

Layer	Stack up	Supplier	Supplier Description	Description	Type	Base Thickness	Processed Thickness	εr	Tg
		Electra Polymers		Liquid Photolmageable Mask	SolderMask			4.000	
1		Circuitfoil		Copper Foil	Copper	0.018	0.038		
		Neltec	Mercurywave	PrePreg 2116	Dielectric	0.105	0.104	3.500	210.000
		Neltec	Mercurywave	PrePreg 1080	Dielectric	0.082	0.082	3.500	210.000
		Neltec	Mercurywave	PrePreg 2116	Dielectric	0.105	0.104	3.500	210.000
2						0.035	0.035		
3		Neltec	9350	Mercurywave core	RF Laminate	0.813	0.813	3.500	200.000
						0.035	0.035		
		Neltec	Mercurywave	PrePreg 2116	Dielectric	0.105	0.104	3.500	210.000
		Neltec	Mercurywave	PrePreg 1080	Dielectric	0.082	0.082	3.500	210.000
		Neltec	Mercurywave	PrePreg 2116	Dielectric	0.105	0.104	3.500	210.000
4		Circuitfoil		Copper Foil	Copper	0.018	0.038		
		Electra Polymers		Liquid Photolmageable Mask	SolderMask			4.000	

Copper Thickness = 0.146 | Dielectric Thickness = 1.394 | Solder Mask Thickness = 0.050 | Stack Up Thickness = 1.540 | Stack Up Thickness with Soldermask = 1.590 | Stack Up Cost = 29.00 |


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	0.590	0.000	0.000	0.000	0.038	50.020	50.000
	2	Edge Coupled Coated Microstrip 1B	1	0.400	0.280	0.000	0.000	0.038	100.250	100.000
	3	Edge Coupled Coated Microstrip 1B	1	0.340	0.145	0.000	0.000	0.038	90.900	90.000
	4	Coated Microstrip 1B	4	0.590	0.000	0.000	0.000	0.038	50.020	50.000
	5	Edge Coupled Coated Microstrip 1B	4	0.400	0.280	0.000	0.000	0.038	100.250	100.000
	6	Edge Coupled Coated Microstrip 1B	4	0.340	0.145	0.000	0.000	0.038	90.900	90.000

StackName: Mlb4_1.6mm_TraX-Impedance-Neltec-Mercurywave	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-Neltec-Mercurywave	Version:	Revision:	Modification:	Date of Revision:	Editor	Page 2/2  TraX Interconnect (pty) ltd
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Author: Marc N						
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