

\*\*\* Valued Customer: If this stackup is accepted, please add this PDF to the production data package \*\*\*

Job number:	JC4439	Material:	RO4350B, PCL-370HR	<b>Stackup Report</b> Report v1.36    External		<b>G O R I L L A</b> C I R C U I T S   I N C.	
Part number:	ADC16DX370	Impedance:	Yes				
Customer:	TEXAS INSTRUMENTS	Date:	09-Oct-2013				
Panel size:	16X18	Created by:	JACKIE				

Layer	Type	CU Weight	CU %	Material Description	Via Structure	Segment	Glass Style	Material Family	Dielectric constant	Copper Plating Thickness (mils)	Thickness after lamination (mils)
Soldermask											0.80
I1comp	Mixed	H	100								2.00
				6.6 mil H/1		Core		RO4350B	3.7		6.60
I2pp	Plane	1.0	100								1.20
				Press thk = 4.62 mil		Prepreg	106(75) 1080(65)	PCL-370HR PCL-370HR	3.9 3.9		4.62
I3pp	Plane	1.0	60								1.20
				28.0 mil 1/1		Core		PCL-370HR	3.9		28.00
I4pp	Plane	1.0	60								1.20
				Press thk = 4.62 mil		Prepreg	1080(65) 106(75)	PCL-370HR PCL-370HR	3.9 3.9		4.62
I5pp	Plane	1.0	100								1.20
				6.6 mil 1/H		Core		RO4350B	3.7		6.60
I6sold	Mixed	H	100								2.00
Soldermask											0.80

Specification (Over mask on plated copper):	mil
Overall Board Thickness:	62.0
Tolerance:	+6.2/-6.2
Min-Max Board Thickness:	55.8-68.2

Anticipated Board Thickness:	mil
After lamination:	56.4
Over mask on plated copper::	60.8

#### Impedance Table

Layer	Impedance Requirement [ohms]	Tolerance [ohms]		Type	Upper Ref	Lower Ref	Designed Line Width [mil]	Designed Spacing [mil]	Coplaner Spacing [mil]	Finished Line Width [mil]	Finished Spacing [mil]	Impedance Simulation [ohms]
		+	-									
I1comp	100	10.0	10.0	Coated microstrip Diff	--	I2pp	8.00	8.00	--	7.25	8.75	100.8
I1comp	50	5.0	5.0	Coated microstrip SE	--	I2pp	13.00	--	--	11.25	--	49.9
I6sold	100	10.0	10.0	Coated microstrip Diff	--	I5pp	8.00	8.00	--	7.25	8.75	100.8
I6sold	50	5.0	5.0	Coated microstrip SE	--	I5pp	13.00	--	--	11.25	--	49.9

#### Remarks:

Note: Thieving has been added to all Inner Layers only.

Please Note: The stackup may change if the final manufacturing data is different from the information used to create this stackup