



JD Photo-Tools

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PCB ASSEMBLY – PLACEMENT FILE WORKSHEET

Company Name: _____ Contact _____
 Address: _____ Phone : _____
 _____ Email: _____

PROJECT

Project Name: _____ Approx PCB Size: _____ x _____

Data Format supplied (In order of preference):

- IPC-D-356 & Gerber data
- Gerber 274-X & Basic Centroid File
- ODB++ & Basic Centroid File
- Gerber Data
- Films / Artworks
- Actual Board
- Other... _____

I will also supply

- B.O.M in ASCII / Excel
- Drawing showing Zero / Origin point / PCB Rotation
- Drawing with Global Fiducial positions

CUSTOMER REQUIREMENTS

- Inch
- Metric
- Component Side placement
- Solder Side placement
- Global Board Fiducials
- Component Fiducials
- X / Y Data generated as Centroid
- X / Y Data generated as Pin 1

FORMATS / OUTPUTS - (Choose as many as apply):

- FATF Assembly file
- ASCII Spreadsheet file with BOM if available
- Specific Machine Placement Format: (SMT Machine make & model) _____
- Gerber Optimized Paste Layers
- Printout Showing Placed Components

ASSEMBLY NOTES

Data Supplied:

Our preferred data format is IPC-356-D with the accompanying Gerber data. This proves the fastest method for programming machine data and also is the most accurate method.

If Gerber data is sent, we prefer it to be in 274X format and it must have an accompanying NC drill file. As well as the electrical circuit layers, please supply all available data files for all layers of the board.

B.O.M – If a Bill Of Materials is supplied, it must be in an electronic format, preferably in a CSV text file or if not a Tab Delimited / Column Delimited file such as Excel formatting can supply. Please ensure that the first row of the data contains the title of the columns. Each row of the file must contain one component reference.

Formats / Outputs:

FATF - After we have finished reverse engineering your data, we can export a Fabmaster ASCII Transfer Format file for use by assembly software. This format is widely used on many placement and In-Circuit test machines.

ASCII Spreadsheet – This is the most common format, and is a generic spreadsheet that can contain many different fields such as centroid position, pin one position, comp reference, description, value etc etc We can also customize this output for your *Specific Machine Placement Format* (please supply us with machine make/model)

Printout – We can supply a PDF, in colour, showing each side of the PCB with component positions. This is a useful reference guide for manual observations.

Gerber Optimised Paste Layers – We can supply an optimized paste layer back with oversize / undersize, corner roundings, fine pitch detection etc

Our Service:

- 1) Send all data to us along with an order, and a copy of this document duly signed and dated.
- 2) We shall email a PDF copy of the tracking layers to you.
- 3) Mark up on this document the board origin, the X and Y axis for your machine, and any board fiducials that you require. Send this printout back to us, and we can then begin the engineering process.
- 4) Once complete, we email you the file in your chosen format, along with any relevant information.

We aim to supply you back your assembly file within 7 days of receiving the complete data package, although we can offer a quicker service if required. We assume that you will check the data supplied by us very carefully before use, to assure yourself of it's validity and accuracy. We will not be held responsible for any claims or damages arising from the use of the assembly data program.

Signed:

Name:

Date: