

### Build Up HDI (Standard)

HDI08\_2+4(6b)+2\_1,00\_35\_engl

**8 - Layers**

Core: 0,20 mm Cu 35/35 µm



WE-Articel No.:

2 + 4(6B) + 2

Customer:

| layer description   |        | configuration             | Raw-Material | CU  | PREPREG  | Final Thickness | Customer requirements |
|---|--------|---------------------------|--------------|---|----------|-----------------|-----------------------|
| Customer  | WE     |                           |              |   |          | [µm]            | [µm]                  |
|   | TOP/VS |                           | Foil         | 12 µm <sup>1)</sup>                           |          | 12              |                       |
|   |        |                           |              |   | 1 x 1080 | 58              |                       |
|   | 2      |                           | Foil         | 12 µm   |          | 35              |                       |
|   |        |                           |              |   | 1 x 1080 | 60              |                       |
|   | 3      |                           |              | 35 µm   |          | 33              |                       |
|   |        |                           | 0,200 mm     |   |          | 200             |                       |
|   | 4      |                           |              | 35 µm   |          | 33              |                       |
|   |        |                           |              |   | 2 x 1080 | 124             |                       |
|   | 5      |                           |              | 35 µm   |          | 33              |                       |
|   |        |                           | 0,200 mm     |   |          | 200             |                       |
|   | 6      |                           |              | 35 µm   |          | 33              |                       |
|   |        |                           |              |   | 1 x 1080 | 60              |                       |
|   | 7      |                           | Foil         | 12 µm   |          | 35              |                       |
|   |        |                           |              |   | 1 x 1080 | 58              |                       |
|   | BOT/RS |                           | Foil         | 12 µm <sup>1)</sup>                           |          | 12              |                       |
|   |        |                           |              | 1) copper thickness outer layers: appr. 55 µm |          |                 |                       |
|   |        | total material thickness: |              |   |          | 986             |                       |
| <small>Note: Lamination thickness for Prepregs depending on layout characteristics.</small> |        |                           |              |   |          |                 |                       |

|                                    |             |      |      |    |        |       |           |
|------------------------------------|-------------|------|------|----|--------|-------|-----------|
| <b>final lamination thickness:</b> | <b>1,00</b> | +/ - | 0,08 | mm |        | Date: | Engineer: |
| thickness with electro plated Cu:  | 1,09        | +/ - | 0,11 | mm |        |       |           |
| total thickness with soldermask    | 1,15        | +/ - | 0,13 | mm |        |       |           |
| customer requirement               |             | +/ - |      | mm | point: |       |           |

|            |            |            |           |              |
|------------|------------|------------|-----------|--------------|
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| on         | on         | on         | by        | by           |
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|            | M.Kress    |            | 00        | page: 21+    |