

Layer	Stack up	Supplier	Supplier Description	Description	Type	Base Thickness	Processed Thickness	εr	Tg
1		Electra Polymers		Liquid PhotoImageable Mask	SolderMask			4.000	
				Copper Foil	Copper	0.018	0.038		
2		Shanghai Nanya	NY2150	Prepreg 1080	Dielectric	0.070	0.070	4.200	150.000
		Shanghai Nanya	NY2150	PrePreg 7628	Dielectric	0.187	0.186	4.200	150.000
3		Shanghai Nanya	NY2150	NY2150 Core	FR4	0.035	0.035	4.200	150.000
		Shanghai Nanya	NY2150	PrePreg 7628	Dielectric	0.187	0.159	4.200	150.000
4		Shanghai Nanya	NY2150	NY2150 Core	FR4	0.035	0.035	4.200	150.000
5		Shanghai Nanya	NY2150	PrePreg 7628	Dielectric	0.187	0.159	4.200	150.000
6		Shanghai Nanya	NY2150	NY2150 Core	FR4	0.035	0.035	4.200	150.000
7		Shanghai Nanya	NY2150	PrePreg 7628	Dielectric	0.187	0.186	4.200	150.000
8		Shanghai Nanya	NY2150	Prepreg 1080	Dielectric	0.070	0.070	4.200	150.000
				Copper Foil	Copper	0.018	0.038		
		Electra Polymers		Liquid PhotoImageable Mask	SolderMask			4.000	

1.71

Copper Thickness = 0.286 | Dielectric Thickness = 1.429 | Solder Mask Thickness = 0.050 | Stack Up Thickness = 1.715 | Stack Up Thickness with Soldermask = 1.765 | Stack Up Cost = 51.00 |

Structure Image	Impedance ID	Structure Name	Impedance Signal Layer	Lower Trace Width (W1)	Trace Separation (S1)	Lower Ground Strip Width (G1)	Ground Strip Separation (D1)	Trace Thickness (T1)	Calculated Impedance	Target Impedance
	1	Coated Microstrip 1B	1	0.440	0.000	0.000	0.000	0.038	50.410	50.000
	2	Edge Coupled Coated Microstrip 1B	1	0.300	0.170	0.000	0.000	0.038	90.650	90.000
	3	Edge Coupled Coated Microstrip 1B	1	0.250	0.200	0.000	0.000	0.038	101.090	100.000
	4	Offset Stripline 1B1A	3	0.127	0.000	0.000	0.000	0.035	50.740	50.000
	5	Edge Coupled Offset Stripline 1B1A	3	0.127	0.190	0.000	0.000	0.035	90.740	90.000
	6	Edge Coupled Offset Stripline 1B1A	3	0.120	0.300	0.000	0.000	0.035	99.360	100.000

StackName: Mlb8_1.6mm_TraX-Impedance-FR4NY2150	Version:	Revision:	Modification:	Date of Revision:	Editor
Date: 2018/05/25	Associated Documents:				
Author: Marc N					
Department: Tech					
Site: Diepriver					

Structure Image	Impedance ID	Structure Name	Impedance Signal Layer	Lower Trace Width (W1)	Trace Separation (S1)	Lower Ground Strip Width (G1)	Ground Strip Separation (D1)	Trace Thickness (T1)	Calculated Impedance	Target Impedance
	7	Offset Stripline 1B1A	6	0.127	0.000	0.000	0.000	0.035	50.740	50.000
	8	Edge Coupled Offset Stripline 1B1A	6	0.127	0.190	0.000	0.000	0.035	90.740	90.000
	9	Edge Coupled Offset Stripline 1B1A	6	0.120	0.300	0.000	0.000	0.035	99.360	100.000
	10	Coated Microstrip 1B	8	0.440	0.000	0.000	0.000	0.038	50.410	50.000
	11	Edge Coupled Coated Microstrip 1B	8	0.300	0.170	0.000	0.000	0.038	90.650	90.000
	12	Edge Coupled Coated Microstrip 1B	8	0.250	0.200	0.000	0.000	0.038	101.090	100.000

Drill Image	1st Layer	2nd Layer	Column Position	Drill Type
	1	8	1	Mechanical PTH

Notes

This structure is a TraX Standard build with impedance added 50Ωsingle ended , 90Ω and 100Ω Differential pairs

StackName: Mlb8_1.6mm_TraX-Impedance-FR4NY2150	Version:	Revision:	Modification:	Date of Revision:	Editor	Page 2/2
Date: 2018/05/25	Associated Documents:					
Author: Marc N						
Department: Tech						
Site: Diepriver						