

Layer	Stack up	Supplier	Supplier Description	Description	Type	Base Thickness	Processed Thickness	εr	Tg
1		Electra Polymers		Liquid Photolmageable Mask	SolderMask			4.000	
		Circuitfoil		Copper Foil	Copper	0.018	0.038		
		Nelco	N4000-29	Prepregs 2116	Dielectric	0.135	0.134	4.470	185.000
		Nelco	N4000-29	Prepregs 2116	Dielectric	0.135	0.134	4.470	185.000
		Nelco	N4000-29	Prepregs 2116	Dielectric	0.135	0.134	4.470	185.000
2						0.035	0.035		
3		Nelco	N4000-29	Core 3 x 7628	FR-4	0.508	0.508	4.200	185.000
						0.035	0.035		
		Nelco	N4000-29	Prepregs 2116	Dielectric	0.135	0.134	4.470	185.000
		Nelco	N4000-29	Prepregs 2116	Dielectric	0.135	0.134	4.470	185.000
		Nelco	N4000-29	Prepregs 2116	Dielectric	0.135	0.134	4.470	185.000
4		Circuitfoil		Copper Foil	Copper	0.018	0.038		
		Electra Polymers		Liquid Photolmageable Mask	SolderMask			4.000	

Copper Thickness = 0.146 | Dielectric Thickness = 1.315 | Solder Mask Thickness = 0.050 | Stack Up Thickness = 1.461 | Stack Up Thickness with Soldermask = 1.511 | 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 1B	1	0.700	0.000	0.000	0.000	0.038	49.950	50.000
	2	Edge Coupled Coated Microstrip 1B	1	0.250	0.160	0.000	0.000	0.038	100.180	100.000
	3	Edge Coupled Coated Microstrip 1B	1	0.280	0.130	0.000	0.000	0.038	90.720	90.000
	4	Coated Microstrip 1B	4	0.700	0.000	0.000	0.000	0.038	49.950	50.000
	5	Edge Coupled Coated Microstrip 1B	4	0.250	0.160	0.000	0.000	0.038	100.180	100.000
	6	Edge Coupled Coated Microstrip 1B	4	0.280	0.130	0.000	0.000	0.038	90.720	90.000

StackName: Mlb4_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: Diep River					

Drill Image	1st Layer	2nd Layer	Column Position	Drill Type
	1	4	1	Mechanical PTH

**Notes**

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

StackName: Mlb4_1.6mm_TraX-Impedance-Nelco-29	Version:	Revision:	Modification:	Date of Revision:	Editor	Page 2/2  TraX Interconnect (pty) ltd
Date: 2018/05/18	Associated Documents:					
Author: Marc N						
Department: Tech						
Site: Diep River						