



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!



Contact us

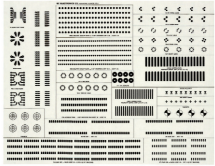
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DRAFTING AIDS



Circuit Board Drafting Patterns

An 8-1/2" x 11" sheet containing two dozen of the most commonly used pre-spaced component configurations. Self-adhesive pads may easily be removed from master sheet with printed circuit knife and placed upon Mylar® positive artwork. A highly refined process and ink assures true opacity and the excellent definition necessary for quality printed circuit work.

Part No. 21-677



Mylar® Layout Film

Package of 2 transparent mylar sheets with clear finish plus one grid pattern sheet. Std. 0.10" spacing.

Part No. 22-290 8 1/2" x 11"

Mylar is a registered trademark of DuPont.

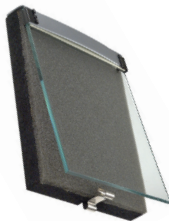


Etch Resist Ink Pens

Black felt tip pens for marking nomenclature and touching up photo artwork or etch resist circuits directly on the PC board or on the positive. Dries instantly. Easy application. Can be removed with Stripping Solution (22-240) or alcohol.

Part No. 22-220 Std. Size – draws lines approx. 1/32" wide

Part No. 22-222 Fine Line – draws lines as thin as 1/64" wide



Exposing Frame

Assures tight contact between positive or negative and the photosensitive material. Results in perfect transfer of circuit image to the board.

Part No. 22-393 For boards up to 10" to 12"

PC DEVELOPING & ETCHING



Positive Type Developer Concentrate

For developing photo sensitized PC boards coated with positive type etch resist. To be diluted with 9 parts of water to 1 part of developer. 6 oz. will develop 10 to 20 sq. ft. of PC board.

Part No. 22-225 2 fl. oz. Bottle

Part No. 22-226 6 fl. oz. Bottle



PC Board Etching Solution

This ferric chloride solution is one of the most effective and safest etching materials for copper clad PC boards. 6 oz. will etch about 180 sq. inches of PC board. Use only in plastic or glass trays. pH. 1.57

Part No. 22-237 6 fl. oz. Bottle

Part No. 22-238 32 fl. oz. Bottle

Part No. 22-239 1 Gallon Container



Etching Solution Heater

Fits in tank and heats solution up to 38°C (100°F). Used to further reduce etching time. Built-in adjustable thermostat controls temperature continuously to 100°F. 120V AC/100 W Max.

Part No. 22-392

Professional PC Board Power Etching System



A semi-automatic etching device for use in labs, schools, prototype shops and for limited PC board production. Reduces etching time to minutes. Air pump agitates etching solution for fast, very even etches. Handles up to two 8" X 10" PC boards at a time, either single or double sided. Tank comes with a tip-proof wire stand that can remain portable or attached to the bench with screws. For professional labs, it can be mounted as a bench well. Boards fit into a submersible rack with handles that keep hands away from the etchant as well as separating the PC boards. Lid prevents splashes, reduces evaporation, and can be turned upside down and used as an auxiliary tray.

Kit contains:

1 Etching Tank and Reservoir Lid

(12"H x 2-1/2"W x 10-1/2"L)

Molded Polyethylene – ABS PC Board Holder

Capacity – 1.25 Gallons of Etching Solution

1 Etch-O-Matic Power Agitating Pump, 120V AC

Operation

1 Permanent or Portable Tip-Free Base

1 PC Board Holder and Handle

4 Feet of Supply Hose

Part No. 22-394