

STANDARD MATERIALS

BASE MATERIALS:

Polyimide:

.0005" to .005"
(.012mm - .127mm)

Polyester:

.002" to .010"
(.050mm - .254mm)

Adhesiveless Materials:

Copper thickness
.5 oz. to 4 oz.

Flame Retardant:

Laminates and Coverlay

Other Materials Upon Request

BASE COPPER:

.5 oz. - .0007" (.018mm) thick copper

1 oz. - .0014" (.036mm) thick copper

2 oz. - .0028" (.071mm) thick copper

3 oz. - .0042" (.107mm) thick copper

4 oz. - .0056" (.142mm) thick copper

5 oz. - .0070" (.178mm) thick copper

6 oz. - .0084" (.213mm) thick copper

7 oz. - .0098" (.249mm) thick copper

Thicker coppers are available (call for information). See current carrying chart on page 22.

SOLDER MASK:

Polyimide coverlay:

.0005" to .005"
(.012mm - .127mm)

Polyester coverlay:

.0015" to .003"
(.038mm - .076mm)

Photo-imageable covercoat:

LPI - Liquid Photo Imagable - for high density applications.

SURFACE FINISH:

Hot Air Solder Level (HASL)

RoHS Compliant and Tin Lead

Tin Plating (RoHS Compliant)

Electroless and electrolytic

Silver (RoHS Compliant)

Immersion

Hard Gold over Nickel

(RoHS Compliant)

(Typically used for contacts)

Soft Gold over Nickel

(RoHS Compliant)

(Electrolytic - sometimes used for bonding gold wire to the gold layer)

ENIG (Electroless Nickel

Immersion Gold) (RoHS

Compliant)

(Electroless - sometimes used for bonding aluminum wire to the nickel under the gold)

Organic Coating

OSP (RoHS Compliant)

RIGIDIZERS/STIFFENERS:

FR4-drilled, routed, or scored

Aluminum

Polyimide

Polyester

Stainless Steel

CERTIFICATIONS:

ISO 9001: 2008 Certified

AS9100C

MIL-P-50884E Qualified

RoHS Compliant

IPC Member: Product is manufactured in accordance with the requirements of IPC-6013B Classes 1, 2, 3

ITAR Registered

JCP Certified

UL Recognized: for single and double sided constructions with individual polyimide layers up to 5 mil, including several surface finishes. (File # E161240)

Flexibility to meet customers needs