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: December 11, 2017

TS-1077-F 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: $50 \text{ m}\Omega \text{ max}$

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

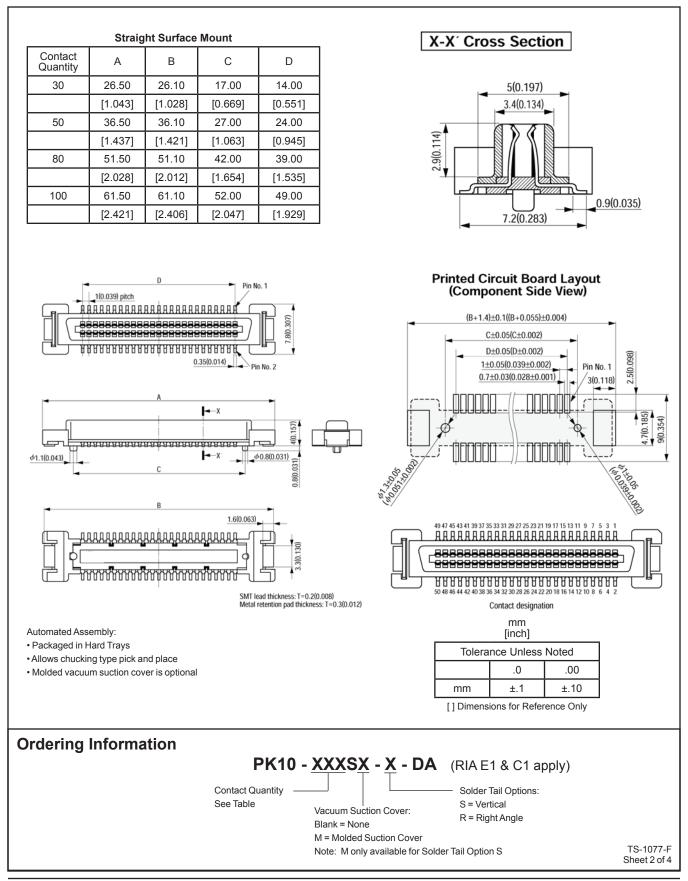
Dielectric withstanding Voltage: 315 V_{AC} for 1 minute

Environmental

Temperature Rating: -55°C to +85°C

Process Rating: 260°C per J-STD-020C

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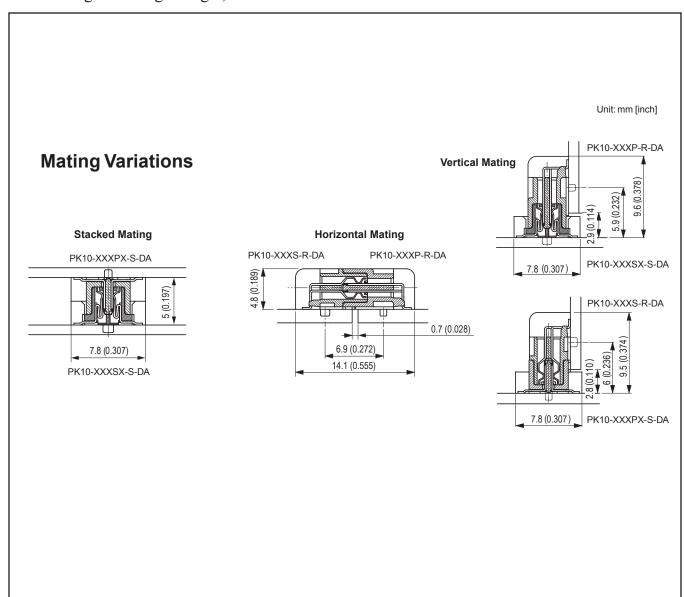


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	Right A	.ngle Surfa	ce Mount m	m (inch)		V V Cross Section
Contact	A	В	С	D	Е	X-X´ Cross Section
Quantity 30	26.50	26.10	18.00	14.50	14.00	2.9(0.114)
	[1.043]	[1.028]	[0.709]	[0.571]	[0.551]	1.5(0.059)
50	36.50	36.10	28.00	24.50	24.00	1.5(0.033)
	[1.437]	[1.421]	[1.102]	[0.965]	[0.945]	
80	51.50	51.10	43.00	39.50	39.00	0.22(0.009)
	[2.028]	[2.012]	[1.693]	[1.555]	[1.535]	25 1 10 10 10 10 10 10 10 10 10 10 10 10 1
100	61.50	61.10	53.00	49.50	49.00	1.1(0.043)
	[2.421]	[2.406]	[2.087]	[1.949]	[1.929]	
120	71.5	71.1	63.0	59.50	59.0	
	[2.815]	[2.799]	[2.480]	[2.343]	[2.323]	5(0.197)
2000	039) pitch		φ0.8(c	0.8(0.031) 4 8(0.189)	3.20.126	0.000 0.000
mated Assemb ckaged in Hard t surface allows	Trays		SMT lea	d thickness: T=0.22(0.	009) T=0.3(0.012)	Pin No. 80 Pin No. 1 Pick and place vacuum surface Contact designation
						TS-1077

Sheet 3 of 4

1 mm Straight and Right Angle, Surface Mount



TS-1077-F Sheet 4 of 4 Regulatory: For regulatory information about this product, contact your 3M representative.

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