

# Prototyping PC Boards & Terminals



## General Purpose Prototyping Boards

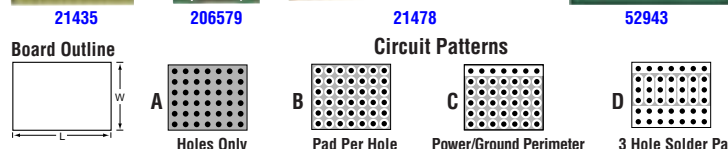
Select the prototype board that fits your needs from our comprehensive product listing. Prototyping boards with punched holes are convenient, economical tools for assembling circuit components and trying cost-effective alternatives to custom designs.

- 0.062" board thickness
- 0.1" hole spacing
- 0.08" pad size
- PCB material epoxy glass
- Plated through pads are double-sided



★ Web Code: PBH

See PCB enclosures on pg 130, and mounting hardware (recommended P/N 106551) below



Part No.	Product No.	Size (W" x L")	Fits Enclosure(s) (see page 130)	Circuit Pattern	Hole Pads	# Holes x Dia.†	Power/Ground Buses	Connector I/O or Edge	# Mounting Holes x Dia.	Wt. (lbs.)	Pricing			
											1	10	50	100
105102	G/S(PCB-365)-R	1.50 x 3.50	11957	C	Single-sided	365 x .038"	4	None	2 x .140"	.02	\$4.95	\$4.49	\$3.95	\$3.59
2229335	245-0001	1.80 x 2.80	—	C	Single-sided	417 x .035"	2	None	4 x .120"	.02	4.49	3.95	3.59	3.19
105100	G/S(PCB228)-R	1.60 x 2.70	18922	B	Single-sided	288 x .035"	None	None	2 x .115"	.02	4.95	4.49	3.95	3.59
105129	2853PCB-R	2.00 x 4.40	18914, 11965	C	Single-sided	669 x .038"	4	None	4 x .140"	.03	6.95	6.25	5.59	4.95
2213421	FIT0099 <sup>1</sup>	2.28 x 3.07	—	B	Single-sided	572 x .038"	None	None	4 x .118"	.03	1.95	1.75	1.49	1.25
105111	PCB-102-R	2.40 x 3.40	11870	C	Single-sided	637 x .038"	4	None	2 x .140"	.03	4.49	3.95	3.59	3.19
263207	PCB-463-R	2.40 x 4.10	—	B	Plated through	640 x .031"	None	None	4 x .120"	.05	7.95	6.95	6.25	5.59
263215	PCB-858-R	2.50 x 4.25	18893	D	Plated through	640 x .042"	None	D-sub 25/USB/RJ45	4 x .120"	.05	6.95	5.95	5.49	4.95
105153	2851PCB-R	3.10 x 5.50	18893	C	Single-sided	1450 x .035"	7	None	4 x .140"	.07	5.49	4.95	4.49	3.95
263223	PCB-69-R	3.30 x 3.70	—	B	Single-sided	900 x .042"	None	None	4 x .120"	.05	4.95	4.49	3.95	3.59
105137	PCB-1266-R	3.30 x 4.50	11886	C	Single-sided	1266 x .035"	4	None	4 x .140"	.06	5.95	5.49	4.95	4.49
105162	2852PCB-R	3.60 x 7.00	18906, 11973	B	Single-sided	2225 x .035"	4	None	4 x .140"	.10	9.95	8.95	7.95	6.95
2131186	ECS3-H <sup>2</sup>	3.90 x 6.30	—	D	Single-sided	784 x .041"	2	DIN41617/41612	4 x .120"	.12	5.69	5.29	5.19	4.89
206587	PCB-586-R	4.30 x 6.80	209350	C	Single-sided	2550 x .042"	5	None	4 x .140"	.07	8.95	7.95	6.95	6.25
21435	JE401-R	4.50 x 6.50	18869	B/D	Single-sided	2360 x .042"	2	None	None	.12	12.95	11.95	10.95	9.95
206579	PCB-578-R	4.60 x 4.30	208911	C	Single-sided	1684 x .042"	5	None	4 x .140"	.07	5.95	5.49	4.95	4.49
105180	PCB-135-R	5.00 x 6.50	18869	C	Single-sided	2829 x .035"	7	None	8 x .120"	.13	8.95	7.95	6.95	6.25
21478	JE407-R	5.00 x 13.25	—	B	Double-sided	6063 x .038"	None	None	8 x .120"	.28	29.95	26.95	23.95	21.95
206594	PCB-594	5.50 x 8.00	209358	C	Single-sided	3906 x .042"	5	None	4 x .140"	1.0	10.95	9.95	8.95	7.95
105187	2507PCB	6.10 x 8.80	18877	C	Single-sided	4771 x .035"	7	None	8 x .140"	.21	13.95	12.49	10.95	9.95



## Vector Prototyping Boards

Part No.	Product No.	Size (W" x L")	Fits Enclosure(s)	Circuit Pattern	Hole Pads	# Holes x Dia.†	Power/Ground Buses	Connector I/O or Edge	# Mounting Holes x Dia.	Wt. (lbs.)	1	10	50	100
43140	64P44XXXP	4.50 x 6.50	18869	A	Drilled only	2860 x .042"	None	None	None	.09	\$8.75	\$7.69	\$6.59	\$6.39
52943	84P44WE	4.50 x 8.50	18877	A	Drilled only	3740 x .042"	None	None	None	.15	12.49	11.49	10.49	9.95
37612	169P44XXXP#	4.50 x 17.0	—	A	Drilled only	7524 x .042"	None	None	None	.25	15.95	14.95	13.95	13.49
37621	169P84WE	8.50 x 17.0	—	A	Drilled only	14,448 x .042"	None	None	None	.53	29.95	26.75	22.95	22.29
106551	20 pieces; PC board mounting hardware (4 spacers, 8 screws and 8 washers) used with all above boards										2.95	2.59	2.29	1.95

Manufacturer: <sup>1</sup>DFRobot <sup>2</sup>Velleman #PCB material: phenolic †All 0.042" Diameter hole boards use terminals P/Ns 34147, 34155 and 34163 (below)



## .042" Diameter Copper Alloy Wire Wrap and Push-In Terminals

★ Web Code: XCE

34147: Push-In Micro-Klip Terminals

34155: Miniwrap Wiring Terminals • Shoulder: .045"

• Two-prong with square tail for wire wrapping

34163: Klipwrap Wiring Terminals

• Three-prong with square tail for wire wrapping



Part No.	Mfr. Part No.	Height Above .062" Board	Length Below .062" Board	Post Size	Overall Length	100 pc. units	
						1	10
34147	T421-1/C	.200	.097	.032" x .045"	.36"	\$10.95	\$9.95
34155	T44/C	.065	.530	.025" Sq.	.69"	9.95	8.95
34163	T49/C	.200	.530	.025" Sq.	.83"	14.95	13.49



## PCB Adhesive Standoff

The rectangular base is offset to allow the base to be underneath the board when the mounting hole is close to PCB edge. The offset base provides large sticking surface while permitting the PCB to be mounted in tight spaces or close to walls.

- Low profile, offset base
- 3M adhesive tape backing
- 0.125" diameter PCB hole
- Integral clip locks PCBs in place
- Material: nylon 66 (UL)
- Flame class: 94V-2
- Size: 0.6"L x 0.8"W x 0.12"D



★ Web Code: PSF

Part No.	Product No.	Description	1	10	50
2191592	SA120X8	8-pack adhesive standoff for PCBs	\$2.75	\$2.49	\$2.29



## Solderable PC Protoboards

- High-quality FR4 glass epoxy PCBs for long life
- Anti-tarnish protective coating for easy soldering

★ Web Code: PBH

2127267

Part No.	Product No.	Size (L" x W" x D")	Points	1	10	50
2125042	SB300	3.0 x 1.2 x 0.06	300	\$3.95	\$3.49	\$3.19
2125051	SB400	3.0 x 1.9 x 0.06	400	4.95	4.49	3.95
2191402	SB404	3.75 x 1.85 x 0.06	540	4.95	4.45	3.95
2191411	SB830	7.25 x 1.85 x 0.06	1258	6.49	5.95	5.39
2125034	BR1	7.0 x 1.85 x 0.06	830	6.49	5.79	5.29
2127267	ST3U	6.3 x 3.9 x 0.06	2356	9.95	8.95	7.95



## PT Series Prototyping Boards

★ Web Code: PBH

• Features power buses that connect to a power jack (recommended P/Ns 101178 and 101187, pg 98)

Part No.	Cross Ref.	Size (L" x W")	Hole Pads	# Holes x Dia.	# Mntg Holes x Dia.	1	10	50
645677	PB-456	3.5 x 2.5	Double-sided	456 x .036"	4.0 x .140"	\$9.95	\$8.95	\$7.95
262511	PB-1135	5.0 x 3.7	Double-sided	1135 x .036"	4.0 x .140"	10.95	9.95	8.95
262537	PB-1931	6.0 x 4.9	Double-sided	1931 x .036"	4.0 x .140"	11.95	10.95	9.95



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