



## Kit and Overage Requirements

Thank you for choosing PCB Prime for your assembly needs. Our priority is to set your order up for success and alleviate any difficulties in kitting, inventory, and machine placement so your assembly can be worry-free. The guidelines below illustrate kitting and labeling that will help us move your build through production as quickly as possible. Overages are not set in stone and there is no “one-size-fits-all” approach to kitting, so if something doesn’t fit your situation, please let us know and we can modify our build process for some/all of that particular component.

### Kit Overages:

Component Size	Overage%	Overage#	Leader length	Packaging	Loose OK?
01005	100%	100 pieces	4 inches	Reel, cut tape	No
0201	100%	100 pieces	4 inches	Reel, cut tape	No
0402	50%	50 pieces	3 inches	Reel, cut tape	No
0603	20%	30 pieces	2 inches	Reel, cut tape	No
0805	10%	10 pieces	2 inches	Reel, cut tape	No
1206 / 1210 / 1812	5-10%	5-10 pieces	2 inches	Reel, cut tape	Maybe
SOT-23	10%	10 pieces	2 inches	Reel, cut tape	Maybe
SOIC / SSOP	5%	5 pieces	2 inches	Tray, Reel, Cut Tape, Tube	No
Through Hole	1%	1 piece	N/A	Any	Yes
BGA	1%	1 piece	N/A	Tray, Reel, Cut Tape, Tube	Yes
Micro BGA	20%	20 pieces	2 inches	Tray, Reel, Cut Tape, Tube	Maybe
QFN (3x3mm and up)	10%	5 pieces	2 inches	Tray, Reel, Cut Tape, Tube	Maybe
Electrolytic Cap 10x10	2%	2 pieces	1 inch	Any	Yes
Tantalum A, B	10%	5 pieces	1 inch	Tray, Reel, Cut Tape, Tube	Yes
Tantalum C, D, E	5%	5 pieces	1 inch	Any	Yes
DDPAK, DPAK	2%	2 pieces	1 inch	Any	Yes
QFP (4x4mm and up)	2%	2 pieces	1 inch	Tray, Reel, Cut Tape, Tube	No

*If additional builds will be assembled from the same kit, please double overages where possible. Numbers above are guidelines only. If a component is difficult to obtain or expensive, overage can be reduced – please mark the part as expensive so we can use a manual process to reduce attrition.*

### Labels / Part Identification:

Our machines work by identifying the first reference designator in a line item, then the manufacturer part number, then the value or description, so when we purchase components we ensure all of this data is available on the packaging, in addition to the quantity contained in the package. An example of a preferred kit label is below for reference.

BOM: 

4 CAP, 10uF, CER, 10V, 10%, 1210, X7R	C25,C26,C22,C23	GRM30ER61A107ME00L
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LABEL EXAMPLE:

**Job: 27052A Ref Des: C22**  
**MPN: GRM30ER61A107ME00L**  
 Description: Cap, 10Uf, CER, 10V, 10%, 1210 X7R

Note: A Digikey/Mouser label also contains all needed info.

Please write reference designator on bag whenever possible. Thank you!