



## Uncoated Copper Clad Boards

We offer 1/16", 1/32" and 1/64" FR4 laminate with 1 ounce copper per square foot. This flame retardant laminate is translucent in color and made of continuous woven glass cloth impregnated with epoxy resin.

The copper on 1 ounce board is 1.34 mil thick (0.0341mm). The boards are made of FR4 which is a flame retardant version of G-10 material. Developed specifically for the circuit processing industries requirements. Complies with Mil-S-13949H-GFK. Provides ultraviolet blocking and fluorescence when using automated optical inspection (AOI). UL #E37002A

PCB Thickness	Dimension	Copper	Digi-Key Part No.	Price Each
<b>Single Sided</b>				
1/16"	3" x 5"	1oz.	473-1000-ND	4.42
1/16"	4" x 6"	1oz.	473-1001-ND	5.44
1/16"	6" x 6"	1oz.	473-1002-ND	6.72
1/16"	6" x 9"	1oz.	473-1003-ND	9.54
1/16"	8" x 10"	1oz.	473-1004-ND	14.66
1/16"	12" x 12"	1oz.	473-1005-ND	19.14
1/32"	4" x 6"	1oz.	473-1008-ND	5.68
1/32"	6" x 9"	1oz.	473-1009-ND	9.98
1/32"	12" x 12"	1oz.	473-1026-ND	19.62
1/64"	6" x 9"	1oz.	473-1012-ND	9.98
<b>Double Sided</b>				
1/16"	6" x 6"	1oz.	473-1006-ND	7.62
1/16"	12" x 12"	1oz.	473-1007-ND	21.76
1/32"	4" x 6"	1oz.	473-1010-ND	6.22
1/32"	6" x 9"	1oz.	473-1011-ND	10.38
1/32"	12" x 12"	1oz.	473-1027-ND	22.44
1/64"	6" x 9"	1oz.	473-1013-ND	10.38

## Positive Coated Presensitized Boards

Our presensitized boards provide high resolution and excellent fine line control. They are ideal for prototypes, small production runs, and student training. White protective peel-off liner is attached to protect board from incident light and scratching.

We also offer a large thin (12" x 18" x 1/32 inch) cat#675 paper phenolic presensitized board (Easy Cutting!), perfect for cutting into smaller boards with no special equipment. Perfect for the classroom.

PCB Thickness	Dimension	Copper	Digi-Key Part No.	Price Each
<b>Single Sided</b>				
1/16"	3" x 5"	1oz.	473-1014-ND	9.30
1/16"	4" x 6"	1oz.	473-1015-ND	9.98
1/16"	6" x 6"	1oz.	473-1016-ND	11.32
1/16"	6" x 9"	1oz.	473-1017-ND	16.68
1/32"	4" x 6"	1oz.	473-1020-ND	10.18
1/32"	6" x 9"	1oz.	473-1021-ND	16.68
<b>Paper Phenolic Single Sided</b>				
1/32"	12" x 18"	1oz.	473-1018-ND	36.10
<b>Double Sided</b>				
1/16"	6" x 6"	1oz.	473-1023-ND	15.60
1/16"	6" x 9"	1oz.	473-1024-ND	21.36
1/32"	6" x 9"	1oz.	473-1025-ND	21.36
1/64"	6" x 9"	1oz.	473-1022-ND	21.36
<b>Paper Phenolic Double Sided</b>				
1/32"	8" x 12"	1oz.	473-1019-ND	30.08

## Exposure Kit

Convenient kit required to "expose" presensitized copper-clad boards. Includes exposure tube, clear-acrylic weight for artwork, fluorescent-light fixture with stand and complete instructions.

473-1030-ND	PCB Photo Exposure Kit - 115VAC	\$53.52
473-1031-ND	Replacement Exposure Bulb	\$11.98

## Economical Etching System

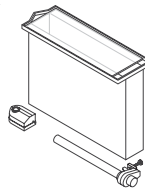
Ideal for students and hobbyists. An inexpensive etching solution.

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

473-1029-ND	Economical Etching System	\$42.82
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## Etching Copper Clad Circuits

- 7 liter heavy duty polyethylene etching tank
- Sturdy mounting bracket
- Clear acrylic lid
- Heavy duty air pump
- Three way adjustable airline manifold
- Triple line sparging unit
- 200 watt "Over the Side" immersion heater with quartz element, preset/adjustable temperature control
- Adhesive digital thermometer
- Bag of vinyl gloves
- Complete instructions



Description	Digi-Key Part No.	Price Each
Kit Etching PCB with Heater and Pump Replacement Immersion Heater - 115VAC	473-1028-ND	196.00
Transparency Film (5 sheets), 8" x 11.5"	473-1039-ND	40.12
Foam Brush for ethcanol or developer	473-1038-ND	10.64
Latex Disposable Gloves (10 pr gloves)	473-1040-ND	2.34
	473-1041-ND	7.96

## Desoldering Braid Super Wick™

RMA type flux. Come on static dissipative spools on all sizes. No Clean Wick (NS) offers Halide free residue that is non-corrosive and does not require cleaning.

Length Feet	Width Inches	Color	Digi-Key Part No.	Price Each
<b>Fine Braid RMA Flux</b>				
5	0.025	#1 White (SMT)	473-1060-ND	2.82
5	0.050	#2 Yellow	473-1061-ND	2.82
5	0.075	#3 Green	473-1062-ND	2.94
5	0.100	#4 Blue	473-1063-ND	3.18
5	0.125	#5 Brown	473-1064-ND	3.54
25	0.050	#2 Yellow	473-1065-ND	13.32
25	0.075	#3 Green	473-1066-ND	13.32
25	0.100	#4 Blue	473-1067-ND	14.66
50	0.050	#2 Yellow	473-1069-ND	26.72
50	0.075	#3 Green	473-1070-ND	26.72
50	0.100	#4 Blue	473-1071-ND	28.06
100	0.050	#2 Yellow	473-1072-ND	52.18
100	0.075	#3 Green	473-1073-ND	52.18
100	0.100	#4 Blue	473-1074-ND	54.86
<b>Fine Braid No Clean</b>				
5	0.050	#2 Yellow	473-1075-ND	3.18
5	0.075	#3 Green	473-1076-ND	3.30
5	0.100	#4 Blue	473-1077-ND	3.54
50	0.075	#3 Green	473-1078-ND	30.74
50	0.100	#4 Blue	473-1079-ND	33.42

## Prototyping Maintenance / Repair Pens

Convenient micro tip pen allows for delicate spot repair and maintenance on circuit boards. Choose from a wide range of pens.

Description	Digi-Key Part No.	Price Each
Etch Resistant Trace Pen	473-1032-ND	7.96
Rosin Flux Pen	473-1033-ND	7.96
Flux Remover Rework Pen	473-1034-ND	6.62
Conductive Silver Trace Pen	473-1035-ND	22.70
Green Overcoat Pen (Acrylic)	473-1036-ND	10.64
Silicone Conformal Coating Pen	473-1037-ND	11.98

## NEW! Potting and Encapsulating Compound

Provides excellent protection from impact, shock, moisture, abuse, chemicals, and analysis. Provides technology security. Excellent for explosion proof components. **Features:** • Non-conductive, an electrical insulator • Non-porous • Water and chemical resistant • Provides excellent technology security, extremely difficult to remove once cured • Excellent machining properties • Suitable for explosion proof components, spark arresting • Low toxicity • Easy and simple to mix • Long pot life • Can be cured in one hour at 65°C (150°F)



Description	Digi-Key Part No.	Price Each	MG Part No.
Standard Black Compound, 375 ml	473-1082-ND	37.44	832B-375ML
Standard Clear Compound, 375 ml	473-1083-ND	36.10	832C-375ML
Flame Retardant Epoxy, 375 ml	473-1084-ND	40.12	832FRB-375ML
Thermally Conductive Epoxy, 450 ml	473-1089-ND	44.14	832TC-450ML
High Temperature Epoxy, 375 ml	473-1085-ND	42.80	832HT-375ML

## Cleaning Wipes

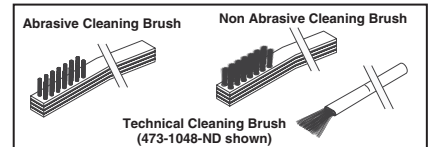
Description	Digi-Key Part No.	Price Each	MG Part No.
Presaturated Alcohol Wipes - 75 wipes	473-1081-ND	11.98	8241-T
Presat. LCD Cleaning Wipes - 75 wipes	473-1080-ND	10.64	8242-T
Microfiber Super Cloth 10 wipes	473-1088-ND <b>NEW!</b>	29.40	8281-10
LCD Cleaning Wipe 25 per box	473-1086-ND <b>NEW!</b>	18.50	8242-WX25
Plasma Screen Cloth Individual	473-1087-ND <b>NEW!</b>	7.96	8280

## Brushes

**Abrasive Brushes:** Excellent utility brush. Great for cutting corrosion and removing oxides from connector ends. Also great for cleaning soldering iron tips. Burnish contacts without removing base metals. An excellent gold contact cleaner.

**Non Abrasive Brushes:** Excellent for removing flux and general cleanup. Can be used dry or wet. Works well with sticky or crusty materials.

**Technical Cleaning Brushes:** Works well for dusting, cleaning with fluids and general cleanup. Excellent for removing flux.



Description	Digi-Key Part No.	Price Each
<b>Abrasive Cleaning Brushes</b>		
Stainless Steel, Brush Face 1 3/8" x 7/16"	473-1043-ND	7.96
Brass, Brush Face 1 3/8" x 7/16"	473-1044-ND	7.96
<b>Non Abrasive Cleaning Brushes</b>		
Hog Hair, Brush Face 1 3/8" x 7/16"	473-1045-ND	7.30
Hog Hair, Brush Face 2 1/4" x 1"	473-1046-ND	16.00
Horse Hair, Brush Face 1 3/8" x 7/16"	473-1047-ND	5.96
<b>Technical Cleaning Brushes</b>		
Horse Hair (5 pcs.), Brush Face 1/4" x 3/8"	473-1048-ND	3.94
Double Ended Horse Hair, Brush Face 1/4" x 5/16"	473-1049-ND	10.64
Wooden Chisel Hog Hair, Brush Face 3/4" x 5/16"	473-1050-ND	9.98

## Swabs

**Double Headed Cotton Swab:** Low lint, extra absorbent U.S.P. pharmaceutical grade purified cotton bonded on a 6" white birch shaft for extra rigidity. Compatible with all solvents.

**Tapered Swab:** Low lint, extra absorbent U.S.P. pharmaceutical grade purified cotton bonded on a 6" white birch shaft for extra rigidity. Compatible with all solvents.

**Antistatic Foam Over Cotton Swab:** Antistatic, shred resistant, 100% urethane foam heads with 100 PPI porosity over extra absorbent U.S.P. pharmaceutical grade purified cotton. Bonded securely to a 6" birch shaft. Compatible with most solvents.

**Foam Over Cotton Swab:** Shred resistant, 100% urethane foam heads with 100 PPI porosity over extra absorbent U.S.P. pharmaceutical grade purified cotton. Bonded securely to a 6" birch shaft. Compatible with most solvents.

**General Foam Swab:** Shred resistant, 100% urethane foam heads with 100 PPI porosity. Bonded securely to a 6" birch shaft.

**Rectangular Foam Swab:** Large foam head bonded to sturdy handle for aggressive cleaning applications.

Description	Digi-Key Part No.	Price Each
<b>Double Headed Cotton</b>		
100 Swabs per package	473-1051-ND	4.34
<b>Tapered</b>		
Double Headed, 100 Swabs per package	473-1052-ND	4.34
<b>Foam Over Cotton</b>		
Single Headed, 10 Swabs per package	473-1053-ND	7.02
Single Headed, 50 Swabs per package	473-1054-ND	21.36
<b>Antistatic Foam Over Cotton</b>		
10 Swabs per package	473-1055-ND	7.96
<b>General Foam</b>		
Single Headed, 10 Swabs per package	473-1056-ND	5.68
Single Headed, 50 Swabs per package	473-1057-ND	18.70
<b>Rectangular Foam</b>		
10 Swabs per package	473-1058-ND	7.30
50 Swabs per package	473-1059-ND	21.36

More Product Available Online: [www.digkey.com](http://www.digkey.com)