

STACKUP & IMPEDANCE REPORT

Confidential / Proprietary Information

Planner: SSDC\_MAKARANDU

Job Name: **ch1591770-1**

Customer: **University of California, Berkeley**

Part Name: **PROPEL-V2**

Revision:

Customer Required Finished Thickness: **55.00 (+5.50 / -5.50) mils**

Measured: **Over mask on plated copper**

Estimated Finished Thickness: **53.79 mils**

Stackup Notes:  
Preliminary stack up:Reference only  
Data not provided

Imp	Lyr	Cu Usage	Type	Image	Foil	Thk (Mil)	Plt (Mil)	Er	Family	Generic Name
1xΩ	sm1					0.5				
	L1	24 / 64	Signal Power / Ground		0.5oz	4	0.8	3.48	RO4350B	0.004 HHxHH
	L2				0.5oz		0	3.72	FR-370HR	1080
						5.496		3.72	FR-370HR	1080
	L3	64 / 64	Power / Ground Power / Ground		0.5oz	28	0	4.24	FR-370HR	0.028 HHxHH
	L4				0.5oz		0	3.72	FR-370HR	1080
						5.496		3.72	FR-370HR	1080
	L5	64 / 24	Power / Ground Signal		0.5oz	4	0	3.80	FR-370HR	0.004 HHxHH
	L6				0.5oz		0.8			
	sm6					0.5				

Impedance Table

Index	Layer	Required Impedance [ohms]	Tol [ohms] +/-	Type	Ref 1	Lower Ref	Orig LW [mil]	Orig Spacing [mil]	Orig CP Spacing [mil]	Finished LW [mil]	Finished Spacing [mil]	Fin. CP Spacing [mil]	Impedance Simulation [ohms]	Impedance before Mask [ohms]	IMG
a	1	50	10%	SE Coated		2	7.10			7.10			49.9		