

**Double Trouble v1.2 Stack-up information:**

L1-----18UM

1080\*1 RC64% dk4.1 2.966mil

L2/3-----0.13MM 18/18UM

1080\*2 RC64% dk4.1 5.662mil

L4/5-----0.13MM 18/18UM

1080\*2 RC64% dk4.1 5.62mil

L6/7-----0.10MM 18/18UM

3313\*1 RC55% dk4.34 3.378mil

L8/9-----0.10MM 18/18UM

1080\*2 RC64% dk4.1 5.674mil

L10/11-----0.13MM 18/18UM

1080\*2 RC64% dk4.1 5.668mil

L12/13-----0.13MM 18/18UM

1080\*1 RC64% dk4.1 2.966mil

L14-----18UM

Calculated thickness: 1.78mm

Final thickness: 1.8mm+/-0.2mm

**Double Trouble v1.2 impedance control:**

Layers	Type	Width/space (mil)	Shield layers	Target values (ohm)	Calculated values (ohm)	Adjusted width/space (mil)	Values after adjusted (ohm)
L1/L14	Diff	3.5/4.5	L2 L13	100	90.16		
L1/L14	Single-ended	4	L2 /L13	50	51.32	4.2	50.29
L3/L5/L 10/L12	Diff	3.5/4.5	L2 /L4 L4/L6 L9/L11 L11/L13	100	96.98	4/4	90
L3/L5/L 10/L12	Single-ended	4	L2 /L4 L4/L6 L9/L11 L11/L13	50	52.8	4.5	50