

| # | 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 | 0.017mm | ED Base Copper | |
| | | 0.150mm | Core IPC-4101/127/128 | FR-4.1 filled, halogen free |
| 3 | Inner Layer 2 | 0.017mm | ED Base Copper | |
| | | 0.125mm | Prepreg IPC-4101/127/128 | FR-4.1 filled, halogen free |
| 4 | Inner Layer 3 | 0.017mm | ED Base Copper | |
| | | 0.150mm | Core IPC-4101/127/128 | FR-4.1 filled, halogen free |
| 5 | Inner Layer 4 | 0.017mm | ED Base Copper | |
| | | 0.125mm | Prepreg IPC-4101/127/128 | FR-4.1 filled, halogen free |
| 6 | Inner Layer 5 | 0.017mm | ED Base Copper | |
| | | 0.150mm | Core IPC-4101/127/128 | FR-4.1 filled, halogen free |
| 7 | Inner Layer 6 | 0.017mm | ED Base Copper | |
| | | 0.125mm | Prepreg IPC-4101/127/128 | FR-4.1 filled, halogen free |
| 8 | Inner Layer 7 | 0.017mm | ED Base Copper | |
| | | 0.150mm | Core IPC-4101/127/128 | FR-4.1 filled, halogen free |
| 9 | Inner Layer 8 | 0.017mm | ED Base Copper | |
| | | 0.065mm | Prepreg IPC-4101/127/128 | FR-4.1 filled, halogen free |
| 10 | 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: 1.342mm

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

HDI10_1-8-1_134_17_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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