

| Layer     | Calc Thickness   | Primary Stack | Description                          |
|-----------|------------------|---------------|--------------------------------------|
| Layer - 1 | 0.0005<br>0.0020 |               | Taiyo 4000-BN<br>1/2oz Sig (Std Plt) |
| Layer - 2 | 0.0042<br>0.0006 |               | 370H<br>1/2oz P/G                    |
| Layer - 3 | 0.0006<br>0.0470 |               | 370H<br>1/2oz P/G                    |
| Layer - 4 | 0.0006<br>0.0042 |               | 370H<br>1/2oz Sig (Std Plt)          |
| Layer - 4 | 0.0020<br>0.0005 |               | Taiyo 4000-BN                        |

Materials: Isola 370H High-Tg FR4

| Requirement              | Req. Thickness | Tol +  | Tol -  | Calc Thick |
|--------------------------|----------------|--------|--------|------------|
| Incl. Plating & Mask     | 0.0620         | 0.0062 | 0.0062 | 0.0616     |
| Incl. Mask over Laminate | 0.0580         | 0.0058 | 0.0058 | 0.0576     |
| Incl. Plating            | 0.0610         | 0.0061 | 0.0061 | 0.0606     |
| After Lamination         | 0.0582         | 0.0029 | 0.0029 | 0.0578     |
| Over Laminate            | 0.0570         | 0.0057 | 0.0057 | 0.0566     |

| Impedance Type | Layer | Design | Actual  | Pitch | Plane | Target | Tol (ohms) | Predict |
|----------------|-------|--------|---------|-------|-------|--------|------------|---------|
| 1  Surface MS  | L1    | -      | 0.00725 | -     | -     | 50     | 5.0        | 49.94   |
|                | -     | -      | -       | -     | L2    |        |            |         |
| 2  Surface MS  | L4    | -      | 0.00725 | -     | L3    | 50     | 5.0        | 49.94   |
|                | -     | -      | -       | -     | -     |        |            |         |