



#	Layer	Thickness	Description	Dk	Df	Note
	Top Solder	0.015mm	Soldermask IPC-SM840	3,5	0,028	used on rigid parts
1	Top Side	0.030mm	Starting foil 1/4oz. after plating and processing	3,5	0,011	FR-4.1 filled, halogen free
		0.065mm	Prepreg IPC-4101/127/128			
2	Inner Layer 1	0.030mm	Starting foil 1/4oz. after plating and processing	3,5	0,011	FR-4.1 filled, halogen free
		0.065mm	Prepreg IPC-4101/127/128			
3	Inner Layer 2	0.017mm	ED Base Copper	3,8	0,011	FR-4.1 filled, halogen free
		0.100mm	Core IPC-4101/127/128			
4	Inner Layer 3	0.017mm	ED Base Copper	3,7	0,011	FR-4.1 filled, halogen free
		0.125mm	Prepreg IPC-4101/127/128			
5	Inner Layer 4	0.017mm	ED Base Copper	3,8	0,011	FR-4.1 filled, halogen free
		0.100mm	Core IPC-4101/127/128			
6	Inner Layer 5	0.017mm	ED Base Copper	3,7	0,011	FR-4.1 filled, halogen free
		0.125mm	Prepreg IPC-4101/127/128			
7	Inner Layer 6	0.017mm	ED Base Copper	3,8	0,011	FR-4.1 filled, halogen free
		0.100mm	Core IPC-4101/127/128			
8	Inner Layer 7	0.017mm	ED Base Copper	3,7	0,011	FR-4.1 filled, halogen free
		0.125mm	Prepreg IPC-4101/127/128			
9	Inner Layer 8	0.017mm	ED Base Copper	3,8	0,011	FR-4.1 filled, halogen free
		0.100mm	Core IPC-4101/127/128			
10	Inner Layer 9	0.017mm	ED Base Copper	3,5	0,011	FR-4.1 filled, halogen free
		0.065mm	Prepreg IPC-4101/127/128			
11	Inner Layer 10	0.030mm	Starting foil 1/4oz. after plating and processing	3,5	0,011	FR-4.1 filled, halogen free
		0.065mm	Prepreg IPC-4101/127/128			
	Bottom Side	0.030mm	Starting foil 1/4oz. after plating and processing	3,5	0,028	used on rigid parts
	Bottom Solder	0.015mm	Soldermask IPC-SM840	3,5	0,028	used on rigid parts

**Total thickness: 1.321mm**

notes:

Final copper thickness according to IPC-6012

Please regard to our sectional design rules:  
▶ [www.we-online.com](http://www.we-online.com)

### HDI12\_2-8-2\_1,32\_17\_V2.12

PCB Thickness Tolerance: ± 10%

customer		created	
pcb name		approved	
engineer		format	A4, landscape
date			

Template Revision: 02/2021 by Andreas Schilpp / Michael Kress / Werner Öchslen

