ± --- ± ---	APPROVED BY BMAGUIE	DATE 2005/01/07	DOCUMENT NO.			
				2 PLACES ± 0.05 ± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					
				1 PLACE ± 0.1 ± ---	SEE TABLES					
				ANGULAR ± ---°		SIZE A2		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		