


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

Job number:	SIG SAUR 4 LYR 7404337 011223	Material:	LF-Pyralux, RF775-RA, 3M, FR-Pyralux, 370HR	External Stackup Report Report v1.03-Beta	
Part number:	7404337, Rev: 00	Impedance:	No		
Customer:	SIG SAUER, ELECTRO-OPTICS	Date:	19-Jan-2023		
Panel size:	12X18	Created by:	Mike Garrett		

Lyr		Coppe.A [30.0723]	B [12.0723]	C [6.4697]	D [8.4697]
✓ol1_cove...		LF-B-0110 (2)mil ,Press thk=[1.5486]	LF-B-0110 (2)mil ,Press thk=[1.5486]		
✓ol1	0.5				
✓2s	0.5	RF775-RA (2.0 mil H/H),DK=[3]	RF775-RA (2.0 mil H/H),DK=[3]		
		FR0100 (1)mil ,Press thk=[0.844]	FR0100 (1)mil ,Press thk=[0.844]		
✓l3_Coverl...		LF-B-0110 (2)mil ,Press thk=[1.4205]	LF-B-0110 (2)mil ,Press thk=[1.4205]	LF-B-0110 (2)mil ,Press thk=[1.4205]	LF-B-0110 (2)mil ,Press thk=[
✓3s	0.5				
✓ol4	0.5	RF775-RA (2.0 mil H/H),DK=[3]	RF775-RA (2.0 mil H/H),DK=[3]	RF775-RA (2.0 mil H/H),DK=[3]	RF775-RA (2.0 mil H/H),DK=[3]
✓ol4_cove...		LF-B-0110 (2)mil ,Press thk=[1.8292]	LF-B-0110 (2)mil ,Press thk=[1.8292]	LF-B-0110 (2)mil ,Press thk=[1.8292]	LF-B-0110 (2)mil ,Press thk=[
✓psa		FR0200 (2)mil ,Press thk=[2]			3M-F9460PC (2)mil ,Press thk=
✓Stiffener		370HR (16.0 mil H/H),DK= [4.71], [1-1080,2-7628] ,Press thk=[16]			

Specification (Over accessory):	mil
Overall Board Thickness:	29.9
Tolerance:	+3.0/-3.0
Min-Max Board Thickness:	26.9-32.9

Anticipated Board Thickness:	mil
After lamination:	7.25
Over accessory:	30.07

Grain in 12" Dimension

Impedance Table

Layer	Impedance Requirement [ohms]	Tolerance [ohms]		Type	Upper Reference	Lower Ref	Designed Line Width [Mil]	Designed Spacing [Mil]	Finished Line Width [Mil]	Finished Spacing [Mil]	Impedance Simulation [ohms]
		+	-								

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 3.6.2.17. Unless agreed upon in writing from Summit Interconnect. The minimum thickness per this exception shall not be less than .0009839" per IPC-6012 section 3.6.2.17.
- * Summit Interconnect is not responsible for any build that does not meet IPC-6012 Bow & Twist requirements due to unbalanced dielectrics, unbalanced copper percentages or copper weights.

	Thk[A] (Mil)	Thk[B] (Mil)	Thk[D] (Mil)	Family[D]	Vendo...	Thk[C] (Mil)
	1.5486	1.5486				
	0.61	0.61				
	2	2				
	0.6	0.6				
	0.844	0.844				
1.4205	1.4205	1.4205	1.4205	LF-Pyralux	Dupont	1.4205
	0.61	0.61	0.61			0.61
	2	2	2	RF775-RA	Matrix	2
	0.61	0.61	0.61			0.61
1.8292	1.8292	1.8292	1.8292	LF-Pyralux	Dupont	1.8292
2			2	3M	3M	
16						