

| #                               | 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                                    |                             |
|                                 |                       | 0.710mm   | 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         |
| <b>Total thickness: 1.511mm</b> |                       |           |   |                             |

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:  
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**HDI8\_2-4b-2\_151\_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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