



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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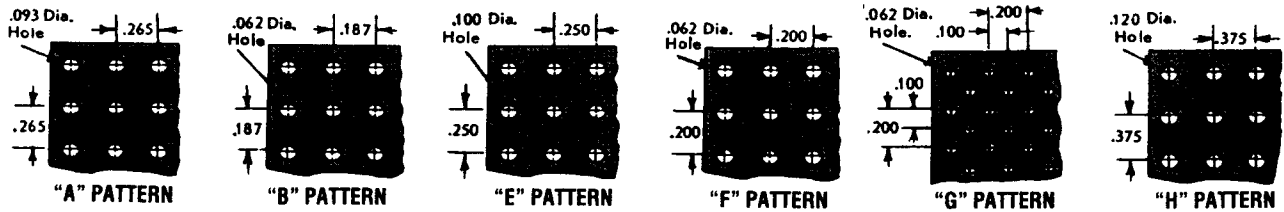
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# BREADBOARDS

## STANDARDIZED PERFORATED BAKELITE BOARDS

- Time Saving
- Economical
- Permits Flexibility of Circuit Design
- Six Popular Patterns for Most Applications



**STANDARDIZED KEYBOARDS:** Permits time saving, low cost, assembly of components. Used extensively in development of prototype breadboarding, test design or production runs. A large selection of sizes and materials offers the designer the flexibility and convenience needed to create special circuitry on short notice.

**ELECTRONIC HARDWARE:** A large selection of turret, push-in and stamped terminals, brackets, eyelets, etc. available from stock.

**STAKING TOOLS:** Inexpensive tooling supplied for staking eyelets, bushings, turret terminals, etc. You can do an entire assembly at your bench with ease, using our impact tool. Other tools for arbor, kickpress, drill press. See Staking Tool pages 78-79.

**SPECIAL SERVICES:** We will install eyelets or terminals to suit your application. We invite inquiries for special sizes or additional holes drilled. Prompt quotations rendered at no cost to you.

**MATERIAL:** XXXP NATURAL (MIL-P-3115C, TEMP. 250°F MAX.) 1/16 AND 3/32 THICK  
G-10 GLASS EPOXY (MIL-P-18177, TEMP. 300°F MAX.) 1/16 THICK

## PUSH-IN TERMINALS FOR BREADBOARDS SEE PAGE 74

"A" PATTERN			
.093 DIA. HOLES ON .265 X .265 CENTERS			
SIZE WIDTH & LENGTH	NO. OF HOLES	XXXP NAT. CAT. NO.	GLASS EPOXY CAT. NO.
1.88 x 8.50	7 x 32	1737	1791
2.44 x 8.50	9 x 32	1738	1788
3.25 x 8.50	13 x 32	1785	1789
3.25 x 17.00	13 x 64	1786	1787
4.88 x 4.88	18 x 18	1806	1807
4.88 x 17.00	18 x 64	1739	1793
8.50 x 8.50	32 x 32	1732	1794
8.50 x 17.00	32 x 64	1733	1795

"B" PATTERN			
.062 DIA. HOLES ON .187 x .187 CENTERS			
SIZE WIDTH & LENGTH	NUMBER OF HOLES	XXXP NATURAL CAT. NO.	
2.44 x 3.38	12 x 17		1812
2.84 x 8.50	15 x 45		1735
3.66 x 6.75	19 x 35		1824
5.69 x 8.50	30 x 45		1762
5.69 x 17.00	30 x 90		1736
6.75 x 7.31	35 x 39		1826
8.50 x 17.00	45 x 90		1763

"E" PATTERN			
.100 DIA. HOLES ON .250 x .250 CENTERS			
SIZE WIDTH & LENGTH	NUMBER OF HOLES	XXXP NATURAL CAT. NO.	
2.13 x 4.00	8 x 16		1750
2.13 x 8.50	8 x 34		1765
3.63 x 8.50	14 x 34		1766
8.50 x 8.50	34 x 34		1767
8.50 x 17.00	34 x 68		1768

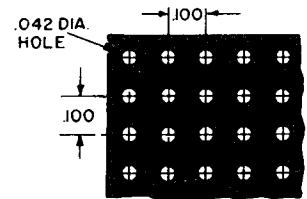
"F" PATTERN			
.062 DIA. HOLES ON .200 X .200 CENTERS			
SIZE WIDTH & LENGTH	NO. OF HOLES	XXXP NAT. CAT. NO.	GLASS EPOXY CAT. NO.
1.25 x 8.50	6 x 42	1730	1844
3.00 x 4.50	15 x 22	1835	1845
3.63 x 8.50	18 x 42	1773	1854
4.50 x 6.50	22 x 30	1868	1870
4.50 x 8.50	22 x 42	1869	1871
4.88 x 8.50	24 x 42	1774	1872
4.88 x 17.00	24 x 85	1776	1873
8.50 x 8.50	42 x 42	1777	1874
8.50 x 17.00	42 x 45	1778	1875

"G" PATTERN			
.062 DIA. HOLES ON .200 x .100 ALT. C.			
SIZE WIDTH & LENGTH	NO. OF HOLES	XXXP NAT. CAT. NO.	GLASS EPOXY CAT. NO.
2.25 x 8.50	(11x42)x2	1754	1910
3.50 x 4.00	(17x19)x2	1753	1911
3.50 x 8.50	(17x42)x2	1905	1912
3.50 x 17.00	(17x85)x2	1906	1913
3.88 x 8.50	(19x42)x2	1907	1914
4.88 x 8.50	(24x42)x2	1908	1915
4.88 x 17.00	(24x85)x2	1779	1916
8.50 x 17.00	(42x42)x2	1780	1917
8.50 x 17.00	(42x85)x2	1781	1918

"H" PATTERN			
.120 DIA. HOLES ON .375 x .375 CENTERS			
SIZE WIDTH & LENGTH	NO. OF HOLES	XXXP NATURAL CAT. NO.	
2.25 x 8.25	6 x 22		1744
4.13 x 8.25	11 x 22		1782
4.13 x 16.50	11 x 44		1745

## MICRO-MINIATURE HIGH-DENSITY WITH .042 DIA. HOLES

- FOR MODULE STACKS
- SMALLER PLUG-IN CARDS POSSIBLE
- PERMITS HIGHER COMPONENT DENSITY FOR SUBMINIATURE CIRCUITRY



"P" PATTERN

## "P" PATTERN .042 HOLES .100 .100

WIDTH & LENGTH	NO. HOLES W & L	GLASS EPOXY CAT. NO.	XXXP NATURAL PHENOLIC CAT. NO.
2.00 x 4.50	19 x 44	4225	—
2.00 x 6.00	19 x 59	4226	—
4.50 x 6.00	44 x 59	4227	—
6.00 x 17.00	59 x 169	4228	—

WIDTH & LENGTH	NO. HOLES W & L	GLASS EPOXY CAT. NO.	XXXP NATURAL PHENOLIC CAT. NO.
2.00 x 4.50	19 x 44	4229	—
2.00 x 6.00	19 x 59	4230	—
4.50 x 6.00	44 x 59	4231	—
6.00 x 17.00	59 x 169	4232	—

WIDTH & LENGTH	NO. HOLES W & L	GLASS EPOXY CAT. NO.	XXXP NATURAL PHENOLIC CAT. NO.
2.00 x 4.50	19 x 44	3405	3396
2.00 x 6.00	19 x 59	3406	3397
2.73 x 17.00	26 x 169	3407	3398
3.00 x 4.50	29 x 44	3408	3399
4.50 x 6.00	44 x 59	3409	3400
4.50 x 6.50	44 x 64	3410	3404
4.50 x 8.50	44 x 84	3411	3425
4.50 x 17.00	44 x 169	3412	3426
6.00 x 17.00	59 x 169	3413	3427