

| Build Up HDI (Standard) | |
|--------------------------|--|
| HDI10_1+8+1_1,20_35_engl | 10 - Layers Core: 0,10 mm Cu 35/35 µm |
| WE-Artikel No.: | 1 + 8 + 1 |
| Customer: | |



| layer description | | configuration |
|-------------------|--------|---------------|
| Customer | WE | |
| | TOP/VS | |
| | 2 | |
| | 3 | |
| | 4 | |
| | 5 | |
| | 6 | |
| | 7 | |
| | 8 | |
| | 9 | |
| | BOT/RS | |

| Raw-Material | CU | PREPREG | Final Thickness [µm] | Customer requirements [µm] |
|--------------|---------------------|----------|----------------------|----------------------------|
| Foil | 12 µm ¹⁾ | | 12 | |
| | | 1 x 1080 | 60 | |
| | 35 µm | | 33 | |
| 0,100 mm | | | 100 | |
| | 35 µm | | 33 | |
| | | 2 x 1080 | 124 | |
| | 35 µm | | 33 | |
| 0,100 mm | | | 100 | |
| | 35 µm | | 33 | |
| | | 2 x 1080 | 124 | |
| | 35 µm | | 33 | |
| 0,100 mm | | | 100 | |
| | 35 µm | | 33 | |
| | | 2 x 1080 | 124 | |
| | 35 µm | | 33 | |
| 0,100 mm | | | 100 | |
| | 35 µm | | 33 | |
| | | 1 x 1080 | 60 | |
| Foil | 12 µm ¹⁾ | | 12 | |

1) copper thickness outer layers: appr. 55 µm

total material thickness: 1180
Note: Lamination thickness for Prepregs depending on layout characteristics.

| | | | | | | |
|-----------------------------------|--------------|------------------------|------------|-------------------------|-----------------|----------------------|
| final lamination thickness: | 1,20 | +/- | 0,10 | mm | Date: | Engineer: |
| thickness with electro plated Cu: | 1,29 | +/- | 0,13 | mm | | |
| total thickness with soldermask | 1,35 | +/- | 0,15 | mm | | |
| customer requirement | | +/- | | mm | point: | |
| prepared: on 27.03.2006 | by S. Keller | checked: on 04.05.2006 | by M.Kress | approved: on 04.05.2006 | by R. Schönholz | revision 00 page: 3+ |