3M[™] Pak 50 Boardmount Plug

.050" Straight and Right Angle, Through-Hole



- P50E Plug offers straight and right angle through-hole options
- Right angle P50E Plug comes with and without retention clips
- Latch/eject mechanism maintains a secure connection
- Mates to the P50E wiremount socket
- RoHS* compliant

Date Modified: December 13, 2006

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Physical

Insulation

Material:Glass Filled NylonFlammability:UL 94V-0Color:BlackContactCopper AlloyMaterial:Copper AlloyPlatingNickelUnderplating:10 μ" [0.25 μm] GoldSolder Tails:Gold FlashRetention Clips:Tin-Copper

Electrical

Current Rating:0.5 AInsulation Resistance: $10^3 \Omega$ at 500 V_{DC}Withstanding Voltage: 650 V_{AC} for 1 minute

Environmental

Temperature Rating: -55°C to +85°C Process Rating: 260°C (ref J-STD-020C)

"RoHS compliant" means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material, unless the substance is in an application that is exempt under RoHS: (a) 0.1% (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01% (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's knowledge and belief based upon information provided by third party suppliers to 3M.

3M Interconnect Solutions http://www.3M.com/interconnects/

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Contact Quantity	Α	В	с	D		Contact Quantity	Α	В	С	D
20	27.83	22.86	15.83	11.43		50	46.88	41.91	34.88	30.48
26 30	[1.096]	[0.900]	[0.623]	[0.450]			[1.846]	[1.650]	[1.373]	[1.200]
	31.64	26.67	19.64	15.24		52	48.15	43.18	36.15	31.75
	[1.246]	[1.050]	[0.773]	[0.600]			[1.896]	[1.700]	[1.423]	[1.250]
	34.18	29.21 [1.150]	22.18 [0.873]	17.78 [0.700]		60	53.23 [2.096]	48.26 [1.900]	41.23	36.83 [1.450]
32	[1.346] 35.45	30.48	23.45	19.05		68	58.31	53.34	[1.623] 46.31	41.91
34	[1.396]	[1.200]	[0.923]	[0.750]			[2.296]	[2.100]	[1.823]	[1.650]
	36.72	31.75	24.72	20.32		80	65.93	60.96	53.93	49.53
	[1.446]	[1.250]	[0.973]	[0.800]			[2.596]	[2.400]	[2.123]	[1.950]
40	40.53	35.56	28.53	24.13		100	78.63	73.66	66.63	62.23
	[1.596]	[1.400]	[1.123]	[0.950]			[3.096]	[2.900]	[2.623]	[2.450]
1.75(0.069) 1.75(0.069) 1.75(0.069) 1.75(0.069) 1.75(0.069) 1.003						<u>S</u>	itraight Plug	L		
For 20.32, 40, 52, 60, 68, 80, 100 contacts Connecte Outline 00000 0000 0000 0000 00						 } <u>}</u>		Pola	rity	
(00110)EE(9)b10) 2.402.3±0.1 (2.40.091±0.004 ▼=Polarity identificat Recommended PCB T "n" is number of cont	$\begin{array}{c} \text{Connector Out} \\ n-1 \\ \hline \\ \hline \\ \\ \hline \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ $	1.27±0.05 6 0.050±0.002) 1.1(D±0.006) A	1.305±0.02 1.305±0.02 (0.075±0.002) (0.075±0.002) (0.225±0.002)				ABDD		2-\$\phi_2.3(2-\$\phi_0.09)	1) 1) 1.4(0.055)
ering Inf	ormati	on	P50E	- XXXF	1 - <u>XX</u>	<u>X</u> - EA				
	ontact Quant ee Table	ity ———								
				ut Retention						

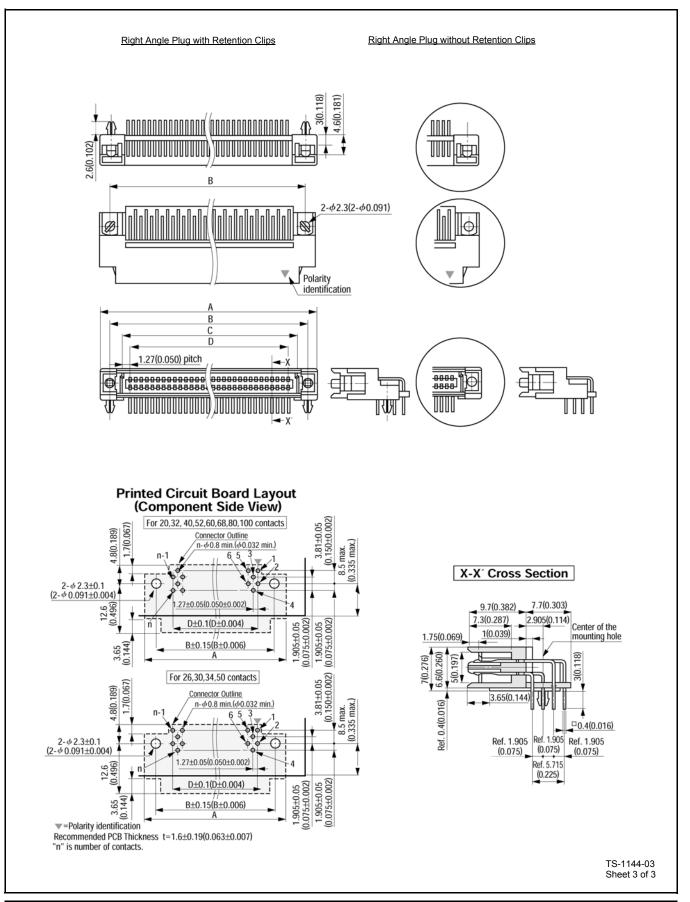
P50E Series



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P50E Series



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3M Electronics

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Minimum 10% Post-Consumer Fiber

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