REQUIREMENTS FOR A SET OF DOCUMENTS PROVIDED BY THE CUSTOMER FOR PREPARING QUOTATIONS AND MANUFACTURE OF ELECTRONIC ASSEMBLIES

The customer provides the following documentation / information:

1. Documentation for PCB assembly must include: project file (design environment file - Altium Designer, Cadence, etc. or ODB ++ file or Gerber files), a list of components (BOM file)*, components placement file (Pick&Place), images of the board with assembled components, reference designations and polarity, requirements for non-standard components assembly. Additionally, the required acceptance class of the electronic assembly and the required type of mount technology (lead or lead-free) must be indicated.

2. **The need for additional production services:** industrial cleaning of electronic assemblies, application of conformal coating, programming and functional testing of products, case assembly, etc.

3. Quantity ordered, required shipment date.

*Note. *Requirements for Components list (BOM-file):*

BOM file is provided by the customer only in an editable format (not a picture), .xls format is preferred. BOM file must include:

a) *key (mandatory) fields*: Part Number (exact and full name of the component, according to the manufacturer), Quantity, Designator, Comments (important notes); Manufacturer.

b) *auxiliary fields:* Type, Internal code (code assigned by the customer), Description, Alternative PN, Case (case type), etc.

BOM-file example

Type	Designator	Internal code	Description	Manufacturer	Part Number	Alternative PN	Case	Quantity	Comments
Capacitor	**C5, C6**	RX-CC0003	CAP CER 10.0UF 25V 10% X5R 0806	Samsung	**CL21A106KAFN3NE**		SMT, 0805	**2**	**Shall be provided by customer**
Resistor	**R3,R4**	RX-RS0005	RES 0603 15k 5% 0.1W 100 ppm	Yageo	**RC0603JR-0715KL**	CR0603-JW-153ELF	SMT, 0603	**2**	**Purchase / DNA**
IC	**DA2**	RX-IC0007	DC/DC converter	Alpha & Omega Semiconductor	**AOZ1284PI**		SO-8	**1**	

Information from auxiliary fields should complement, but not contradict, information from key fields. If the data on an item in the key and auxiliary fields contradict each other, the information from the key fields is used as the basis by default. Any additional costs incurred as a result of inaccuracies in BOM shall be borne by the customer.

The completeness of the documentation provided by the customer directly affects the speed of processing an order. IKT specialists are always ready to provide additional services to customers for checking and correcting errors in incoming documentation.