

SYNTERGY ELECTRONICS - FLEX PCB MANUFACTURE CAPABILITIES		
No	ITEM	STANDARD
1	Material	FCCL (adhesive)
2		FCCL (adhesiveless)
3		Coverlay
4		Adhesive
5		PI Stiffener
6		3M
7	Others	Design Software
8		Gerber format
9		Drill format
10		Layer
11		Board thickness (without stiffener)
12		Tolerance of single layer
13		Tolerance of double-layer (<0.3mm)
14		Tolerance of multi-layer (<0.3mm)
15		Tolerance of multi-layer (0.3mm-0.8mm)
16		Tolerance of board thickness (including PI stiffener)
17		Tolerance of board thickness (including FR4 stiffener)
18		Min. board size
19		Max. board size
20		Impedance control tolerance
21		Min. overlay bridge
22		Min. bend radius of single layer
23		Min. bend radius of double-layer
24		Min. bend radius of multi-layer
25		Min. dynamic bend radius
26	Inner layer	Min. line width/spacing (12/18um copper)
27		Min. line width/spacing (35um copper)
28		Min. line width/spacing (70um copper)
29		Max. copper thickness
30	Outer Layer	Min. line width/spacing (18um copper)
31		Min. line width/spacing (35um copper)
32		Min. line width/spacing (70um copper)
33		Min. line width/spacing (105um copper)
34		Max. finished copper thickness
35	Drilling	Min. distance between via and conductors
36		Min. mechanical drill hole
37		Solder mask color
38	Solder mask and silk screen	Min. solder dam (base copper ≤1oz)
39		Min. clearance
40		Silk color
41	Surface treatment	Surface treatment
42		Mixed surface treatment
43		Gold thickness (ENIG)
44		Nickel thickness (ENIG)
45		Gold thickness (ENEPIG)
46		Palladium thickness (ENEPIG)
47		Nickel thickness (ENEPIG)
48		Electrolytic Nickel thickness
49		Electrolytic Gold thickness
50		Hard gold thickness (including lead)
51		OSP thickness
52		Immersion silver thickness
53	Routing	Laser accuracy
54		Punch accuracy