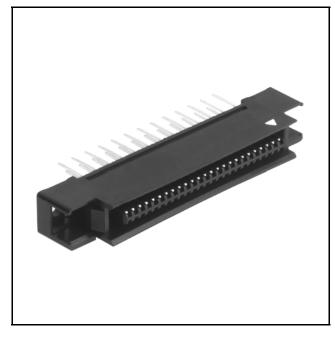
## 3M<sup>™</sup> Pak 50 Boardmount Plug

## .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

TS-1144-03 Sheet 1 of 3

### **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<sub>DC</sub>Withstanding Voltage: $650 \text{ V}_{AC}$  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<sup>™</sup> Pak 50 Boardmount Plug

## .050" Straight and Right Angle, Through-Hole

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Contact Quantity	Α	В	С	D		Contact Quantity	А	В	С	D
20	27.83	22.86	15.83	11.43		50	46.88	41.91	34.88	30.48
26	[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]
30 32 34	34.18	29.21	22.18	17.78		60	53.23	48.26	41.23	36.83
	[1.346]	[1.150]	[0.873]	[0.700]			[2.096]	[1.900]	[1.623]	[1.450]
	35.45	30.48	23.45	19.05		68	58.31	53.34	46.31	41.91
	[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
10	[1.446]	[1.250]	[0.973]	[0.800]		400	[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(						<u>s</u>	Straight Plug	L		
3.7 (0.146)3.3(0.130)	Connector	ent Side Vi 52,60,68,80,100 cc	ew) ontacts nin.) ontacts			).0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0	<u>)</u> <u>}</u> <u>}</u>			
2-¢2.3±0.1 (2-∲0.091±0.004	) (0 D±0 B±0. For 26.: Connector Out	6 1.27±0.05 0.050±0.002) 1.1(0±0.004) 1.5(6±0.006) A 30,34,50 contacts time - 00.8 min.(00.032 min.(00.033 min.(00.032	2001550000 1.30540.05 2.015540.02 1.305		-		A	Pola	îty ification	
(0000 (0000 (0000	n (0 $D\pm 0$ $B\pm 0$ . ion hickness t=1.6\pm 0.	5.3 1.27±0.05 6 4 .050±0.002) .1(0±0.004) 15(B±0.006) A	1,90540.05 (0.07540.002) (0.271540.002) (0.271540.002)				B C D D D D D D D D D D D D D D D D D D		2-\$\$2.3(2-\$\$\phi0.09)	1) .4(0.055)
ring Inf			P50E	- <b>XXX</b> P	1 - <u>XX</u>	X - EA				
	ee Table	Solder Tail/		out Retention (						

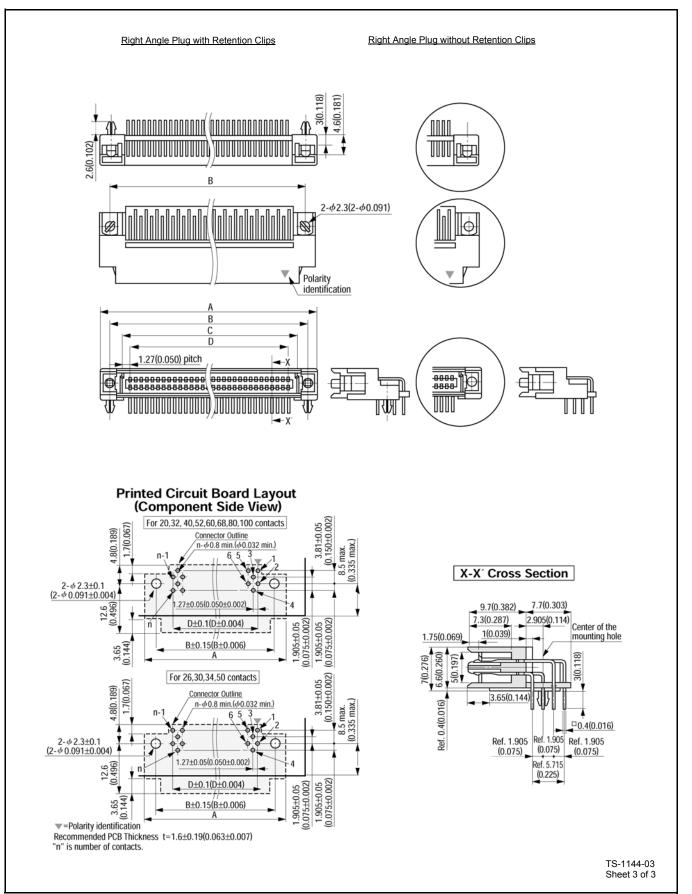
P50E Series

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# 3M<sup>™</sup> Pak 50 Boardmount Plug

.050" Straight and Right Angle, Through-Hole





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Minimum 10% Post-Consumer Fiber

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