

# Prototyping

## WHO IS BUYING PROTOTYPING MATERIALS?

- 4 Education institutes
  - Secondary schools
  - Post secondary schools
- 4 Technical institutes
- 4 Engineers
  - Automotive
  - Aerospace
  - Electronics
- 4 Hobbyists



416-ES Kit



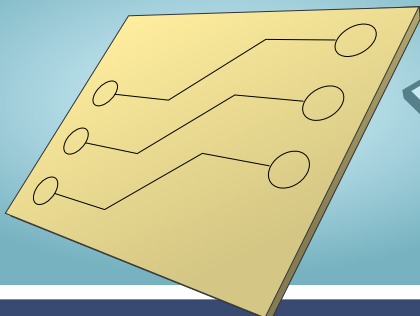
416-E Kit



## WHAT IS PROTOTYPING?

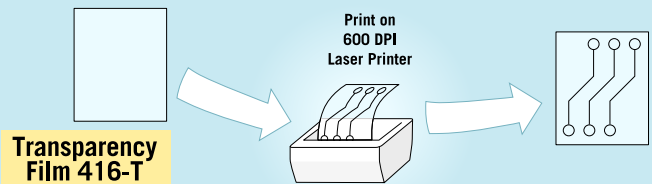
It is the process of creating your own circuitboard. Computer generated artwork defines the copper traces on the resulting board, making virtually any design possible.

## COMPLETED BOARD

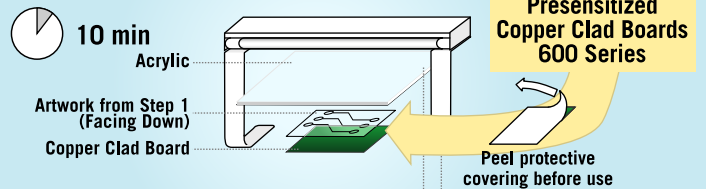


## THE PROCESS

### 1 Create Artwork



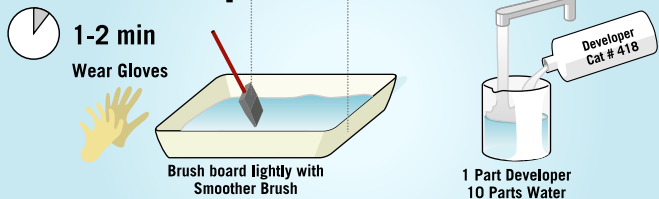
### 2 Expose



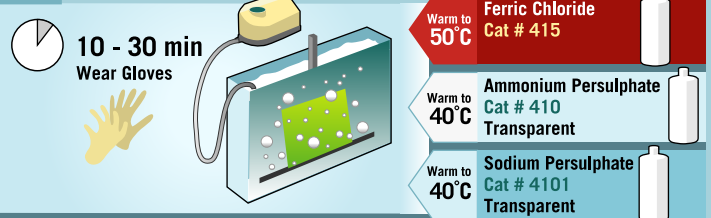
Exposure Kit 416-X

Photofabrication Kit 416-K

### 3 Develop



### 4 Etch



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For technical specifications,  
MSDS, tech support and more

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# Merchandise Guide

## Prototyping Kits



Stock Code	Product Name	Form	Case Qty
416-K	Photofabrication Kit	Kit	1
416-X	Exposure Kit	Kit	1
416-ES	Etching Process Kit - Student	Kit	1
416-E	Premium Etching Kit	Kit	1

## Boards 1 / 16"



Stock Code	Product Name	Size	Form	Case Qty
503	Single Sided Copper Clad Board	3X5	CCB	5
506	Single Sided Copper Clad Board	4X6	CCB	5
509	Single Sided Copper Clad Board	6X6	CCB	5
512	Single Sided Copper Clad Board	6X9	CCB	5
515	Single Sided Copper Clad Board	8X10	CCB	5
550	Double Sided Copper Clad Board	6X6	CCB	5
555	Double Sided Copper Clad Board	12X12	CCB	5
603	Single Sided Copper Clad Board Presensitized	3X5	CCB	5
606	Single Sided Copper Clad Board Presensitized	4X6	CCB	5
609	Single Sided Copper Clad Board Presensitized	6X6	CCB	5
612	Single Sided Copper Clad Board Presensitized	6X9	CCB	5
630	Single Sided Copper Clad Board Presensitized	8X12	CCB	5
650	Double Sided Copper Clad Board Presensitized	6X6	CCB	5
660	Double Sided Copper Clad Board Presensitized	6X9	CCB	5

## Prototyping Chemicals



### Developer

Stock Code	Product Name	Size	Form	Case Qty
418-500ML	Developer	17 oz	Liquid	10

### Ferric Chloride Copper Etchants

Stock Code	Product Name	Size	Form	Case Qty
415-115G	Ferric Chloride Powder, makes one pint	4 oz	Powder	5
415-500ML	Ferric Chloride Solution	17 oz	Liquid	10
415-1L	Ferric Chloride Solution	33 oz	Liquid	6
415-4L	Ferric Chloride Solution	1 gallon	Liquid	1

### Sodium Persulphate Copper Etchant

Stock Code	Product Name	Size	Form	Case Qty
4101-1KG	Sodium Persulphate	2.2 lbs.	Crystals	6

### Ammonium Persulphate Copper Etchant

Stock Code	Product Name	Size	Form	Case Qty
410-1KG	Ammonium Persulphate	2.2 lbs.	Crystals	6

### Liquid Tin

Stock Code	Product Name	Size	Form	Case Qty
421-500ML	Liquid Tin	17 oz	Liquid	4

## Prototyping Accessories



Stock Code	Product Name	Size	Form	Case Qty
416-T	Transparency Film, 5 Per Envelope		Sheets	1
416-RP	Etch Resist Pen		Pen	2
8420-P	Silver Print - Conductive Pen	8.5 grams	Pen	2
842-20G	Silver Print	20 grams	Liquid	1
843-250G	Silver Coated Copper Print - Bulk	250 grams	Liquid	1
840-20G	Nickel Print	20 grams	Liquid	5

Refer to website [www.mgchemicals.com/prototyping](http://www.mgchemicals.com/prototyping) for more prototyping products

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