

| # | 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 | | | |
| | | 0.065mm | Prepreg IPC-4101/127/128 | 3,5 | 0,011 | FR-4.1 filled, halogen free |
| 2 | Inner Layer 1 | 0.035mm | ED Base Copper | | | |
| | | 0.150mm | Core IPC-4101/127/128 | 4,3 | 0,011 | FR-4.1 filled, halogen free |
| 3 | Inner Layer 2 | 0.035mm | ED Base Copper | | | |
| | | 0.125mm | Prepreg IPC-4101/127/128 | 3,7 | 0,011 | FR-4.1 filled, halogen free |
| 4 | Inner Layer 3 | 0.035mm | ED Base Copper | | | |
| | | 0.150mm | Core IPC-4101/127/128 | 4,3 | 0,011 | FR-4.1 filled, halogen free |
| 5 | Inner Layer 4 | 0.035mm | ED Base Copper | | | |
| | | 0.125mm | Prepreg IPC-4101/127/128 | 3,7 | 0,011 | FR-4.1 filled, halogen free |
| 6 | Inner Layer 5 | 0.035mm | ED Base Copper | | | |
| | | 0.150mm | Core IPC-4101/127/128 | 4,3 | 0,011 | FR-4.1 filled, halogen free |
| 7 | Inner Layer 6 | 0.035mm | ED Base Copper | | | |
| | | 0.125mm | Prepreg IPC-4101/127/128 | 3,7 | 0,011 | FR-4.1 filled, halogen free |
| 8 | Inner Layer 7 | 0.035mm | ED Base Copper | | | |
| | | 0.150mm | Core IPC-4101/127/128 | 4,3 | 0,011 | FR-4.1 filled, halogen free |
| 9 | Inner Layer 8 | 0.035mm | ED Base Copper | | | |
| | | 0.125mm | Prepreg IPC-4101/127/128 | 3,7 | 0,011 | FR-4.1 filled, halogen free |
| 10 | Inner Layer 9 | 0.035mm | ED Base Copper | | | |
| | | 0.150mm | Core IPC-4101/127/128 | 4,3 | 0,011 | FR-4.1 filled, halogen free |
| 11 | Inner Layer 10 | 0.035mm | ED Base Copper | | | |
| | | 0.065mm | Prepreg IPC-4101/127/128 | 3,5 | 0,011 | FR-4.1 filled, halogen free |
| 12 | Bottom Side | 0.030mm | Starting foil 1/4oz. after plating and processing | | | |
| | Bottom Solder | 0.015mm | Soldermask IPC-SM840 | 3,5 | 0,028 | used on rigid parts |
| Total thickness: 1.820mm | | | | | | |

notes:

Final copper thickness according to IPC-6012

Please regard to our sectional design rules:
▶ www.we-online.com

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| HDI12_1-10-1_1,82_35_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 | | | |

