

Layer	Stack up	Supplier	Supplier Description	Description	Type	Base Thickness	Processed Thickness	εr	Tg
1		Electra Polymers		Liquid Photolmageable Mask	SolderMask			4.000	
				Copper Foil	Copper	0.018	0.038		
		Nelco	N4000-29	Prepregs 1080	Dielectric	0.075	0.074	4.340	185.000
		Nelco	N4000-29	Prepregs 2116	Dielectric	0.135	0.134	4.470	185.000
2		Nelco	N4000-29	Core 1 x 7628	FR-4	0.035	0.035	4.200	185.000
		Nelco	N4000-29	Prepregs 2116	Dielectric	0.135	0.117	4.470	185.000
		Nelco	N4000-29	Prepregs 1080	Dielectric	0.075	0.065	4.340	185.000
		Nelco	N4000-29	Core 1 x 7628	FR-4	0.035	0.035	4.200	185.000
		Nelco	N4000-29	Prepregs 1080	Dielectric	0.075	0.065	4.340	185.000
		Nelco	N4000-29	Prepregs 2116	Dielectric	0.135	0.117	4.470	185.000
6		Nelco	N4000-29	Core 1 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 1080	Dielectric	0.075	0.074	4.340	185.000
8				Copper Foil	Copper	0.018	0.038		
		Electra Polymers		Liquid Photolmageable Mask	SolderMask			4.000	

Copper Thickness = 0.286 | Dielectric Thickness = 1.390 | Solder Mask Thickness = 0.050 | Stack Up Thickness = 1.676 | Stack Up Thickness with Soldermask = 1.726 | 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	0.340	0.000	0.000	0.000	0.038	50.230	50.000
	2	Edge Coupled Coated Microstrip 2B	1	0.250	0.170	0.000	0.000	0.038	90.600	90.000
	3	Edge Coupled Coated Microstrip 2B	1	0.210	0.200	0.000	0.000	0.038	100.700	100.000
	4	Offset Stripline 1B2A	3	0.142	0.000	0.000	0.000	0.035	49.620	50.000
	5	Edge Coupled Offset Stripline 1B2A	3	0.130	0.180	0.000	0.000	0.035	89.650	90.000

StackName: Mlb8_1.6mm_TraX-Impedance-Nelco-29	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
	6	Edge Coupled Offset Stripline 1B2A	3	0.127	0.320	0.000	0.000	0.035	99.350	100.000
	7	Offset Stripline 1B2A	6	0.142	0.000	0.000	0.000	0.035	49.620	50.000
	8	Edge Coupled Offset Stripline 1B2A	6	0.130	0.180	0.000	0.000	0.035	89.650	90.000
	9	Edge Coupled Offset Stripline 1B2A	6	0.127	0.320	0.000	0.000	0.035	99.350	100.000
	10	Coated Microstrip 2B	8	0.340	0.000	0.000	0.000	0.038	50.230	50.000
	11	Edge Coupled Coated Microstrip 2B	8	0.250	0.170	0.000	0.000	0.038	90.600	90.000
	12	Edge Coupled Coated Microstrip 2B	8	0.210	0.200	0.000	0.000	0.038	100.700	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

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