



## Informations required for inquiries processing at PROFILL.

### 1. Automatic SMD contemporary thru-hole assembly

- bill of materials BOM of components intended for assembly. Preferred format XLS.
- assembly drawings of both PCB sides. Preferred format - PDF. Drawing content: SMD and THT components outlines and designators (C1, R2, U30). Other data like for e.g. components values are not desirable on assembly drawings.
- instruction of installation of non-standard mounted components,
- production batches expected amounts,
- information about production technology required (Pb or Pb-free),
- optional: illustrative images of PCB, model of the PCB, gerber files, pick&place files, expected lead time.

## 2. Printed Circuit Boards – PCB.

- gerber files. Both units mil or mm are allowed.
- drill files – format of any choice,
- production batches expected,
- information covering manufacturing technology expected:
  - Type and thickness of base material (FR4, 1.55mm comes as a standard)
  - Copper thickness (35 um comes as a standard)
  - Soldermask colour (green comes as standard)
  - Copper pad finish (lead-free HASL comes as standard)
  - Silkscreen colour (white comes as standard)
  - Specific requirements for eg: complicated millings, edge connectors (goldfinger), impedance control.

## 3. Electronic components

- bill of materials BOM with marked components intended to source by PROFILL. Components should be described and specified in a way that allows their unambiguous identification.