iMX6 TinyRex V1I1 - Stackup & Impedances

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Original Stackun

Original S	таскир		
	Total	Total	
	Thickness	Thickness	Er
	(mil)	(um)	
L1	1.3925	35.37	
Prepreg	2.93	74.42	3.72
L2	1.3925	35.37	
Prepreg	3.48	88.39	3.56
L3	1.3925	35.37	
Prepreg	5.22	132.59	3.56
L4	1.37	34.80	
Core	3	76.20	3.8
L5	0.685	17.40	
Prepreg	4.66	118.36	3.56
L6	1.37	34.80	
Core	6	152.40	3.8
L7	1.37	34.80	
Prepreg	4.66	118.36	3.56
L8	0.685	17.40	
Core	3	76.20	3.8
L9	1.37	34.80	
Prepreg	5.22	132.59	3.56
L10	1.3925	35.37	
Prepreg	3.48	88.39	3.56
L11	1.3925	35.37	
Prepreg	2.93	74.42	3.72
L12	1.3925	35.37	
Total Thickne	59.79	1518.54	

	Foil (oz)	Plating (mil)	Thickness (mil)	Total Thickness (mil)	Total Thickness (um)	Er
L1	0.33	1.05		1.5021	38.15	
Prepreg			2.63	2.63	66.80	
L2	0.33	1.05		1.5021	38.15	
Prepreg			3.18	3.18	80.77	:
L3	0.25	1.05		1.3925	35.37	
Prepreg			8.64	8.64	219.46	
L4	1			1.37	34.80	
Core			4	4	101.60	
L5	0.5			0.685	17.40	
Prepreg			4.14	4.14	105.16	
L6	1			1.37	34.80	
Core			3	3	76.20	
L7	1			1.37	34.80	
Prepreg			4.23	4.23	107.44	
L8	0.5			0.685	17.40	
Core			4	4	101.60	
L9	1			1.37	34.80	
Prepreg			8.64	8.64	219.46	
L10	0.25	1.05		1.3925	35.37	
Prepreg			3.18	3.18	80.77	
L11	0.33	1.05		1.5021	38.15	
Prepreg			2.65	2.65	67.31	
L12	0.33	1.05		1.5021	38.15	

Track geometry

Original track geometry		Width(mil)	Space(mil)	Width (um)	Space(um)
L1,L12	DIFF90	3.94	4.33	100.08	109.98
	DIFF100	3.75	6.09	95.25	154.69
	SE55	3.937		100.00	
L3,L10	DIFF90	3.1	3.6	78.74	91.44
	DIFF100	3.2	7.43	81.28	188.72
	SE55	3		76.20	
L5,L8	DIFF90	3.4	3.29	86.36	83.57
	DIFF100	3.38	7.25	85.85	184.15
	SE55	3		76.20	

Suggested track geometry		Width(mil)	Space(mil)	Width (um)	Space(um)
L1,L12	DIFF90	3.5	4.77	88.90	121.16
	DIFF100	3.1	6.74	78.74	171.20
	SE55	3.1		78.74	
L3,L10	DIFF90	2.9	3.8	73.66	96.52
	DIFF100	3.1	7.53	78.74	191.26
	SE55	2.8		71.12	
L5,L8	DIFF90	3.3	3.39	83.82	86.13
	DIFF100	3.3	7.33	83.82	186.18
	SE55	2.8		71.12	

Notes:
