COLUMBIA UNIVERSITY
PCB NAME: PCIDDR
PCB REV: A
DATE: 12/4/2003

NOTES:
1. ALL DIMENSIONS ARE IN INCHES.
   TOLERANCES UNLESS NOTED OTHERWISE = +/-0.010"
2. THIS IS A B LAYER BOARD, 0.005" MIN ETCH/SPACE. MATERIAL:
   FRA BASE LAMINATE
   1 OZ. FINISHED CU EXTERNAL
   1 OZ. FINISHED CU INTERNAL
3. THRU HOLES AND EXPOSED PADS SHALL BE SOLDER PLATED (HASL)
4. ALL DRILL SIZES INDICATE FINISHED HOLE SIZE.
5. CORE/PREPRES THICKNESSES MAY DEVIATE FROM NOMINAL VALUES SHOWN
   IN THE STACKUP BELOW AT THE DISCRETION OF THE MANUFACTURER.
6. GOLD PLATE FINGERS ALONG AREA A.
7. SILKSCREEN BOTH SIDES WITH WHITE EPOXY INK. NO INK ON EXPOSED PADS.
8. SOLDERMASK BOTH SIDES LPI GREEN (MBGC).
9. ALL VIAS ARE TINNED AND TOP-SIDE SOLDERMASK OPENING.
10. FINISHED BOARD THICKNESS = 0.062" +/-0.001"
11. REMOVE ALL BURRS AND BREAK SHARP EDGES (0.015" MAX).
12. LAYERS 2.5, AND 7 (GND PLANES) ARE IDENTICAL AND SHORTED TOGETHER.

DRILL CHART

<table>
<thead>
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<th>SYM</th>
<th>DIA</th>
<th>TOLER</th>
<th>QTY</th>
<th>NOTE</th>
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<td>x</td>
<td>0.015</td>
<td>+/- 0.001</td>
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<tr>
<td>x</td>
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<td>+/- 0.001</td>
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<td>TOTAL</td>
<td></td>
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<td>86d</td>
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BOARD STACKUP:
1. TOP (PRIMARY SIGNAL)
2. GND (PLANE)
3. CORE 0.005"
4. PREPRES 0.005"
5. INNER (INNER SIGNAL)
6. GND (PLANE)
7. PREPRES 0.005"
8. GND (PLANE)
9. PREPRES 0.0036"
10. BOTTOM (SECONDARY SIGNAL)
IN INCHES, NOTED OTHERWISE = +/-0.010"  
BOARD, 0.005" MIN ETCH/SPACE, MATERIAL:  
E E  
U EXTERNAL  
I INTERNAL  
SOLDERED PADS SHALL BE SOLDER PLATED (HASL)  
ICATE FINISHED HOLE SIZE.  
ESSES MAY DEVIATE FROM NOMINAL VALUES SHOWN  
34 AT THE DISCRETION OF THE MANUFACTURER.  
ALONG AREA A.  
ES WITH WHITE EPOXY INK. NO INK ON EXPOSED PADS.  
ES LPI GREEN (G08C), 0.062" +/-10%  
AND TOP-SIDE SOLDERMASK OPENING).  
CKNESS = 0.062" +/-10%  
ND BREAK SHARP EDGES (0.015" MAX).  
GND PLANES ARE IDENTICAL AND SHORTED TOGETHER.  

TOP (PRIMARY SIGNAL)  
GND (PLANE)  
PWR1 (SPLIT PLANE)  
INNER (INNER SIGNAL)  
GND (PLANE)  
PWR2 (SPLIT PLANE)  
GND (PLANE)  
BOTTOM (SECONDARY SIGNAL)