

COPPER CLAD "RIGID"

KIT REPLACEMENT ITEM

PCB FAB-IN-A-BOX

DOUBLE-Sided PCB

KIT REPLACEMENT ITEM

PCB FAB-IN-A-BOX

SINGLE-Sided PCB

RATING: FR-4/G10

MATERIAL: FIBERGLASS

QUANTITY: 2 PANELS

THICKNESS: .032"

PANEL SIZE: 8"x10"

COPPER WT: 1/2oz

Material Characteristics: Difiunctional FR-4/G-10 rigid laminates are manufactured from high reliability epoxy resin and woven glass fabric used for multi-layer copper clad one or two sided boards.

Pulsar

PROFESSIONAL fx

Corporate Office: 2800 S. Crow Creek Dr., Suite 200, Colorado Springs, CO 80922-4615
www.pulsarprofx.com | 855-269-2009

Made in U.S.A. / Tech Support in U.S.A.

FR-4/G10 epoxy fiberglass prepreg with 1/2 ounce Copper foil for very fast etch times, enabling trace widths down to .005".

With the total thickness of .032", cutting/trimming is easily done using any conventional paper cutter. Made in the USA.



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

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](#)

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 10⁸, min
 Surface Resistivity (Cond. F) 1.0 x 10⁷, min
 Volume Resistivity E-24/125 5 x 10⁵, min
 Surface Resistivity E-24/125 1 x 10⁵, min
 Chemical Resistance 1.5%
 Standard Tolerance +/- .0050
 Class 3 Tolerance +/- .0035

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)

