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)