



# DDi Stackup Report

DDi Tool #:

Cust: <b>TEXAS INSTRUMENTS - DALLAS</b>	Finished Thickness: <b>0.0620 +/- 0.0060 Over All</b>	Layers: <b>8</b>
Part #: <b>720-2152-001</b>	Rev: <b>D</b>	Lam Thickness: <b>0.0580 +/- 0.0040</b>
		Mat'l: <b>Isola FR370 HR</b>

Lyr #	Lam Type	Cycles:	Drill: Plated CondFill NonCond	Laser: Plated SMV	Description: Impedance Layers	Thickness and Tolerances: Copper: Laminate / PrePreg:	Base Material:
21	1 Sig				Ω Foil ( T oz )	.00045	
					Preg	.0025 +/- 0.0005	Isola FR370 HR or equiv
					Sub Plating	.00040	
2 Sig					Ω Foil ( T oz )	.00045	
					Preg	.0028 +/- 0.0005	Isola FR370 HR or equiv
3 Pln					Ω Core 0.0060 H/H	.00060 .0060 +/- 0.0006	Isola FR370 HR or equiv
4 Sig					Ω	.00060	
					Preg	.0045 +/- 0.0005	Isola FR370 HR or equiv
					Filler Core 0.0210 0/0		Isola FR370 HR or equiv
					Preg	.0045 +/- 0.0005	Isola FR370 HR or equiv
5 Mix					Ω Core 0.0060 H/H	.00060 .0060 +/- 0.0006	Isola FR370 HR or equiv
6 Pln						.00060	
					Preg	.0028 +/- 0.0005	Isola FR370 HR or equiv
7 Sig					Ω Foil ( T oz )	.00045	
					Sub Plating	.00040	
					Preg	.0025 +/- 0.0005	Isola FR370 HR or equiv
8 Sig					Ω Foil ( T oz )	.00045	
21							

Impedance Requirements:		Original Line	Finish Line	1st Ref. Pln.	2nd Ref. Pln.	Z-Ohms (Calc'd)	Z Ohms & Tolerances (+/-%) (Required)	Diff Center to Center	Diff Edge to Edge (Finished)	Coplanar Spacing (Original)	Coplanar Spacing (Finished)
L#	Impedance Type										
1	DIF-Coated Microstrip Edg Cpld	.00550	.00550	3	0	101.46	100.0 +/- 10%	.01050	.00500		
1	DIF-Coated Microstrip Edg Cpld	.00650	.00650	3	0	90.47	90.00 +/- 10%	.01050	.00400		
1	SE-Coated Microstrip	.01200	.01200	3	0	49.88	50.00 +/- 10%				
2	DIF-Emb. Microstrip Edg Cpld	.00300	.00300	3	0	100.63	100.0 +/- 10%	.00800	.00500		
2	DIF-Emb. Microstrip Edg Cpld	.00375	.00375	3	0	89.30	90.00 +/- 10%	.00800	.00425		
2	SE-Emb. Microstrip	.00450	.00450	3	0	49.08	50.00 +/- 10%				
3	DIF-Dual Stripline Edg Cpld	.00575	.00575	0	0	99.44	100.0 +/- 10%	.01000	.00425		
4	DIF-Stripline Edg Cpld	.00500	.00500	3	5	99.14	100.0 +/- 10%	.01000	.00500		
4	DIF-Dual Stripline Edg Cpld	.00650	.00650	3	6	89.76	90.00 +/- 10%	.01150	.00500		
4	SE-Dual Stripline	.00900	.00900	3	6	49.81	50.00 +/- 10%				
5	SE-Dual Stripline	.00900	.00900	6	3	49.81	50.00 +/- 10%				
7	SE-Emb. Microstrip	.00450	.00450	6	0	49.08	50.00 +/- 10%				
8	DIF-Coated Microstrip Edg Cpld	.00550	.00550	6	0	101.46	100.0 +/- 10%	.01050	.00500		
8	DIF-Coated Microstrip Edg Cpld	.00650	.00650	6	0	90.47	90.00 +/- 10%	.01050	.00400		
8	SE-Coated Microstrip	.01200	.01200	6	0	49.88	50.00 +/- 10%				

## Controlled Impedance Notes:

## Stackup Notes: