

**Vector Prototyping Boards** with punched holes are convenient economical tools for assembling circuit components and cost effective alternatives to custom designs. Use general purpose Plugboards and Bus specific for edgeboard connection prototyping, while Circboards are ideal for cutting down to smaller board sizes.

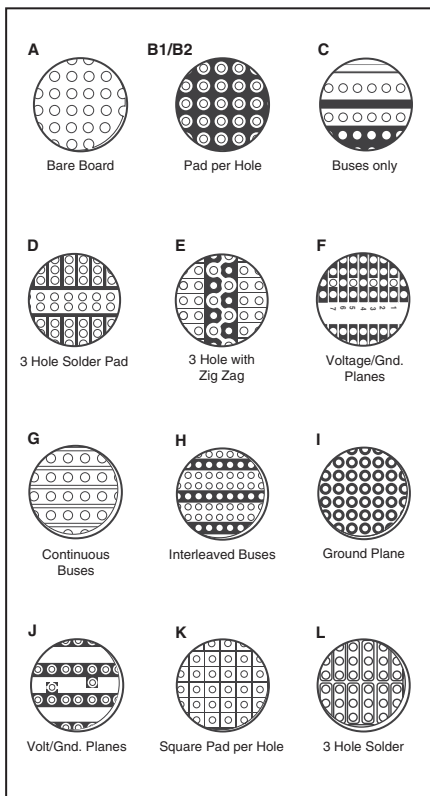
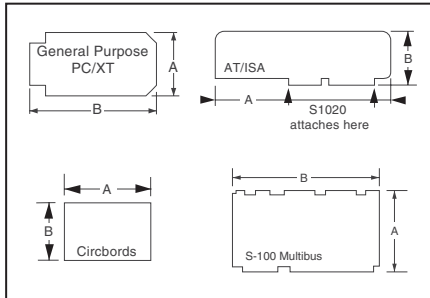
• Holes on 0.1" (2.54mm) grid .042" (1.07mm) diameter (.043" [1.09mm] on V1018 and V1029) • Ejector Hole • Plating: Gold/Nickel • Board Material: Epoxy Glass Composite.

**PC/XT and AT Expansion Units:**

• Marked edge contact identification • Gold plated edge contacts on 0.1" centers • Power and ground buses terminate

to connectors • Pads on board and bracket accepts DB9-, 15-, 25- or 37-Pin I/O connector • Accepts Vector's press terminals for wiring and soldering • Holes are .042" (1.07mm) diameter or 0.1" (2.54mm) grid • 1/16" (1.59mm) thick epoxy glass material, gold/nickel contacts • Universal mounting bracket and card guide included • Layout planning sheets and instructions included • Plugs into any IBM AT slot with dual connectors (AT unit only) • Pads for mounting dual, row 0.1" (2.54mm) spaced header (AT unit only)

**Circboards™:** • .042" (1.07mm) diameter holes on 0.1" (2.54mm) grid • 1/16" (1.59mm) thick, epoxy glass composite boards • Flame retardant • Etched copper patterns are solder plated.



**PC BOARD PATTERNS**

<b>A</b>	Edgeboard Contacts Only
<b>B1</b>	Pad Per Hole W/ Buses
<b>B2</b>	Pad Per Hole Only
<b>C</b>	Buses Only Around Bare Board
<b>D</b>	3-Hole Solder Pad W/Buses
<b>E</b>	3-Hole Solder Pad, Zig-Zag Buses and Ground Plane
<b>F</b>	Voltage/Gnd. Planes
<b>G</b>	Buses Only - 2 Sides
<b>H</b>	Interleaved Buses
<b>I</b>	Clearance-Hole Ground Plane
<b>J</b>	Voltage/Ground Planes
<b>K</b>	Pad-Per-Hole Only
<b>L</b>	3-Hole Solder Pad

PCB Pattern	Edge Contacts		Dimensions Inch (cm)		16-Pin Dip	Digi-Key Part No.	Price Each			Accessories				Vector Part No.		
	No.	Spacing Inch (mm)	A	B			1	10	25	Connectors Solder Tail	Wire Wrap	Card Extender	Card Racks			
<b>General Purpose Plugboards</b>																
A	44	.156" (3.96)	4.50 (11.43)	9.60 (24.38)	90	V1129-ND	33.38	29.35	26.05	V1062	V1196	V1024	V1050	3662-2		
B1/B1			4.50 (11.43)	6.50 (16.51)	45	V1018-ND	41.44	36.44	32.34	V1062	V1196	V1024	V1050-52	3662-9		
A			4.50 (11.43)	4.50 (11.43)	40	V1017-ND	23.00	20.23	17.95	V1062	V1196	V1024	V1050-52	3662-5		
A			4.50 (11.43)	6.50 (16.51)	50	V1016-ND	25.84	22.72	20.17	V1062	V1196	V1024	V1050-52	3662		
H			4.50 (11.43)	6.50 (16.51)	24	V1023-ND	30.01	26.39	23.42	V1062	V1196	V1024	V1050-52	3682-2		
D			4.50 (11.43)	6.50 (16.51)	12	V1020-ND	27.63	24.29	21.56	V1062	V1196	V1024	V1050-52	3677-2		
E			4.50 (11.43)	9.60 (24.38)	40	V1128-ND	38.02	33.43	29.67	V1062	V1196	V1024	V1050	4112		
E			4.50 (11.43)	6.50 (16.51)	25	V1031-ND	30.92	27.19	24.13	V1062	V1196	V1024	V1050-52	4112-4		
E			4.50 (11.43)	4.50 (11.43)	8	V1032-ND	28.03	24.64	21.87	V1062	V1196	—	—	4112-5		
D			4.50 (11.43)	9.60 (24.38)	21	V1019-ND	33.38	29.35	26.05	V1062	V1196	V1080	V1053	3677		
H			4.50 (11.43)	6.50 (16.51)	24	V1130-ND	50.38	44.29	39.31	V1062	V1196	V1024	V1050	3682-4		
I	4.50 (11.43)	6.50 (16.51)	90	V1131-ND	41.44	36.44	32.34	V1062	V1196	V1024	V1050	3662A6				
A	72	.100 (2.54)	4.50 (11.43)	6.50 (16.51)	50	V1027-ND	31.09	27.33	24.26	S1364	V1061	V1079	V1050-52	3719-1		
B1			4.50 (11.43)	6.50 (16.51)	40	V1029-ND	44.04	38.72	34.37	S1364	V1061	V1079	V1050-52	3719-6		
—			4.50 (11.43)	6.50 (16.51)	34	V1132-ND	27.28	23.99	21.29	S1364	V1061	V1024	V1050	4066-4		
A	—	—	4.50 (11.43)	9.60 (24.38)	90	V1028-ND	34.51	30.34	26.93	S1364	V1061	V1079	V1053	3719-4		
<b>PC/XT (Standard Bus)</b>																
D	56	.125	4.50 (11.43)	6.50 (16.51)	20	V1111-ND	31.85	28.00	24.85	S2284	—	V1115	V1050-52	4610V		
A			4.50 (11.43)	6.50 (16.51)	59	V1112-ND	30.03	26.40	23.43	S2284	—	V1115	V1050-52	4610-1		
B1/B2			4.50 (11.43)	6.50 (16.51)	52	V1114-ND	44.04	38.72	34.37	S2284	—	V1115	V1050-52	4610-3		
<b>AT/ISA Expansion Units</b>																
C	B1	(XT)	(2.54)	13.23 (33.60)	4.20 (10.67)	84	V1036-ND	52.03	45.75	40.60	S1314	—	V1025	—	4613-1	
—				13.23 (33.60)	4.20 (10.67)	91	V1038-ND	59.84	52.61	46.69	S1314	—	V1025	—	4613-3	
D	C	62/36 (AT)	.100 (2.54)	13.25 (33.66)	4.80 (12.19)	—	V1039-ND	78.06	68.63	60.91	—	—	V1026	—	4617	
C				13.25 (33.66)	4.80 (12.19)	108	V1040-ND	58.68	51.59	45.79	—	—	V1026	—	4617-1	
B1				13.25 (33.66)	4.80 (12.19)	—	V1041-ND	79.48	69.88	62.02	—	—	V1026	—	4617-3	
I	—	98	.100 (2.54)	13.25 (33.66)	4.80 (12.19)	140	V1137-ND	79.48	69.88	62.02	S1499-967	—	—	—	4617-4	
—				13.25 (33.66)	4.80 (12.19)	140	V1138-ND	104.61	91.97	81.63	S1499-967	—	—	—	—	4617-5
<b>CIRCBORDS (Plugboard Patterns Without The Expense Of Edgeboard Connectors)</b>																
G	—	—	3.00 (7.62)	3.50 (8.89)	—	V2018-ND	5.75	5.06	4.49	—	—	—	—	8022		
—			3.94 (10.01)	6.30 (16.00)	—	V2017-ND	34.03	29.92	26.56	—	—	—	—	—	8021	
G			4.00 (10.16)	6.00 (15.24)	15	V1035-ND	21.64	19.03	16.89	—	—	—	—	—	8019	
D			4.50 (11.43)	6.50 (16.51)	20	V1044-ND	23.00	20.23	17.95	—	—	—	—	—	8001	
H			4.50 (11.43)	6.50 (16.51)	35	V1045-ND	25.33	22.28	19.77	—	—	—	—	—	8002	
K			4.50 (11.43)	6.50 (16.51)	60	V1046-ND	25.30	22.24	19.74	—	—	—	—	—	8003	
I			4.50 (11.43)	6.50 (16.51)	50	V1047-ND	27.63	24.29	21.56	—	—	—	—	—	8004	
B2/B2			—	—	5.00 (12.70)	13.25 (33.66)	154	V1048-ND	47.03	41.35	36.70	—	—	—	—	8006
B2/J			—	—	4.50 (11.43)	6.50 (16.51)	60	V1049-ND	27.61	24.28	21.55	—	—	—	—	8007
D			—	—	4.50 (11.43)	8.08 (20.52)	21	V1021-ND	22.04	19.38	17.20	—	—	—	—	3677-6
K/K			—	—	4.50 (11.43)	8.08 (20.52)	80	V1034-ND	26.39	23.20	20.59	—	—	—	—	45P80-1
B2/B2	—	—	10.60 (26.92)	10.60 (26.92)	275	V1001-ND	61.66	54.21	48.11	—	—	—	—	106P106-1		
—	—	—	18.00 (45.72)	10.69 (27.15)	—	V1116-ND	157.98	138.88	123.26	—	—	—	—	106P180-4		
B2/B2	—	—	12.86 (32.66)	4.00 (10.16)	124	V1117-ND	44.03	38.71	34.35	—	—	—	—	8010		
B2/B2	—	—	11.00 (27.94)	9.20 (23.37)	283	V1118-ND	64.06	56.32	49.99	—	—	—	—	8012		
<b>S-100 Prototyping Boards</b>																
B2/B2	50/100	.125 (3.18)	10.00 (25.40)	5.30 (13.46)	80	V1134-ND	50.03	43.99	39.04	—	—	—	—	8801-6		
A			10.00 (25.40)	5.30 (13.46)	110	V1135-ND	50.03	43.99	39.04	—	—	—	—	8801-1		
F/F			10.00 (25.40)	5.30 (13.46)	—	V1136-ND	60.04	52.79	46.85	—	—	—	—	8804		
<b>VME CIRCBORD Prototyping Boards</b>																
B1	—	—	3.94 (10.01)	6.3 (16.00)	35	V1222-ND	20.69	18.20	16.15	—	—	—	—	E160-3U-1		
I			3.94 (10.01)	6.3 (16.00)	45	V1223-ND	29.90	26.29	23.34	—	—	—	—	—	E160-3U-3	
B1			6.3 (16.0)	9.19 (23.34)	100	V1226-ND	36.82	32.37	28.73	—	—	—	—	—	E160-6U-1	
I			6.3 (16.0)	9.19 (23.34)	105	V1227-ND	32.21	28.32	25.14	—	—	—	—	—	E160-6U-3	
L			6.3 (16.0)	3.94(10.01)	20	V1224-ND	32.74	28.79	25.55	—	—	—	—	—	4614	
B1			—	—	6.3 (16.0)	3.94(10.01)	30	V1225-ND	32.01	28.15	24.98	—	—	—	—	4614-3
D			—	—	6.3 (16.0)	9.19 (23.34)	50	V1228-ND	36.02	31.67	28.11	—	—	—	—	4615
B1			—	—	8.66 (22.0)	9.19 (23.34)	140	V1229-ND	43.72	38.44	34.11	—	—	—	—	E220-6U-1
C			—	—	8.66 (22.0)	9.19 (23.34)	140	V1230-ND	50.63	44.52	39.51	—	—	—	—	E220-6U-2
F			—	—	8.66 (22.0)	9.19 (23.34)	168	V1231-ND	33.38	29.35	26.05	—	—	—	—	E220-6U-3
F			—	—	11.02 (28.0)	14.44 (36.68)	348	V1232-ND	75.95	66.77	59.26	—	—	—	—	E280-9U-3

◆ RoHS Compliant † V1116-ND has pad per hole with PTH, GND plane both sides. ◊ V2017-ND has .05" spacing with plated-thru holes.