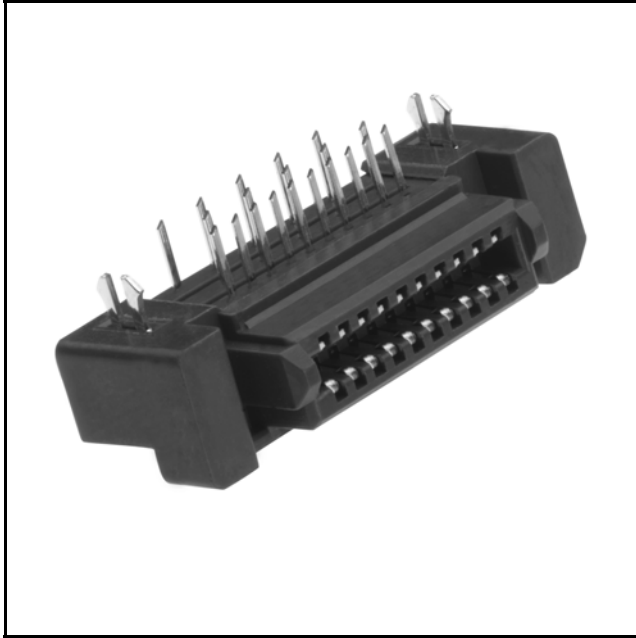


3M™ Pak 50 Low Profile Socket

050" Low Profile, Right Angle Stacking Socket

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 14, 2006

TS-1146-04
Sheet 1 of 2

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
Retaining Clips: Tin-Copper

Electrical

Current Rating: 0.5 A
Insulation 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 (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 by 3M in writing, this information represents 3M's knowledge and belief based upon information provided by third party suppliers to 3M.

UL File No.: E68080

3M™ Pak 50 Low Profile Socket

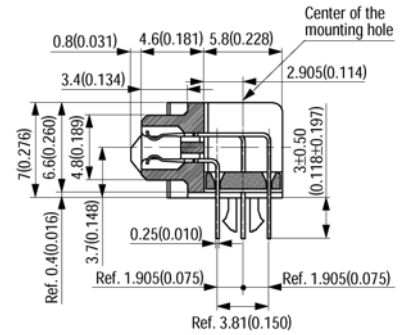
050" Low Profile, Right Angle Stacking Socket

P50L Series

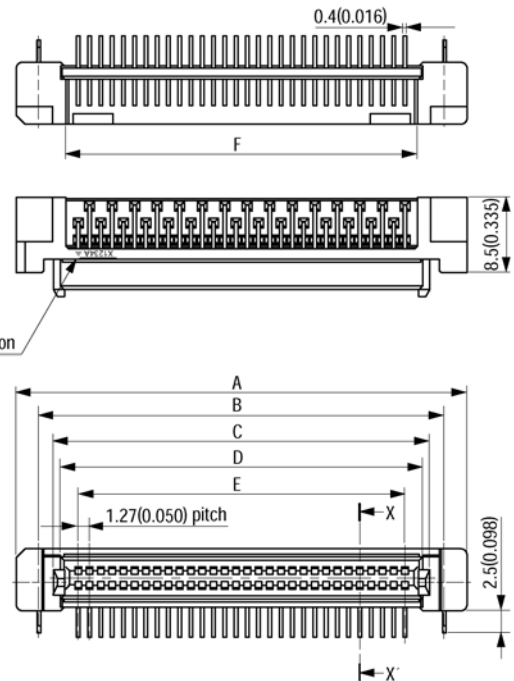
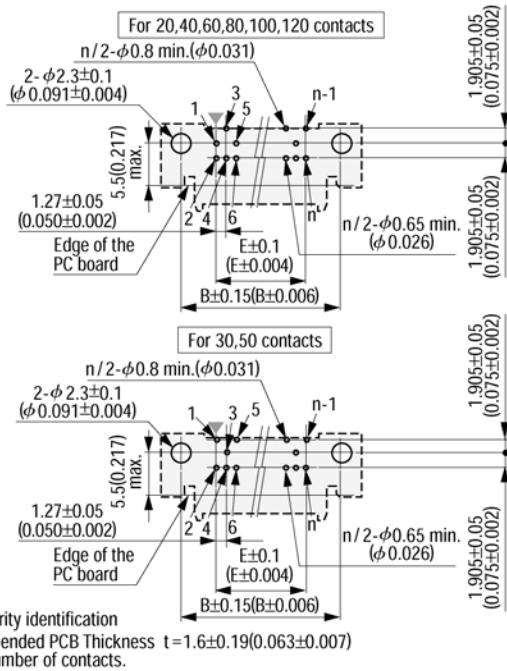
Product Table / Dimensions

Contact Quantity	A	B	C	D	E	F
20	25.43	20.32	17.03	15.43	11.43	14.23
	[1.001]	[0.800]	[0.670]	[0.607]	[0.450]	[0.560]
30	31.78	26.67	23.38	21.78	17.78	20.58
	[1.251]	[1.050]	[0.920]	[0.857]	[0.700]	[0.810]
40	38.13	33.02	29.73	28.13	24.13	26.93
	[1.501]	[1.300]	[1.170]	[1.107]	[0.950]	[1.060]
50	44.48	39.37	36.08	34.48	30.48	33.28
	[1.751]	[1.550]	[1.420]	[1.357]	[1.200]	[1.310]
60	50.83	45.72	42.43	40.83	36.83	39.63
	[2.001]	[1.800]	[1.670]	[1.607]	[1.450]	[1.560]
80	63.53	58.42	55.13	53.53	49.53	52.33
	[2.501]	[2.300]	[2.170]	[2.107]	[1.950]	[2.060]
100	76.23	71.12	67.83	66.23	62.23	65.03
	[3.001]	[2.800]	[2.670]	[2.607]	[2.450]	[2.560]
120	88.93	83.82	80.53	78.93	74.93	77.73
	[3.501]	[3.300]	[3.170]	[3.107]	[2.950]	[3.060]

X-X' Cross Section



Printed Circuit Board Layout (Component Side View)



Ordering Information

P50L - XXXS - RR1 - DA

Contact Quantity
See Table

TS-1146-04
Sheet 2 of 2

Important Notice

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.



3M Electronics

6801 River Place Blvd.
Austin, TX 78726-9000
800/225-5373
www.3M.com/electronics

Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture for a period of one (1) year from the time of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.**



Minimum 10%
Post-Consumer Fiber

Printed in USA.

© 3M 2006