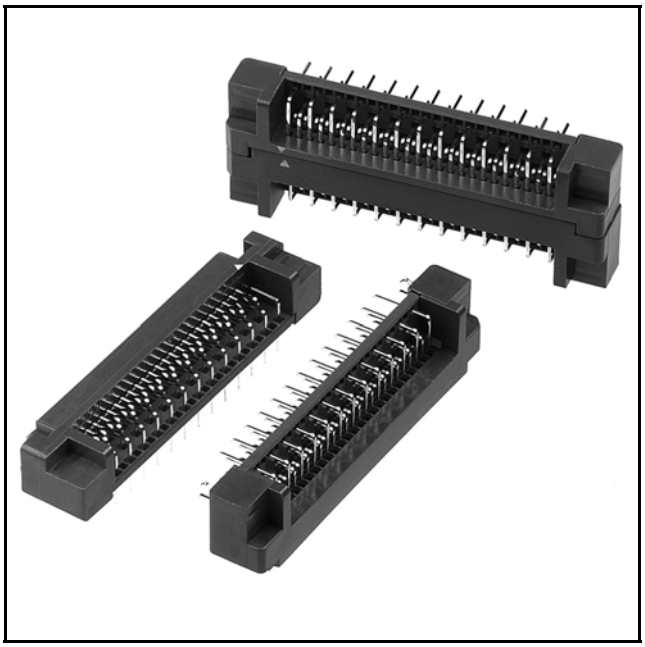
3M™ Pak 50 Low Profile Plug

.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

Date Modified: December 15, 2006

Physical

Insulation	
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
Retainer Clips:	Tin-Copper

Electrical

Current Rating:	0.5 A
Insulation Resistance:	10^3 Ω at 500 V_{DC}
Withstanding Voltage:	650 V_{AC} for 1 minute

Environmental

Temperature Rating:	-55°C to +85°C
Process Rating:	260°C (per 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 in writing by 3M, this information represents 3M's knowledge and belief based on information provided by third party suppliers to 3M.

UL File No.: E68080

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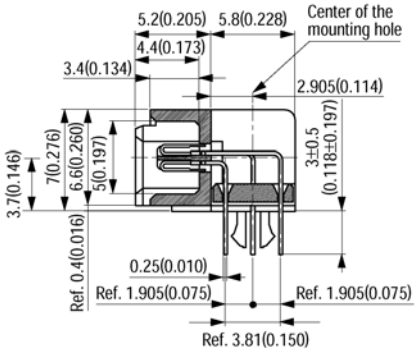
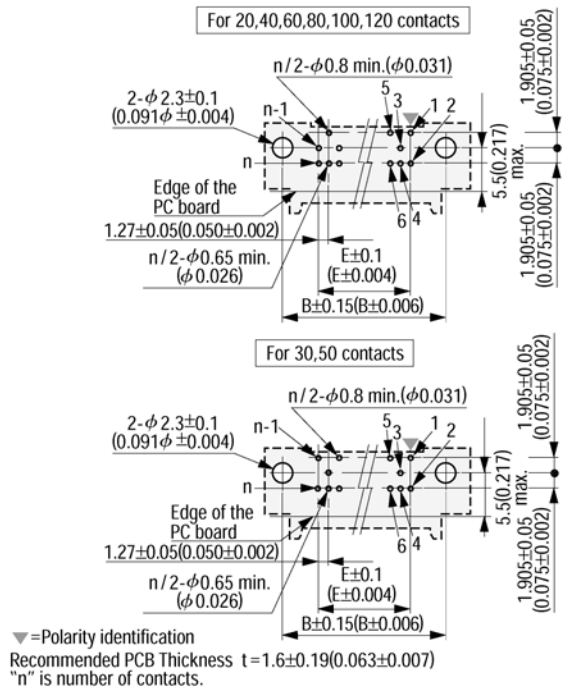
Product Table / Dimensions

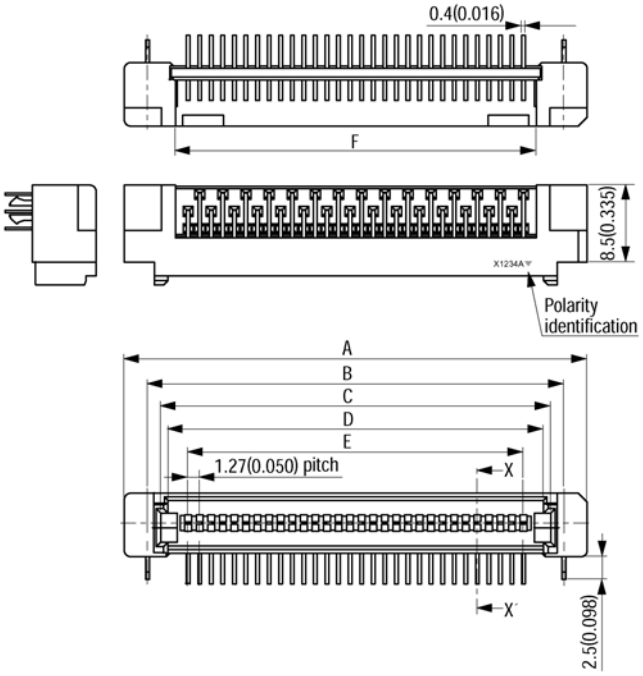
Contact Quantity	A	B	C	D	E	F
20	25.43	20.32	17.43	15.83	11.43	14.23
	[1.001]	[0.800]	[0.686]	[0.623]	[0.450]	[0.560]
30	31.78	26.67	23.78	22.18	17.78	20.58
	[1.251]	[1.050]	[0.936]	[0.873]	[0.700]	[0.810]
40	38.13	33.02	30.13	28.53	24.13	26.93
	[1.501]	[1.300]	[1.186]	[1.123]	[0.950]	[1.060]
50	44.48	39.37	36.48	34.88	30.48	33.28
	[1.751]	[1.550]	[1.436]	[1.373]	[1.200]	[1.310]
60	50.83	45.72	42.83	41.23	36.83	39.63
	[2.001]	[1.800]	[1.686]	[1.623]	[1.450]	[1.560]
80	63.53	58.42	55.53	53.93	49.53	52.33
	[2.501]	[2.300]	[2.186]	[2.123]	[1.950]	[2.060]
100	76.23	71.12	68.23	66.63	62.23	65.03
	[3.001]	[2.800]	[2.686]	[2.623]	[2.450]	[2.560]
120	88.93	83.82	80.93	79.33	74.93	77.73
	[3.501]	[3.300]	[3.186]	[3.123]	[2.950]	[3.060]

X-X′ Cross Section



Printed Circuit Board Layout (Component Side View)





Ordering Information

P50L - XXXP - RR1 - DA

Contact Quantity
See Table

TS-1161-03
Sheet 2 of 2

For technical, sales or ordering information call
800-225-5373

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