



# Layer	Thickness	Description	Note
Top Solder	0.015mm	Soldermask IPC-SM840	used on rigid parts
Top Surface Finish	0.006mm		
1 Top Side	0.030mm	Starting foil 1/4oz. after plating and processing	
	0.065mm	Prepreg IPC-4101/127/128	FR-4.1 filled, halogen free
2 Inner Layer 1	0.030mm	Starting foil 1/4oz. after plating and processing	
	0.065mm	Prepreg IPC-4101/127/128	FR-4.1 filled, halogen free
3 Inner Layer 2	0.030mm	Starting foil 1/4oz. after plating and processing	
	0.125mm	Prepreg IPC-4101/127/128	FR-4.1 filled, halogen free
4 Inner Layer 3	0.035mm	ED Base Copper	
	0.250mm	Core IPC-4101/127/128	FR-4.1 filled, halogen free
5 Inner Layer 4	0.035mm	ED Base Copper	
	0.125mm	Prepreg IPC-4101/127/128	FR-4.1 filled, halogen free
6 Inner Layer 5	0.030mm	Starting foil 1/4oz. after plating and processing	
	0.065mm	Prepreg IPC-4101/127/128	FR-4.1 filled, halogen free
7 Inner Layer 6	0.030mm	Starting foil 1/4oz. after plating and processing	
	0.065mm	Prepreg IPC-4101/127/128	FR-4.1 filled, halogen free
8 Bottom Side	0.030mm	Starting foil 1/4oz. after plating and processing	
Bottom Surface Finish	0.006mm		
Bottom Solder	0.015mm	Soldermask IPC-SM840	used on rigid parts

Total thickness: 1.051mm

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/designrules/shdi_en

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

HDI8_2-4b-2_105_35_2V13

PCB Thickness Tolerance: ± 10%

customer		created	
pcb name		approved	
engineer		format	A4, landscape
date			

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



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