

# 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	ED Copper + plating	
	0.065mm	Prepreg IPC-4101/127/128	FR-4.1 filled, halogen free
3 Inner Layer 2	0.035mm	ED Base Copper	
	0.200mm	Core IPC-4101/127/128	FR-4.1 filled, halogen free
4 Inner Layer 3	0.035mm	ED Base Copper	
	0.125mm	Prepreg IPC-4101/127/128	FR-4.1 filled, halogen free
5 Inner Layer 4	0.035mm	ED Base Copper	
	0.200mm	Core IPC-4101/127/128	FR-4.1 filled, halogen free
6 Inner Layer 5	0.035mm	ED Base Copper	
	0.065mm	Prepreg IPC-4101/127/128	FR-4.1 filled, halogen free
7 Inner Layer 6	0.030mm	ED Copper + plating	
	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: 1.086mm**

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/hdi\\_en](http://www.we-online.com/designrules/hdi_en)

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

**HDI8\_2-4-2\_108\_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



**WÜRTH  
ELEKTRONIK**  
MORE THAN  
YOU EXPECT