

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China







3M[™] Pak 10 Socket

1 mm Straight and Right Angle, Surface Mount

PK10 Series



- 1 mm pitch connector system
- Stacked, Horizontal or Vertical Mating
- Low profile 5 mm mated height
- Surface mount retention clips reduce stress on surface mount leads
- Keyed design helps prevent mating misalignment
- Hard Tray and Vacuum pickup for automated assembly placement
- RoHS Compliant. See the Regulatory Information
- Appendix (RIA) in the "RoHS Compliance" section of www.3Mconnector.com for compliance information (RIA E1 and C1 apply)

Date Modified: August 27, 2010

TS-1077-E Sheet 1 of 4

Physical

Insulation:

Material: Glass Filled LCP

Flammability: UL 94V-0

Color: White

Materials:

Contact: Copper Alloy

Retention Clips: Copper Alloy

Contact Plating:

Underplating: 120 μ" [3.0 μm] Nickel Wiping Area: 2 μ" [0.05 μm] min. Gold

Solder Tails: Gold Flash

Retention Clip Plating: Gold Flash over 120 μ" [3.0 μm] Nickel

Marking: Orientation Triangle

Electrical

Current Rating: 0.5 A

Contact Resistance: $50 \text{ m}\Omega$ max

Insulation Resistance: $1 \times 10^3 \,\mathrm{M}\Omega$ min at $500 \,\mathrm{V}_{DC}$

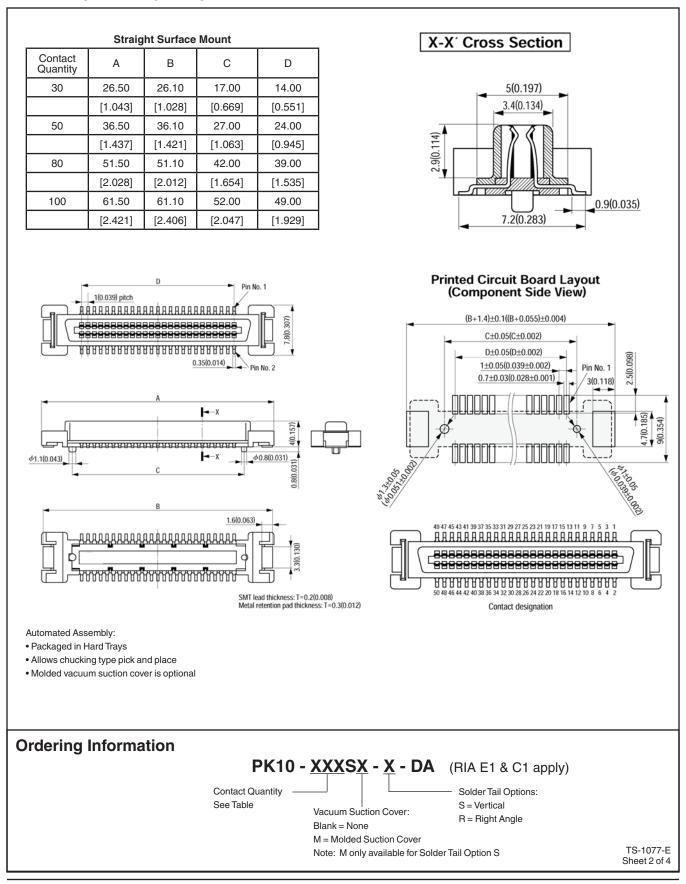
Dielectric withstanding Voltage: 315 V_{AC} for 1 minute

Environmental

Temperature Rating: -55°C to +85°C

Process Rating: 260°C per J-STD-020C

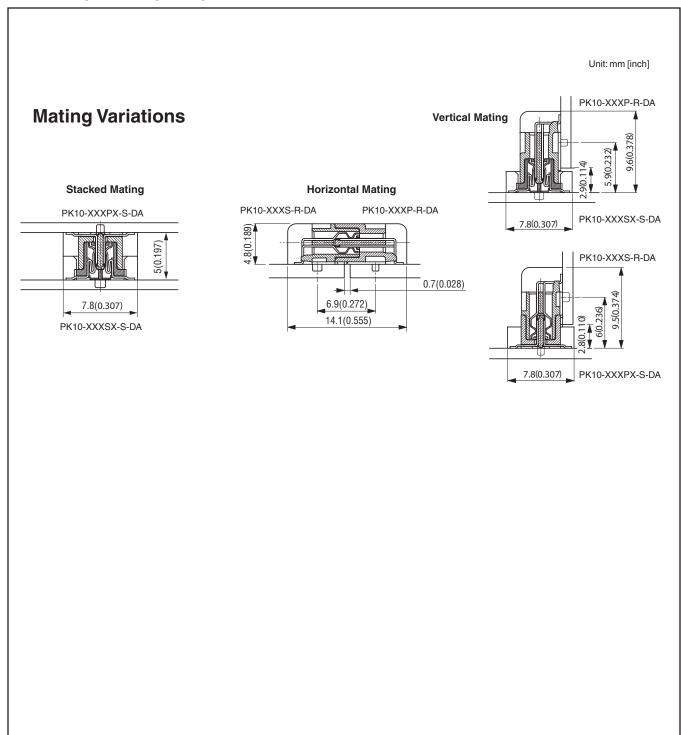
1 mm Straight and Right Angle, Surface Mount



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	19	ingle Surfa	ce Mount m	m [inch]		X-X´ Cross Section
Contact Quantity	A	В	С	D	E	2.9(0.114)
30	26.50	26.10	17.00	14.50	14.00	2.5(0.114)
	[1.043]	[1.028]	[0.669]	[0.571]	[0.551]	1.5(0.059)
50	36.50	36.10	27.00	24.50	24.00	
	[1.437]	[1.421]	[1.063]	[0.965]	[0.945]	
80	51.50	51.10	42.00	39.50	39.00	001.00
	[2.028]	[2.012]	[1.654]	[1.555]	[1.535]	2.55(0.100)
100	61.50	61.10	52.00	49.50	49.00	55
	[2.421] [[2.406]	[2.406] [2.047]	[1.949]	[1.929]	1.1(0.043
120	71.5	71.1	63.0	60.00	59.0	
	[2.815]	[2.799]	[2.480]	[2.362]	[2.323]	5(0.197)
						(Component Side View) (B+1.4)±0.1((B+0.055)±0.004) C±0.05(C±0.002)
0000	A. 0.39) pitch X. C.			3.9(0.154)	(0.126)	(B+1.4)±0.1((B+0.055)±0.004) C±0.05(C±0.002) D±0.05(D±0.002) 0.3±0.03 (0.012±0.001) Pin No. 1
0.043)	A. 0.39) pitch E		1.6(0.063)	3.9(0.154)	3.2(0.126)	(B+1.4)±0.1((B+0.055)±0.004) C±0.05(C±0.002) D±0.05(D±0.002) 0.3±0.03 (0.012±0.001) 0.5±0.05 (0.020±0.002) Pin No. 1

TS-1077-E Sheet 3 of 4 1 mm Straight and Right Angle, Surface Mount



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6801 River Place Blvd. Austin, TX 78726-9000

www.3Mconnector.com

U.S.A. 1-800-225-5373

3M Electronics Solutions Division