

# 3 COPPER CLAD 4-PACKS


Rigid & Flex Laminates

## PCB FAB-IN-A-BOX


### 4 Board Packs

Size: 6"x8", 1/2oz Copper, Epoxy Fiberglass FR-4 (G10)


<b>SAMPLER Pack</b>	<b>SINGLE-Sided</b>	<b>DOUBLE-Sided</b>
<ul style="list-style-type: none"> <li>.032" Rigid, SS + DS</li> <li>.005" Flex, SS + DS</li> <li>.020" CarrierBoard</li> </ul>	<ul style="list-style-type: none"> <li>4 Panels</li> <li>.032" Rigid</li> </ul>	<ul style="list-style-type: none"> <li>4 Panels</li> <li>.032" Rigid</li> </ul>



PCB Sampler Pack



PCB 6x8, 4x, S/S



PCB 6x8, 4x, D/S

**Pulsar** PROFESSIONAL fx

www.PulsarProFX.com Phone: (850) 926-2009  
4611 Crow Creek Drive, Colorado Springs, CO 80922

3 Arrangements  
6"x8", 1/2oz copper



**1) SAMPLER Pack:**

- 1x .032" Single-sided
- 1x .032" Double-sided
- 1x .005" FlexPCB S/S
- 1x .005" FlexPCB D/S
- 1x Flex Carrier Board

**2) SINGLE-Sided Pack:**

- 4x .032"

**3) DOUBLE-Sided Pack**

- 4x .032"

**ALL "PulsarProFX" PRODUCTS:**

**KITS:**

- PCB "Fab-In-A-Box" [50-1003](#)
- PCB "Fab-In-A-Box" (MINI kit) [50-1006](#)
- Combo (PCB + DecalPro) [50-1004](#)
- DecalPRO (10min Graphics) [50-1001](#)

**LAMINATOR:**

- Applicator (12" 120 vac) [50-1301C](#)

**SUPPLIES:**

- PAPER: Toner Transfer Paper [50-1101](#)
- FOIL: GreenTRF (Etching) [50-1225](#)
- FOIL: WhiteTRF (Silkscreen) [50-1226](#)
- FOILS: "DecalPro" [50-1201](#) ~ [50-1299](#)
- CARRIER BOARD: "DecalPro" [50-1503](#)

**COPPER CLAD: 8" x 10"**

- 2pk Rigid .032" Single Sided [50-1501](#)
- 2pk Rigid .032" Double Sided [50-1502](#)
- 2pk Flex .005" Single Sided [50-1504](#)
- 2pk Flex .005" Double Sided [50-1505](#)

**COPPER CLAD: 6" x 8"**

- 4pk Rigid .032" Single Sided [50-1507](#)
- 4pk Rigid .032" Double Sided [50-1508](#)
- 4pk Sampler (Mixed)... [50-1506](#)  
(.005" SS+DS and .032" SS+DS)

**Underwriters Laboratories:** All materials meet UL-94VO

**General Information:**

MIL-P-13949G Type Designation GFU.L. Designation – ANSI Grade FR-4  
 U.L. File Number E38534  
 Flammability Rating 94V-0  
 Maximum Operating Temperature 130°C  
 Copper Weight 1/2 oz.

**Peel Strength:**

As received 10 lbs/in, min  
 After Thermal Stress (550°F, 20 sec) 10 lbs/in, min  
 After Processing Solutions 9 lbs/in, min  
 At Elevated Temperature 8 lbs/in, min

**Difunctional FR-4/G-10 Properties:**

Flexural Strength Lengthwise 90 KSI, min  
 Permittivity, 1MHZ 4.7 max  
 Loss Tangent, 1MHZ .015, max  
 Water Absorption .15, max  
 ARC Resistance 120 sec, min  
 Volume Resistivity (Cond F) 1.0 x 10<sup>8</sup>, min  
 Surface Resistivity (Cond. F) 1.0 x 10<sup>7</sup>, min  
 Volume Resistivity E-24/125 5 x 10<sup>5</sup>, min  
 Surface Resistivity E-24/125 1 x 10<sup>5</sup>, min  
 Chemical Resistance 1.5%  
 Standard Tolerance +/- .0050  
 Class 3 Tolerance +/- .0035

Check out our unique "[Contact Etch](#)" technique for no etching tank needed and fast etch times under 2 minutes.



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For more information about our techniques we invite you to visit our website at [PulsarProFX.com](#) or call us at (850) 926-2009, 9am-5pm MST