

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		Nelco	N4000-29	Prepregs 2113	Dielectric	0.100	0.099	4.500	185.000
		Nelco	N4000-29	Prepregs 2116	Dielectric	0.135	0.134	4.470	185.000
3		Nelco	N4000-29	Core 2 x 7628	FR-4	0.035	0.035	4.200	185.000
		Nelco	N4000-29	Prepregs 2116	Dielectric	0.135	0.105	4.470	185.000
		Nelco	N4000-29	Prepregs 2113	Dielectric	0.100	0.078	4.500	185.000
4		Nelco	N4000-29	Core 2 x 7628	FR-4	0.035	0.035	4.200	185.000
		Nelco	N4000-29	Prepregs 2116	Dielectric	0.135	0.134	4.470	185.000
		Nelco	N4000-29	Prepregs 2113	Dielectric	0.100	0.099	4.500	185.000
5				Copper Foil	Copper	0.018	0.038		
6		Electra Polymers		Liquid PhotoImageable Mask	SolderMask			4.000	

Copper Thickness = 0.216 | Dielectric Thickness = 1.360 | Solder Mask Thickness = 0.050 | Stack Up Thickness = 1.576 | Stack Up Thickness with Soldermask = 1.626 | Stack Up Cost = 0.00 |

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 2B	1	0.380	0.000	0.000	0.000	0.038	50.230	50.000
	2	Edge Coupled Coated Microstrip 2B	1	0.300	0.260	0.000	0.000	0.038	94.820	100.000
	3	Edge Coupled Coated Microstrip 2B	1	0.300	0.170	0.000	0.000	0.038	86.340	90.000
	4	Offset Stripline 1B1A	3	0.350	0.000	0.000	0.000	0.035	50.730	50.000
	5	Edge Coupled Offset Stripline 1B1A	3	0.200	0.250	0.000	0.000	0.035	99.630	100.000
	6	Edge Coupled Offset Stripline 1B1A	3	0.200	0.170	0.000	0.000	0.035	89.360	90.000
	7	Offset Stripline 1B1A	4	0.350	0.000	0.000	0.000	0.035	50.700	50.000

StackName: Mlb6_1.6mm_TraX-Impedance-Nelco-29	Version:	Revision:	Modification:	Date of Revision:	Editor
Date: 2018/05/18	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
	8	Edge Coupled Offset Stripline 1B1A	4	0.200	0.250	0.000	0.000	0.035	99.570	100.000
	9	Edge Coupled Offset Stripline 1B1A	4	0.200	0.170	0.000	0.000	0.035	89.300	90.000
	10	Coated Microstrip 2B	6	0.440	0.000	0.000	0.000	0.038	46.470	50.000
	11	Edge Coupled Coated Microstrip 2B	6	0.300	0.260	0.000	0.000	0.038	94.820	100.000
	12	Edge Coupled Coated Microstrip 2B	6	0.300	0.170	0.000	0.000	0.038	86.340	90.000

Drill Image	1st Layer	2nd Layer	Column Position	Drill Type
	1	6	1	Mechanical PTH

Notes

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

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