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## **GENERAL CONDITIONS FOR THE ASSEMBLY OF THE ELECTRONIC BOARDS**

### **1. TECHNICAL CAPABILITIES**

- |   |                          |
|---|--------------------------|
| - SMD pick&place:   | minimum 0402             |
| - Maximum panel for SMD pick&place:                       | 400 x 450 mm             |
| - Maximum panel for double wave soldering (THT assembly): | 380 x 380 mm             |
| - PCB thickness   | 0,8 – 4 mm               |
| - Biggest SMD component dimensions                        | 42 x 42 x 12mm           |
| - Minimum pitch for SMD ICs, connectors                   | min. 0,4 mm              |
| - Case of SMD ICs accepted                                | SOP, QFP, QFN, SSOP, BGA |
| - Maximum number of boards per panel                      | 99 pieces                |

*\*Note:*

*If your project doesn't fit into the specifications mentioned above or overpass them, please contact us in order to analyze it if we can make the requested operations.*

### **2. TECHNICAL DOCUMENTATION NEEDED FOR THE PRODUCTION:**

- The materials list, containing at least the type, the value, the reference and the number of pieces. The materials used for the final assembly, packaging, or other materials used for the project, must be also mentioned in the list (as a separate part of it).
- Information about the panellized PCB for the external layers and marking - Gerber files or on paper; the Gerber files are mandatory for the producing of the SMT stencil.
- The SMD assembly file (pick&place file) containing at least the reference, the value, x coordinate, y coordinate, turning angle and case;
- Other information regarding the production:
  - Specific for the board assembly (labels and their position, zones which must be protected during wave soldering, ...)
  - Specific for the final assembly (drawings about how the boards must be assembled together, in the case, ...)
  - Packaging instructions and materials to be used
  - Applicable standards, special technical requests, ...

**Note:**

**We prefer to receive the documentation in electronic format for an easier handling and management.**