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No	Items		Best Capability 1-6L	
1	Layer Count		1-6L 1-4 L normal	
2	Board Thickness		0.1-0.5mm (1-4L) 0.6-0.8mm (5-6L)	
3	The tolerance of 1L board thickness (exclude stiffener)		±0.03mm	
4	The tolerance of 2L board thickness (<=0.3mm), exclude stiffener		±0.03mm (Normal ±0.05mm)	
5	The tolerance of multilaye	er board thickness (<0.3mm), exclude stiffener	±0.03mm (Normal ±0.05mm)	
6	The tolerance of multilayer board thickness (0.3-0.8mm), exclude stiffener		±10% (Normal ±0.1mm)	
7	The tolerance of board thickness (include PI stiffener)		±10% (Normal ±0.05mm)	
8	The tolerance of board thickness (include FR4 stiffener)		±10% (Normal ±0.1mm)	
9	Max finished board size		9inch*23inch (Pl≥1mil) 9inch*14inch (normal)	
10	Min finished board size		2mm*4mm (no connection tab); 8mm*8mm (with connection tab)	
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	Material	Adhesive flex core	生益 SF305: PI=0.5mil, 1mil, 2mil; Cu=0.33OZ, 0.5OZ, 1OZ 松下RF-775(电解): PI=1mil, 2mil; Cu=0.33, oz0.5, 1oz, 2oz 新扬Thinflex: PI=1mil, 2mil; Cu=0.33, 0.5oz, 1oz	
		Adhesiveless core	杜邦AP: PI=1mil, 2mil, 4mil; Cu=0.5oz, 102	
		Coverlay	生益 SF305C 系列: 0515, 0525, 1025, 1035, 2030	
11			台虹 FHK 系列: 0515, 0525, 1025, 1035, 2025 杜邦FR: 0110, 0210, 7001,7082; 杜邦LF: 0110,0210	
		Thermosetting adhesive	台虹系列: AD=10um, 25um, 40um;	
			生益SF302B: AD=25um, 40um;	
		PI stiffener	台虹 MHK 系列: Pl=3mil, 5mil, 7mil, 9mil	
		3M tape	9077,9460	
	Min inner layer line width / space (before compensation)	Finished copper thickness 12um / 18um	3/3mil	
12		Finished copper thickness 35um	4/3.5mil	
		Finished copper thickness 70um	6/5mil	
	Inner layer grid	Finished copper thickness 12um / 18um	5/5mil (after compensation)	
13		Finished conner thickness 25um	6.5/5mil	
13		Finished copper thickness 35um	(after compensation)	
		Finished copper thickness 70um	10/8mil (after compensation)	
14	Min. Inner layer annual ring width (IPCIII, before compensation)		4mil(<4L), 7mil(4-6L), 9mil(7-8L)	
15	The min distance betwee (before compensation)	n inner layer isolated pad and copper area	3.5mil 4mil normal	
16	Max finished inner layer	copper thickness	3oz 2 oz normal	
17	The min distance betwee	n inner layer conductor and outline	8mil 10mil normal	
	Min external layer line width / space before compensation	Finished copper thickness, before compensation	3/3mil	
18		Finished copper thickness 35um, before compensation	3.5/3.5mil	
		Finished copper thickness 70um, before compensation	5.5/5mil	
		Finished copper thickness 35um,	3mil (<2mm) ; 4mil (2-4.5mm)	
19		Finished copper thickness 35-70um,	5mil (<2mm) ; 6mil (2-4.5mm)	
		Finished copper thickness >70um,	7mil (<2mm); 10mil (2-4.5mm)	
20		n NPTH edge to external conductor before	5mil 6mil normal	
21	compensation		4oz	
∠1	Max finished external cop	oper thickness	2 oz normal	

23	Min the distance between external conductor and outline		8mil 5mil (Gold finger area)
24	Hole	The max board thickness for 0.15mm drill bit	0.8mm
		Min laser hole diameter	0.1mm
		Min finish half PTH via diameter	0.3mm
		Min NPTH tolerance	±2mil(limit+0, -2mil or +2mil, -0)
		Min space between via hole walls in different net, before compensation	10mil(after compensation) 12mil (normal)(after compensation)
25	Solder mask	Solder mask bridge min. (copper thickness<=1oz)	4mil(Green), 5mil(White), 8.0mil (big copper area)
		Solder mask bridge min. (copper thickness2-4oz)	6mil,8mil(big copper area)
		Solder mask opening (single side)	3mil(partial2.5mil)
		Solder mask opening of NPTH (single side)	4mil
		Min width of soldermask cover line(singleside)	2.5mil
		Solder mask legend width min	8mil
		Solder mask color	green/white/yellow
		Silk screen color	white/yellow
27	Outline	Tolerance of Laser cutting	±0.05mm
28	Other	Impedance tolerance	Single-Ended: $\pm 5\Omega(\leqslant 50\Omega)$, $\pm 5\%(>50\Omega)$ Difference: $\pm 3\Omega(\leqslant 50\Omega)$, $\pm 5\%(>50\Omega)$
		Tolerance of stiffener tape	±0.1mm (Normal ±0.2mm)
		Tolerance of Coverlay	±2mil ((Normal ±4mil)
		Min distance between coverlay opening and conduct	3mil ((Normal 4mil)
		Min. coverlay bridge	8mil
		Hollowing board	Finger length≤5mm; line width≥10mil; copper thickness≥1oz
		Min E-test pad	3mil ((Normal 4mil)
		IPC Class 3	Yes
		Min distance between E-test pads	2mil ((Normal 4mil)