

Layer	Stack up	Supplier	Supplier Description	Description	Type	Base Thickness	Processed Thickness	εr	Tg
1		Electra Polymers	Liquid Photolimageable Mask	SolderMask				4.000	
		Circuitfoil	Copper Foil	Copper		0.018	0.038		
2		Neltec	Mercurywave	PrePreg 1080	Dielectric	0.082	0.081	3.500	210.000
		Neltec	Mercurywave	PrePreg 2116	Dielectric	0.105	0.104	3.500	210.000
3		Neltec	9350	Mercurywave core	RF Laminate	0.035	0.035	3.500	200.000
		Neltec	Mercurywave	PrePreg 1080	Dielectric	0.082	0.068	3.500	210.000
4		Neltec	Mercurywave	PrePreg 1080	Dielectric	0.082	0.068	3.500	210.000
5		Neltec	9350	Mercurywave core	RF Laminate	0.035	0.035	3.500	200.000
		Neltec	Mercurywave	PrePreg 1080	Dielectric	0.082	0.068	3.500	210.000
6		Neltec	Mercurywave	PrePreg 1080	Dielectric	0.082	0.068	3.500	210.000
7		Neltec	9350	Mercurywave core	RF Laminate	0.035	0.035	3.500	200.000
		Neltec	Mercurywave	PrePreg 2116	Dielectric	0.105	0.104	3.500	210.000
8		Neltec	Mercurywave	PrePreg 1080	Dielectric	0.082	0.081	3.500	210.000
		Circuitfoil	Copper Foil	Copper		0.018	0.038		
		Electra Polymers	Liquid Photolimageable Mask	SolderMask				4.000	

Copper Thickness = 0.286 | Dielectric Thickness = 1.276 | Solder Mask Thickness = 0.050 | Stack Up Thickness = 1.562 | Stack Up Thickness with Soldermask = 1.612 | Stack Up Cost = 87.00 |

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	0.350	0.000	0.000	0.000	0.038	50.800	50.000
	2	Edge Coupled Coated Microstrip 1B	1	0.300	0.200	0.000	0.000	0.038	90.940	90.000
	3	Edge Coupled Coated Microstrip 1B	1	0.250	0.220	0.000	0.000	0.038	100.370	100.000
	4	Offset Stripline 1B1A	3	0.145	0.000	0.000	0.000	0.035	50.560	50.000
	5	Edge Coupled Offset Stripline 1B1A	3	0.152	0.200	0.000	0.000	0.035	90.770	90.000

StackName: Mlb8_1.6mm_TraX-Impedance-Neltec-Mercurywave	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 1B1A	3	0.127	0.240	0.000	0.000	0.035	100.510	100.000
	7	Offset Stripline 1B1A	6	0.145	0.000	0.000	0.000	0.035	50.560	50.000
	8	Edge Coupled Offset Stripline 1B1A	6	0.152	0.200	0.000	0.000	0.035	90.770	90.000
	9	Edge Coupled Offset Stripline 1B1A	6	0.127	0.240	0.000	0.000	0.035	100.510	100.000
	10	Coated Microstrip 1B	8	0.350	0.000	0.000	0.000	0.038	50.800	50.000
	11	Edge Coupled Coated Microstrip 1B	8	0.300	0.200	0.000	0.000	0.038	90.940	90.000
	12	Edge Coupled Coated Microstrip 1B	8	0.250	0.220	0.000	0.000	0.038	100.370	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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