

Rigid

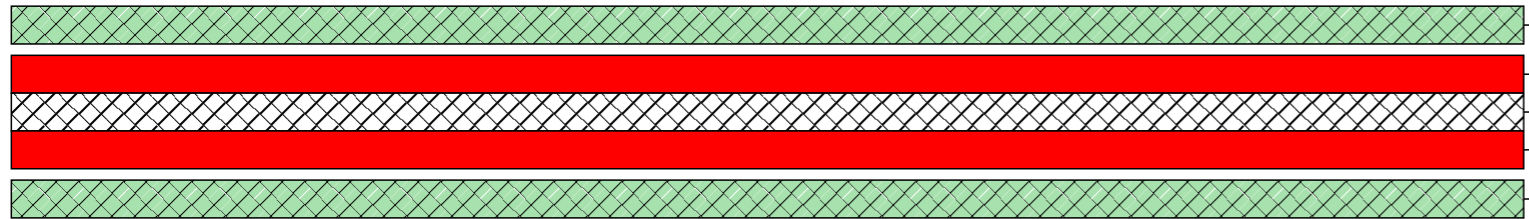
#	Layer	Thickness	Description	Dk	Df	Note
	Top Solder	0.015mm	Soldermask IPC-SM840	3,5	0,028	used on rigid parts
1	Top Side	0.040mm	Starting foil 1/4oz. after plating and processing	3,4	0,002	Flex Polyimide adhesiveless
2	Inner Layer 1	0.017mm	ED Base Copper			
		0.100mm	Prepreg IPC-4101/127/128	4,4	0,011	LowFlow FR-4.1 filled, halogen free
		1.200mm	Core IPC-4101/127/128	5,1	0,011	FR-4.1 filled, halogen free
3	Inner Layer 2	0.017mm	ED Base Copper			
		0.065mm	Prepreg IPC-4101/127/128	3,5	0,011	FR-4.1 filled, halogen free
4	Bottom Side	0.040mm	Starting foil 1/4oz. after plating and processing			
	Bottom Solder	0.015mm	Soldermask IPC-SM840	3,5	0,028	used on rigid parts

Total thickness: 1.559mm

notes:	FLEX4_2F-2Ri_1,56_17_V2.12		
Final copper thickness according to IPC-6013	PCB Thickness Tolerance: rigid $\pm 10\%$ / flex $\pm 0,05\text{mm}$		
IPC 2223 use A "Flex to install"	customer	created	
	pcb name	approved	
Please regard to our sectional design rules: ► www.we-online.com	engineer	format	A4, landscape
	date		
Template Revision: 02/2021 by Andreas Schilpp / Michael Kress / Werner Öchslen			



Flex



# Layer	Thickness	Description	Dk	Df	Note
flexible Soldermask Top	0.040mm	Soldermask JIS-C-5012/IPC-SM840	4,3	0,05	flexibel, thermal cured
1 Top Side	0.040mm	Starting foil 1/4oz. after plating and processing			
	0.050mm	Flexible core IPC-4204/11	3,4	0,002	Flex Polyimide adhesiveless
2 Inner Layer 1	0.017mm	ED Base Copper			
Coverlay Bottom	0.040mm	PI Coverlay IPC-4203/2	3,6	0,02	Polyimide + bonding film (Epoxy)

Total thickness: 0.187mm

notes:	FLEX4_2F-2Ri_1,56_17_V2.12		
Final copper thickness according to IPC-6013	PCB Thickness Tolerance: rigid $\pm 10\%$ / flex $\pm 0,05\text{mm}$		
IPC 2223 use A "Flex to install"	customer		created
	pcb name		approved
	engineer		format A4, landscape
Please regard to our sectional design rules: ► www.we-online.com	date		
	Template Revision: 02/2021 by Andreas Schilpp / Michael Kress / Werner Öchslen		

