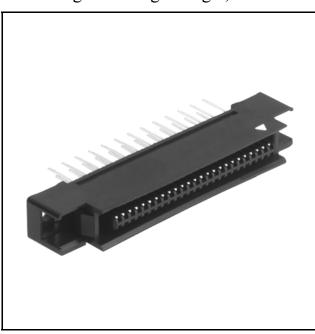
3M™ Pak 50 Boardmount Plug

.050" Straight and Right Angle, Thru-Hole

P50E Series



- P50E Plug offers straight and right angle thru-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* version (EA plating suffix) available

Date Modified: February 24, 2006

TS-1144-02 Sheet 1 of 3

Physical

Insulation

Material: Glass Filled Nylon

Flammability: UL 94V-0

Color: Black

Contact

Material: Copper Alloy

Plating

Underplating: Nickel

Wiping Area: $10 \mu'' [0.25 \mu m]$ Gold

Solder Tails: Tin Alloy over Nickel or Gold Flash (RoHS compliant)(see ordering information)

Retention Clips: Tin Lead or Tin-Copper (RoHS compliant)

Electrical

Current Rating: 0.5 A

Insulation Resistance: $10^3 \Omega$ at 500 VDC **Withstanding Voltage:** 650 VAC 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 prolybromianted 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.

Interconnect Solutions

3M™ Pak 50 Boardmount Plug

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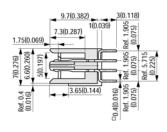
P50E Series

Product Table / Dimensions (For Straight and Right Angle)

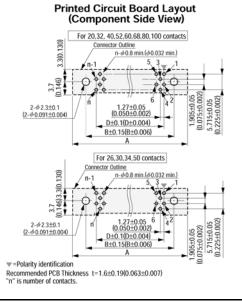
Contact Quantity	Α	В	С	D
20	27.83	22.86	15.83	11.43
	[1.096]	[0.900]	[0.623]	[0.450]
26	31.64	26.67	19.64	15.24
	[1.246]	[1.050]	[0.773]	[0.600]
30	34.18	29.21	22.18	17.78
	[1.346]	[1.150]	[0.873]	[0.700]
32	35.45	30.48	23.45	19.05
	[1.396]	[1.200]	[0.923]	[0.750]
34	36.72	31.75	24.72	20.32
	[1.446]	[1.250]	[0.973]	[0.800]
40	40.53	35.56	28.53	24.13
	[1.596]	[1.400]	[1.123]	[0.950]

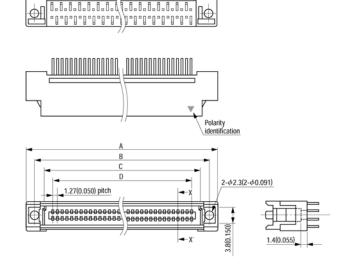
Contact Quantity	Α	В	С	D
50	46.88	41.91	34.88	30.48
	[1.846]	[1.650]	[1.373]	[1.200]
52	48.15	43.18	36.15	31.75
	[1.896]	[1.700]	[1.423]	[1.250]
60	53.23	48.26	41.23	36.83
	[2.096]	[1.900]	[1.623]	[1.450]
68	58.31	53.34	46.31	41.91
	[2.296]	[2.100]	[1.823]	[1.650]
80	65.93	60.96	53.93	49.53
	[2.596]	[2.400]	[2.123]	[1.950]
100	78.63	73.66	66.63	62.23
	[3.096]	[2.900]	[2.623]	[2.450]

X-X´ Cross Section

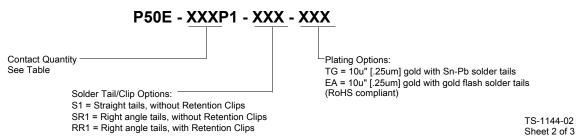


Straight Plug





Ordering Information

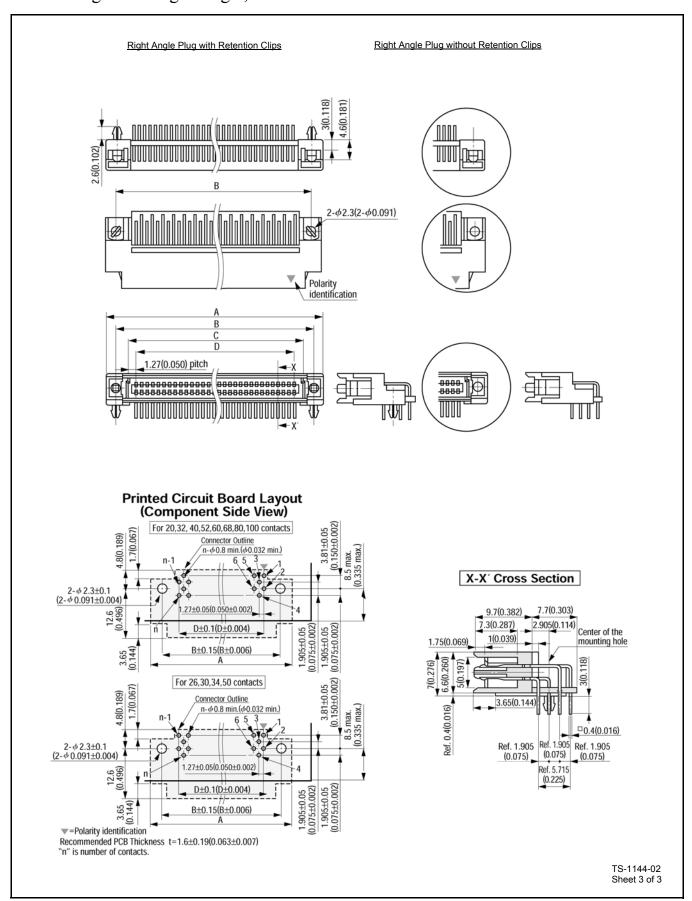


3M

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

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.050" Straight and Right Angle, Thru-Hole



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