



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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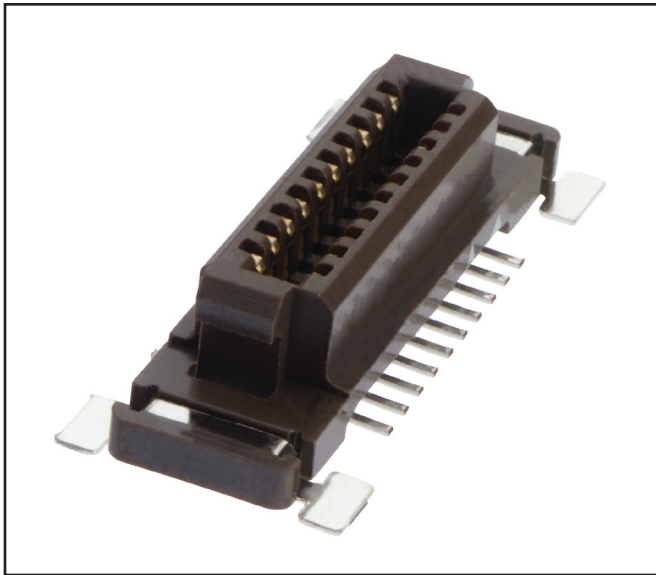
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



3M™ Pak 50 Socket

.050" Surfacement Socket .276" and .315" Mating Heights

P50L Series



- Low profile 0.276" - 0.315" (7-8 mm) addresses surfacement board stacking applications
- High temperature insulator compatible with IR and wave soldering
- Solder brackets increase connector stability to protect contact solder joint integrity
- Polarized alignment posts ensure correct mating
- 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 17, 2010

TS-2055-B
Sheet 1 of 2

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-2056

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

3M
Electronic Solutions Division
Interconnect Solutions
<http://www.3Mconnector.com>

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3M™ Pak 50 Socket

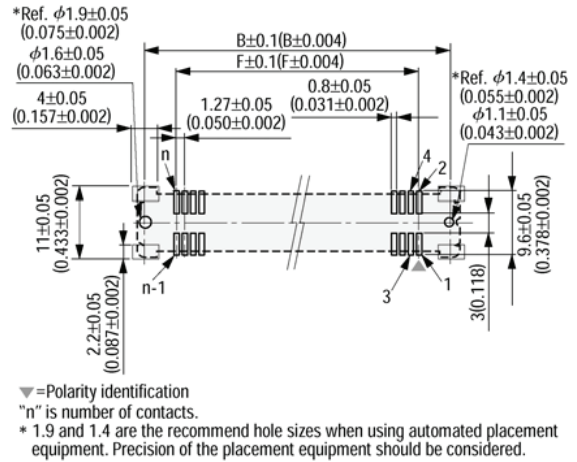
.050" Surfacement Socket .276" and .315" Mating Heights

P50L Series

Product Table / Dimensions

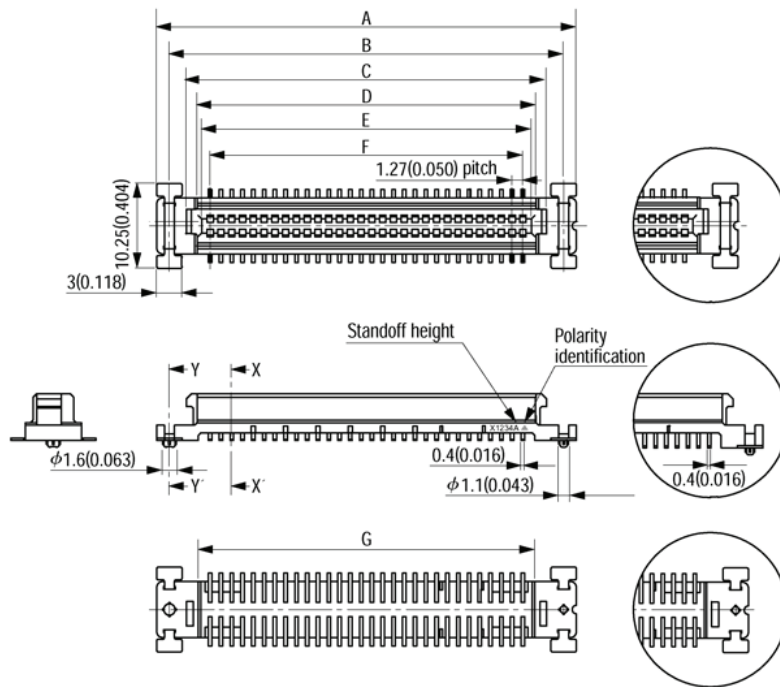
Contact Quantity	A	B	C	D	E	F	G
20	24.03 [0.946]	21.03 [0.828]	17.03 [0.670]	14.23 [0.560]	13.43 [0.529]	11.43 [0.450]	14.23 [0.560]
30	30.38 [1.196]	27.38 [1.078]	23.38 [0.920]	20.58 [0.810]	19.78 [0.779]	17.78 [0.700]	20.58 [0.810]
40	36.73 [1.446]	33.73 [1.328]	29.73 [1.170]	26.93 [1.060]	26.13 [1.029]	24.13 [0.950]	26.93 [1.060]
50	43.08 [1.696]	40.08 [1.578]	36.08 [1.420]	33.28 [1.310]	32.48 [1.279]	30.48 [1.200]	33.28 [1.310]
60	49.43 [1.946]	46.43 [1.828]	42.43 [1.670]	39.63 [1.560]	38.83 [1.529]	36.83 [1.450]	39.63 [1.560]
80	62.13 [2.446]	59.13 [2.328]	55.13 [2.170]	52.33 [2.060]	51.53 [2.029]	49.53 [1.950]	52.33 [2.060]
100	74.83 [2.946]	71.83 [2.828]	67.83 [2.670]	65.03 [2.560]	64.23 [2.529]	62.23 [2.450]	65.03 [2.560]
120	87.53 [3.446]	84.53 [3.328]	80.53 [3.170]	77.73 [3.060]	76.93 [3.029]	74.93 [2.950]	77.73 [3.060]

Printed Circuit Board Layout (Component Side View)

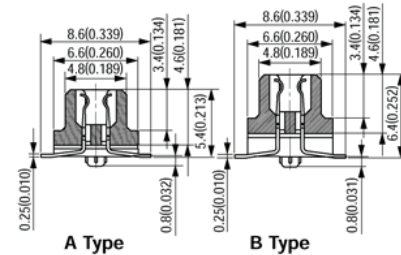


A Type (Standoff height)

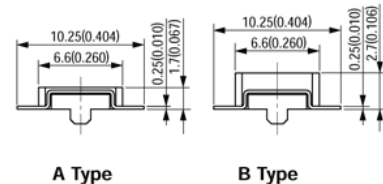
B Type



X-X' Cross Section



Y-Y' Cross Section



Ordering Information

P50L - XXXS - XX - DA (RIA E1 and C1 apply)

Contact Quantity:
See Table

AS = SMT, Type A
BS = SMT, Type B

TS-2055-B
Sheet 2 of 2

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