

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

Job number:	LE3884	Material:	FR408HR	Stackup Report	Report v1.38 External	G O R I L L A C I R C U I T S I N C .	
Part number:	DC2219A-1 FR408	Impedance:	Yes				
Customer:	LINEAR TECHNOLOGY	Date:	17-Mar-2014				
Panel size:	16X18	Created by:	ENRIQUE				

Layer	Type	CU Weight	CU %	Material Description	Via Structure	Segment	Glass Style	Material Family	Dielectric constant	Copper Plating Thickness [mil]	Thickness after lamination [mil]
Soldermask											0.80
L1	Signal	1.0	20	Press thk = 7.80 mil		Foil					2.60 *
						Prepreg	106(75)	FR408HR	3.40	1.40	7.80
							1080(65)	FR408HR	3.40		
							1080(65)	FR408HR	3.40		
	Blank / Targets			8.0 mil -/1		Core		FR408HR	3.40		8.00
L2	Plane	1.0	80	Press thk = 6.76 mil		Prepreg	2113(57)	FR408HR	3.40		1.20
							2113(57)	FR408HR	3.40		6.76
	Filler			8.0 mil -/1		Core		FR408HR	3.40		8.00
				Press thk = 6.76 mil		Prepreg	2113(57)	FR408HR	3.40		6.76
							2113(57)	FR408HR	3.40		
L3	Plane	1.0	80	8.0 mil 1/-		Core		FR408HR	3.40		1.20
	Blank / Targets			Press thk = 7.80 mil		Prepreg	1080(65)	FR408HR	3.40		8.00
							1080(65)	FR408HR	3.40		7.80
							106(75)	FR408HR	3.40		
L4	Signal	1.0	20			Foil				1.40	2.60 *
Soldermask											0.80

* Estimated Cu Plating for reference use only.

Specification (Over mask on plated copper:):	mil
Overall Board Thickness:	62.00
Tolerance:	+6.2/-6.2
Min-Max Board Thickness:	55.8-68.2

Anticipated Board Thickness:	mil
After lamination:	57.92
Over mask on plated copper:.	61.72

Impedance Table

Layer	Impedance Requirement [ohms]	Tolerance [ohms]		Type	Upper Ref	Lower Ref	Designed Line Width [mil]	Plotted Line Width [mil]	Designed Spacing [mil]	Coplaner Spacing [mil]	Finished Line Width [mil]	Finished Spacing [mil]	Impedance Simulation [ohms]
		+	-										
L1	50	5.0	5.0	Coated microstrip SE	--	L2	30.00	30.50	--	--	29.75	--	50.0

Remarks:

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