












Impedance & Stackup Report

Single Ended							
Index	Layer	Imp Model	Ref Layer	Orginal LW/LS(mil)	Adjusted LW/LS(mil)	Adjusted Imp(ohm)	Org Imp (ohm)
1	L1		L2	ORG_LW: 4.488	ADJ_LW: 4.866	50.01	50.0+/-5%
2	L10		L8/L11	ORG_LW: 4.016	ADJ_LW: 3.614	49.90	50.0+/-5%
3	L12		L11	ORG_LW: 4.488	ADJ_LW: 4.866	50.01	50.0+/-5%
4	L3		L5/L2	ORG_LW: 4.016	ADJ_LW: 3.614	49.90	50.0+/-5%
5	L4		L2/L5	ORG_LW: 4.016	ADJ_LW: 3.614	49.90	50.0+/-5%
6	L9		L11/L8	ORG_LW: 4.016	ADJ_LW: 3.614	49.90	50.0+/-5%
Differential							
Index	Layer	Imp Model	Ref Layer	Orginal LW/LS(mil)	Adjusted LW/LS(mil)	Adjusted Imp(ohm)	Org Imp (ohm)
7	L1		L2	ORG_LW: 3.898 ORG_S: 4.016	ADJ_LW: 3.308 ADJ_S: 4.605	100.00	100.0+/-5%
8	L10		L8/L11	ORG_LW: 3.898 ORG_S: 4.094	ADJ_LW: 2.874 ADJ_S: 5.118	99.60	100.0+/-5%
9	L3		L5/L2	ORG_LW: 3.898 ORG_S: 4.094	ADJ_LW: 2.874 ADJ_S: 5.118	99.60	100.0+/-5%
10	L3		L5/L2	ORG_LW: 4.094 ORG_S: 4.016	ADJ_LW: 3.543 ADJ_S: 4.567	89.79	90.0+/-5%
11	L9		L11/L8	ORG_LW: 3.898 ORG_S: 4.094	ADJ_LW: 2.874 ADJ_S: 5.118	99.60	100.0+/-5%

Impedance & Stackup Report

Lyr	產銅率_銅重	半成品代码	Image	Info.	客户要求
gtl	CU(%):29 0.330Z —plate to 10Z	ZLM		三井 Foil 0.33oz	
		ZLM		EM-827B 1080 RC65	70+18/-18um
12s	CU(%):85 0.50Z	101		EM-827 0.076mm 0.5/0.5(不含銅)	
13s	CU(%):4 0.50Z	ZLM		EM-827B 1080 RC65	121+25/-25um
		ZLM		EM-827B 1080 RC65	
14s	CU(%):3 0.50Z	102		EM-827 0.076mm 0.5/0.5(不含銅)	
15s	CU(%):85 0.50Z	ZLM		EM-827B 2116 RC53	114+18/-18um
16s	CU(%):59 0.50Z	103		EM-827 0.36mm 0.5/0.5(不含銅)	
17s	CU(%):50 0.50Z	ZLM		EM-827B 2116 RC53	114+18/-18um
18s	CU(%):85 0.50Z	104		EM-827 0.076mm 0.5/0.5(不含銅)	
19s	CU(%):2 0.50Z	ZLM		EM-827B 1080 RC65	121+25/-25um
		ZLM		EM-827B 1080 RC65	
110s	CU(%):3 0.50Z	105		EM-827 0.076mm 0.5/0.5(不含銅)	
111s	CU(%):85 0.50Z	ZLM		EM-827B 1080 RC65	70+18/-18um
gbl	CU(%):20 0.330Z —plate to 10Z	ZLM		三井 Foil 0.33oz	