

**ISSBO INC.**

20 Mount Street, Unit 7, Richmond Hill,  
ON L4B 1E3 Canada

**TITLE:**

ISSBO45-41-ENV3 LED Board)

**PROJECT:**

Date: **March 01, 2003**

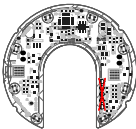
Contact: **Barbara Schell**

**DESIGN FILE  
EXTENSION****Layer Stack Up Detail for: ISSBO45-08**

**Layer** **FR4 0.0078"**

**.01L** Top Layer 0.8 oz  
**.01P** CHEN Internal Plane 1: 0.8 oz  
**.02** MID 1 Signal Middle Layer 3: 0.8 oz  
**.02** MID 2 Signal Middle Layer 3: 0.8 oz  
**.02P** CHEN Internal Plane 4: 0.8 oz  
**.03L** Bottom Layer 0.8 oz

Prepreg Top Layer to Internal Plane 1: 0.8 mils  
Core Internal Plane 1 to Middle Layer 1: 34 mils  
Prepreg Middle Layer 1 to Middle Layer 3: 4.8 mils  
Core Middle Layer 3 to Internal Plane 2: 38 mils  
Prepreg Internal Plane 2 to Bottom Layer: 3.8 mils



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**TITLE**

ISSBO45-41-ENV3 LED Board

**PROJECT****Date**

March 02, 2003

**Contact**

Barbara Schell

**ISSBO FILE  
EXTENSION****Layer Stack Up Detail for ISSBO45-02**

**Layer** **Thickness** **Material**

.07L Top Layer 0.8 mm  
.07F GFR Internal Plane 1: 0.8 mm  
.01 MD 1 Signal Middle Layer 1: 0.5 mm  
.01 MD 2 Signal Middle Layer 2: 0.5 mm  
.07F GFR Internal Plane 4: 0.8 mm  
.01L Bottom Layer 0.8 mm

Prepreg Top Layer to Internal Plane 1: 0.8 mils  
Core Internal Plane 1 to Middle Layer 1: 34 mils  
Prepreg Middle Layer 1 to Middle Layer 2: 4.8 mils  
Core Middle Layer 2 to Internal Plane 2: 38 mils  
Prepreg Internal Plane 2 to Bottom Layer: 3.8 mils

