

#	Layer	Thickness	Description	Note
	Top Solder	0.015mm	Soldermask IPC-SM840	used on rigid parts
	Top Surface Finish	0.006mm		
1	Top Side	0.035mm	Starting foil 1/2oz. after plating and processing	
		0.220mm	Prepreg IPC-4101/21	FR-4.0
2	Inner Layer 1	0.017mm	ED Base Copper	
		0.610mm	Core IPC-4101/21	FR-4.0
3	Inner Layer 2	0.017mm	ED Base Copper	
		0.220mm	Prepreg IPC-4101/21	FR-4.0
4	Inner Layer 3	0.017mm	ED Base Copper	
		0.610mm	Core IPC-4101/21	FR-4.0
5	Inner Layer 4	0.017mm	ED Base Copper	
		0.220mm	Prepreg IPC-4101/21	FR-4.0
6	Bottom Side	0.035mm	Starting foil 1/2oz. after plating and processing	
	Bottom Surface Finish	0.006mm		
	Bottom Solder	0.015mm	Soldermask IPC-SM840	used on rigid parts

**Total thickness: 2.059mm**

notes:

Final copper thicknesses according to IPC-6012 **BASIC6\_ML6\_205\_17\_2V13**

Standard: Surface Finish ENIG  
(Ni 5.5 µm ± 1.5 µm, Au 0.075 µm ± 0.025 µm)

PCB Thickness Tolerance: ± 10%			
customer		created	
pcb name		approved	
engineer		format	A4, landscape
date			

Please follow our sectional design rules:  
▶ [www.we-online.com/designrulesbasic\\_en](http://www.we-online.com/designrulesbasic_en)

For impedance matching stackups: Please consult our specialists: [BASIC@we-online.com](mailto:BASIC@we-online.com)

Template Revision: 10/2023 by Andreas Schilpp / Michael Kress / Werner Öchslen



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