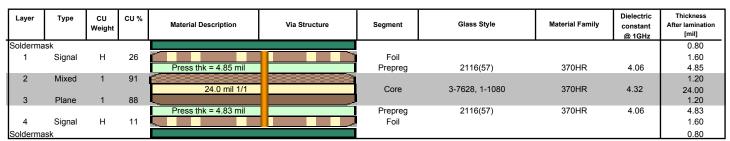
Job number:	OCULUS 4 LAYER	Material:	370HR	External	
Part number:	DK2, Rev: 3	Impedance:	Yes		
Customer:	OCULUS VR	Date:	29-Jan-2014	Stackup Report	
Panel size:	18X24	Created by:	Á	Report v1.71	



Specification (Over mask on plated copper):	mil
Overall Board Thickness:	40.0
Tolerance:	+4.0/-4.0
Min-Max Board Thickness:	36.0-44.0

Anticipated Board Thickness:	mil		
After lamination:	37.27		
Over mask on plated copper:	39.67		

Grain in 18" Dimension

Impedance Table

InSolver

Layer	Impedance	Tolerance [ohms]		Туре	Upper	Lower	Designed	Designed	Finished	Finished	Impedance
	Requirement [ohms]	+	-		Reference	Ref	Line Width [Mil]	Spacing [Mil]	Line Width [Mil]	Spacing [Mil]	Simulation [ohms]
	[OIIIIS]						[[IVIII]	[[IVIII]	[IVIII]	[IVIII]	[OIIIIS]
1	100	10	10	Differential		2	5.905	9.84	6.25	9.50	100.493
4	100	10	10	Differential		3	5.905	9.84	6.25	9.50	100.341

Remarks

PRELIMINARY STACK UP

^{*} Any targeted thickness .0046" and greater shall have a minimum tolerance of +/-.001 after lamination.

^{*} Any targeted thickness .0045" and below shall not be held to the minimum dielectric .0035429" as specified in IPC-6012 section 3.6.2.15. Unless agreed upon in writing. The minimum thickness per this exception shall not be less than .0009839" per IPC-6012 section 3.6.2.15.