

Bill of Materials(BOM) File for PCB Assembly

Bill of Materials is a list of all the parts that are needed for PCB Assembly, and matches those parts to the Reference Designators in the PCB layout. The BOM should have details with respect to description of the Part(value), reference designator, package, manufacturer's part number, etc.

The Bill of Materials (BOM) must contain the information below:

- **Comment** - Specify the type, specification, tolerance and so on. (e.g. 100nF 80% -20% 50CV)
- **Designator** - Mark the location of components on your board. (e.g. R201, R20, C100, U1)
(Note: Please don't use case distinction to specify your different components, we will turn all the letters into Capital case when using it for production. If you happen to use to case distinction for different parts, please do correct it)
- **Footprint** - The part package. (e.g. 0402, 0805, SSOP-8)

Recommended File Format: .csv, .xls and .xlsx.

Below is a Sample BOM file:

Comment	Designator	Footprint	JLCPCB Part # (optional)
100uF	C1	CASE-B_3528	C16133
100nF	C2, C9 C10 (Please use "spaces" or "," to separate	0603_C	C14663
10uF	C3-5 (Use a range to specify the designators like C3-5, it stands for C3,C4,C5)	1206_C	C13585
Header-Female-2.54_1x8	P2,P3	HDR-TH_8P-P2.54-V	C27438
670688000	USB1	USB-B-TH_67068-800	C114097

Download JLC Sample BOM

(https://s3.amazonaws.com/helpscout.net/docs/assets/59f1de7804286313cffbb22c/attachments/60ee4acd9e87cb3d0124d284/Sample-BOM_JLCSMT.xlsx).

✉ Still need help? Contact Us (#)

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