Notes (Unless Otherwise Specified):

1. All dimensions are in inches.
2. Dimensions in [xxx] are in millimeters.
3. Material: 10 MIL Rogers RO4835 Dk = 3.66
4. Mounting holes are not plated.
5. Line Width = 19.5 MIL.
6. Launch Taper = 9 MIL. X 40 MIL.
7. Max Frequency = 70GHz
8. Hole Diameters are stated as finished hole size.
9. Plated through holes are to have a minimum of .001" copper.
10. No soldermask required.
11. Fabrication Tolerance: End product line widths and lands +/- .0005".
12. Copper Specification: 1/2 oz. CU ± .0002, 1.8 MILS Finished
13. Plating Specification: 3 to 10 microinches Gold over 100 microinches Nickel.

**PCB Stackup**

- Top Side: 1.8 MIL Conductor
- 10 MIL Rogers RO4835
- Additional Layers (Optional)

**Mounting Holes**

<table>
<thead>
<tr>
<th>Body Width</th>
<th>A</th>
<th>B</th>
<th>Ø C</th>
</tr>
</thead>
<tbody>
<tr>
<td>.370 (Narrow)</td>
<td>.250</td>
<td>.100</td>
<td>.073</td>
</tr>
<tr>
<td>.500 (Standard)</td>
<td>.375</td>
<td>.110</td>
<td>.078</td>
</tr>
</tbody>
</table>

**DETAIL A**

- Taper Width: 0.0090 [0.23]
- Taper Length: 0.0300 [0.76]
- Line Width: 0.0220 [0.56]
- Width: 0.0110 [0.28]
- Width: 0.0120 [0.3]
- Width: 0.0150 [0.38]
- Diameter: 0.0080 [0.2]
- Diameter: 0.0220 [0.56]
- Diameter: 0.0250 [0.64]
- Diameter: 0.0410 [1.04]
- Diameter: 0.0420 [1.07]
- Diameter: 0.0860 [2.18]
- Diameter: 0.1360 [3.45]
- Diameter: 0.195 [0.5]

**MATERIAL**

ROGERS RO4835
Dk = 3.66

**APPROVAL DATE**

05/26/15