

## ▼ Prototyping Supplies

## Ferric Chloride

Ferric chloride for etching copper PCBs. Supplied in 500ml bottle, premixed for easy use. Simply pour into a plastic container or etching tank and insert the PCB to be etched. Etching takes approximately 20 minutes.



Price Each	RRP	4+	10+
H 0800	12.95	11.75	10.90

## Ammonium Persulphate Etchant

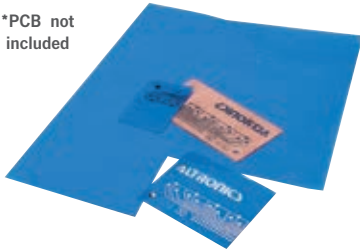
A clean, easy to use PCB non-acidic etching solution. Supplied as a powder which is mixed with hot water. Etching time takes approximately 10 minutes. 600g.



Price Each	RRP	4+	10+
H 0802	17.95	16.20	14.40

## Press &amp; Peel PCB Film

\*PCB not included



Ideal for making prototype PCBs and one off projects. Simply photocopy or laser print your artwork onto the film, cut to size, iron on to your copper laminated blank, then etch. Pack of 5. Size 206mm x 280mm. Only suitable for laser printers or photocopiers.

Price Each	RRP	4+	10+
H 0770	40.00	36.45	32.95

## Kinsten® Positive Resist PCBs



Fibreglass positive resist coated 1.6mm, 1oz copper, blank PCB's for use with Kinsten developer solution. Ideal for low volume prototyping & electronics design.

**H 0798:** Removes unwanted PCB resist coating prior to the copper etching process. Supplied in pre measured satchel for mixing with 1 litre of water. 50g.

Price Each	RRP	4+	10+
H 0772	114 x 165 Single side		9.50
H 0774	150 x 300 Single side		23.50
H 0782	114 x 165 Double side		13.75
H 0786	150 x 300 Double side		28.00
H 0798	Developer solution		2.95

## Blank PCB Board

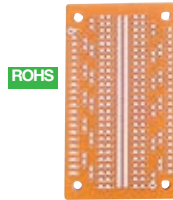


Copper clad FR4 fibreglass high quality PCB laminate. Available in single-sided and double-sided. Ideal for prototyping and one off PCBs. 1.6mm thick. 1 ounce copper coating. Made with Tolerance  $\pm$  5mm

Price Each	RRP	4+	10+	
H 0753	150 x 75 Single side	7.25	6.75	6.25
H 0754	150 x 150 Single side	10.95	9.95	8.95
H 0755	300 x 300 Single side	24.70	23.50	22.40
H 0758	150 x 75 Double side	7.95	7.20	6.40
H 0757	150 x 150 Double side	12.00	11.00	10.00
H 0756	300 x 300 Double side	26.95	24.30	21.60

## Prototype Board

To suit DIP package ICs. Pre-drilled single-sided copper strip board. 0.9mm holes 2.54mm (0.1") spacing. 2 sizes available. Great for prototyping & one-off designs.



Price Each	RRP	4+	10+	
H 0717	75 x 43mm	2.50	2.25	2.00
H 0718	130 x 48mm	2.95	2.40	1.80
H 0719	110 x 140mm	5.95	5.40	4.80

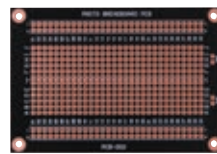
## Strip Prototype Board

Pre-drilled single-sided copper strip board. 0.9mm holes 2.54mm spacing (0.1"). 3 sizes available.



Price Each	RRP	4+	10+	
H 0711	100 x 250mm	8.95	8.10	7.20
H 0712	100 x 160mm	5.50	4.95	4.40
H 0714	100 x 75mm	4.25	3.85	3.40

## Breadboard PCBs



H 0701



H 0703

Allows you to keep the same project layout as your breadboard and transfer it to a permanent PCB.

Solder masked board for easy construction.

**H 0701:** 94 x 64mm. 484 holes.

**H 0703:** 164 x 64mm. 900 holes.

Price Each	RRP	4+	10+	
H 0701	484 holes	6.95	6.25	5.55
H 0703	900 holes	9.95	8.95	7.95

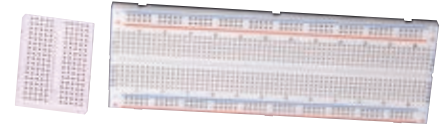
## PCB Tank Etching System



Get first class results with one-off home brew or prototype PCBs with this etching tank. Save time and money over commercially available PCBs. Ensures efficient, clean and safe etching. The included pump aerates the etchant, maximising its effectiveness. Tank can be used with ferric chloride or ammonium persulphate etchant. Max PCB size 23 x 30cm.

Price Each	RRP	2+	4+	
T 3201	Tank & pump	145.00	135.00	125.00

## Breadboards



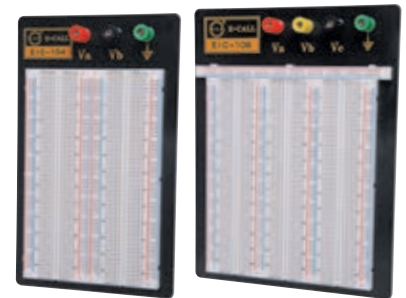
P 1020

P 1009A

Standard 0.1 inch spacings. Accepts all ICs, transistors, diodes, LEDs and passive components. Uses solid hook up wire for connections. Boards can be ganged together for easy expansion. **P 1020** fits between the headers on shield development boards.

Price Each	Holes	RRP	4+	10+
P 1020	170	4.95	4.50	4.40
P 1002	400	12.50	11.25	10.00
P 1005A	630	13.50	12.15	10.80
P 1009A	830	14.95	13.50	11.95

## Breadboards With Base



Mounted on an aluminium base with rubber feet. Includes binding posts for power supply connections.

**P 1012A** Accepts up to 16 x 16 pin DIL ICs. 1660 Holes.

**P 1015A** Accepts up to 24 x 16 pin DIL ICs. 2309 Holes

Price Each	Holes	RRP	4+	10+
P 1012A	1660	42.50	38.25	34.00
P 1015A	2309	47.95	43.25	40.00

## Order online 24/7!

Easy online ordering 24/7, 365 days a year at [www.altronics.com.au](http://www.altronics.com.au).