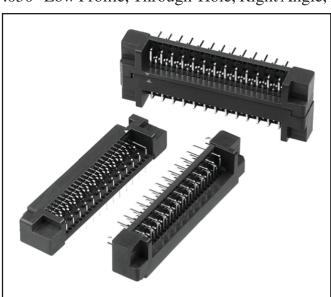
3M[™] Pak 50 Low Profile Plug

.050" Low Profile, Through-Hole, Right Angle, Boardmount

P50L Series



- Low profile 0.276" (7 mm) from PCB surface
- High temperature insulator compatible with IR and wave soldering
- Optional plug standoffs allow offset of mated board by 1.0 - 4.0 mm
- Retention clips stabilize connector to the board during wave soldering
- 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: February 10, 2010

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Physical

Insulator:

Material: Glass Filled PPS

Flammability: UL 94V-0

Color: Brown

Contact Material: Phosphor Bronze

Plating:

Underplating: Nickel

Wiping Area: Gold Flash

Solder Tails: Gold Flash

Retaining Clips: Tin-Copper

Mating Compatibility: TS-1146, TS-2054

Electrical

Current Rating: 0.5 A

Insulation Resistance: $> 1 \times 10^9 \,\Omega$ at $500 \,V_{DC}$ **Withstanding Voltage:** $650 \,V_{AC}$ for 1 minute

Environmental

Temperature Rating: -55°C to +85°C

Process Rating: 260°C MSL1 (per J-STD-020C)

UL File No.: E68080

P50L Series

.050" Low Profile, Through-Hole, Right Angle, Boardmount

				8			1 30L Serie
Product Table	/ Dimensi	ons for S	Straight v	with Flar	nges, wi	th or with	nout Retention Clips
Contact Quantity A	В	С	D	E	F	G	X-X' Cross Section
20 25.º [1.0		17.43 [0.686]	15.83 [0.623]	11.43 [0.450]	14.23 [0.560]	14.23 [0.560]	5.2(0.205) 5.8(0.228) Center of the mounting hole 4.4(0.173) 3.4(0.134) 2.905(0.114) 2.905(0.114) Ref. 1.905(0.075) Ref. 1.905(0.075)
30 31. [1.2		23.78 [0.936]	22.18 [0.873]	17.78 [0.700]	20.58 [0.810]	20.58 [0.810]	
40 38. [1.5		30.13 [1.186]	28.53 [1.123]	24.13 [0.950]	26.93 [1.060]	26.93 [1.060]	
50 44.4 [1.7		36.48 [1.436]	34.88 [1.373]	30.48 [1.200]	33.28 [1.310]	33.28 [1.310]	
60 50.i		42.83 [1.686]	41.23 [1.623]	36.83 [1.450]	39.63 [1.560]	39.63 [1.560]	
80 63.5 [2.5		55.53 [2.186]	53.93 [2.123]	49.53 [1.950]	52.33 [2.060]	52.33 [2.060]	
100 76.5 [3.0		68.23 [2.686]	66.63 [2.623]	62.23 [2.450]	65.03 [2.560]	65.03 [2.560]	Ref. 3.81(0.150)
120 88.5 [3.5	93 83.82 91] [3.300]	80.93 [3.186]	79.33 [3.123]	74.93 [2.950]	77.73 [3.060]	77.73 [3.060]	
For 20.40,60.80,100,120 contacts 1.27±0.05(0.050±0.002) 1.27±0.05(0.050±0.00							

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