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.

Underwriters Laboratories: All materials meet UL-94V0

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 10⁶, min
- Surface Resistivity E-24/125 1 x 10⁵, min
- Chemical Resistance 1.5%
- Standard Tolerance +/- .0050
- Class 3 Tolerance +/- .0035

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
(0.005” SS+DS and .032” SS+DS)