

#	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	0.035mm	ED Base Copper	
		0.150mm	Core IPC-4101/21	FR-4.0
3	Inner Layer 2	0.035mm	ED Base Copper	
		0.220mm	Prepreg IPC-4101/21	FR-4.0
4	Inner Layer 3	0.035mm	ED Base Copper	
		0.150mm	Core IPC-4101/21	FR-4.0
5	Inner Layer 4	0.035mm	ED Base Copper	
		0.220mm	Prepreg IPC-4101/21	FR-4.0
6	Inner Layer 5	0.035mm	ED Base Copper	
		0.150mm	Core IPC-4101/21	FR-4.0
7	Inner Layer 6	0.035mm	ED Base Copper	
		0.220mm	Prepreg IPC-4101/21	FR-4.0
8	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: 1.651mm				

notes:

Final copper thicknesses according to IPC-6012

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

Please follow our sectional design rules:
► www.we-online.com/designrulesbasic_en

For impedance matching stackups: Please consult our specialists: BASIC@we-online.com

BASIC8_ML8_165_35_2V13

PCB Thickness Tolerance: ± 10%

customer	created
pcb name	approved
engineer	format
date	A4, landscape

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



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