

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



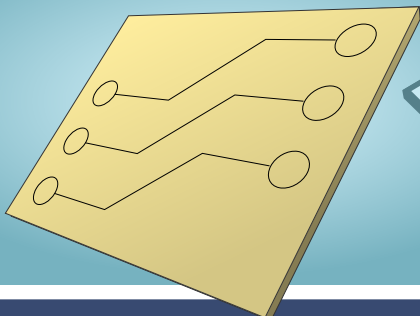
416-E Kit



WHAT IS PROTOTYPING?

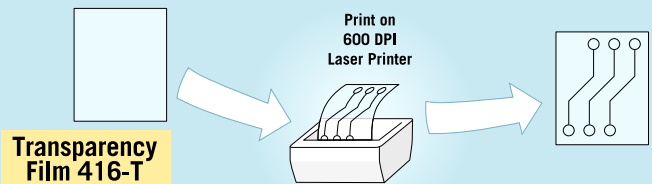
It is the process of creating your own circuitboard. Computer generated artwork defines the copper traces on the resulting board, making virtually any design possible.

COMPLETED BOARD

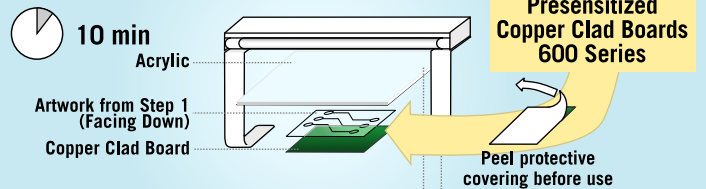


THE PROCESS

1 Create Artwork



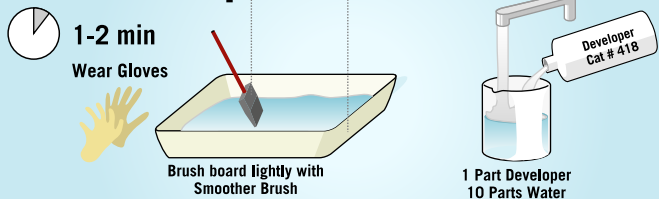
2 Expose



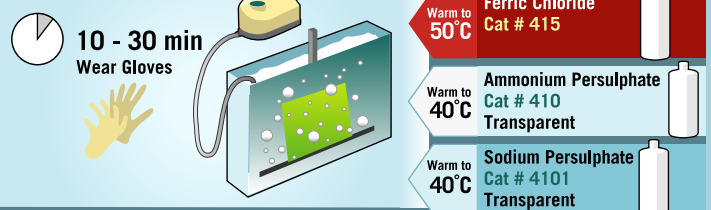
Exposure Kit 416-X

Photofabrication Kit 416-K

3 Develop



4 Etch



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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 for more prototyping products

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