Prototyping

- Ammonium Persulphate
- Sodium Persulphate
- Ferric Chloride
- Professional Etching Process Kit
- Economy Etching Process Kit
- Photofabrication Kit
- Etch Resist Pen
- Transparency Film
- Exposure Kit
- Solvent Cleaner
- Developer
- Liquid Tin
- Plain Copper Clad Boards
- Presensitized Copper Clad Boards
- Nickel Print
- Silver Print
- Silver Conductive Pen
- Prototyping Accessories

ALL MG PRODUCTS

- Accessories
- Adhesives
- Brushes
- Cleaners / Degreasers
- Contact Cleaners
- Desoldering Braid
- Dusters & Circuit Coolers
- EMI / RFI Shielding
- Epoxies
- Flux and Flux Remover
- Glass & Screen Cleaners
- Lubricants
- Potting & Encapsulating
- Protective Coatings
- Pens
- Prototyping Materials
- RTV Silicones
- Specialized Cleaners
- Swabs

Economy Etching Process Kit

416-ES BUY NOW

Etch copper clad circuits professionally

Accomodates two 8"x 9" double sided CCB's. Ideal for students and hobbyists. An inexpensive etching solution.

Contains:

- 5 liter heavy duty polyethylene etching tank
- Air pump and tubing
- Sparging unit
- Bag of vinyl gloves
- Complete instructions

This kit requires one of the following copper etchants:

- A minimum of 4 liters of Ferric Chloride (cat. no. 415-4L). There should be enough ferric chloride to completely cover your board. **Do not dilute ferric chloride with water.**
- Ammonium Persulphate (cat. no. 410-1KG) or
- Sodium Persulphate (cat. no. 4101-1KG)

Read Operating Instructions for #416-ES Etching Kit

Available Sizes

Catalog Number	Description
416-ES	Kit

Quick Links

- MSDS Listing
  Material Safety Data Sheet
- Instructions
- Prototyping Accessories
- AppGuide (PDF)

The **MG Chemicals** Prototyping Process

This product is a part of the MG Chemicals Prototyping Process. The following materials are required for the entire process:

- **Transparency Paper**
- **Copper Clad Boards**
- **Exposure Kit**
- **Photofabrication Kit**
- **Etching Process Kit**
- **One of our etchants**:
  - Ferric Chloride
  - Sodium Persulphate
  - Ammonium Persulphate

Thermal Management
Thermally Conductive Adhesives
Wipes

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