

## 6 Layer Stackup

Please modify the variables below and then click on the 'Calculate' button to find the Characteristic Impedance and Differential Impedance of the traces

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6 Layer Stackup

| Layer | Material Type | Dielectric Thickness | Trace Width | Trace Separation (edge to edge) | Copper Thickness | Dielectric Constant | Characteristic Impedance (Zo) | Differential Impedance (Zdiff) |
|-------|---------------|----------------------|-------------|---------------------------------|------------------|---------------------|-------------------------------|--------------------------------|
| 1     | Conductive    | .                    | 5.98        | 9.84                            | 1.1              | .                   | 50                            | 96                             |
| .     | Dielectric    | 3.93                 | .           | .                               | .                | 4.3                 | .                             | .                              |
| 2     | Conductive    | .                    | .           | .                               | 1.4              | .                   | .                             | .                              |
| .     | Dielectric    | 5,895                | .           | .                               | .                | 4.3                 | .                             | .                              |
| 3     | Conductive    | .                    | 4.15        | 5.                              | 0.5              | .                   | 56                            | 96                             |
| .     | Dielectric    | 5,895                | .           | .                               | .                | 4.3                 | .                             | .                              |
| 4     | Conductive    | .                    | 4.15        | 5.                              | 0.5              | .                   | 56                            | 96                             |
| .     | Dielectric    | 5,895                | .           | .                               | .                | 4.3                 | .                             | .                              |
| 5     | Conductive    | .                    | .           | .                               | 1.4              | .                   | .                             | .                              |
| .     | Dielectric    | 7                    | .           | .                               | .                | 4.7                 | .                             | .                              |
| 6     | Conductive    | .                    | 7           | 7                               | 0.7              | .                   | 66                            | 108                            |

Calculate

Please click [here](#) to choose a different layer stackup.