



PCB Component Kitting Guidelines

If you have asked for a consigned assembly (or partial turnkey) quote, then at the time of placing the order you will be sending us the components for assembly. Please note our requirements for kitting the components.

1. **Each SMT component line item must be in a single continuous tape – a minimum of 6" long cut tape / Reel / mini-reel. If not available on cut tape or reels, they must be on Trays. As a last resort they can be on Tubes**
2. **Each line Item must have extra quantity of components for ATTRITION during assembly process, as per the following guidelines**

Discrete SMT passives:

- **01005 size:** 50% extra subject to a minimum of 100 pcs extra
 - Extra components Qty should be greater of 100 pcs or 50% of the required Quantity

e.g. for 01005 size components, If Required Qty = 70, 50% extra = 35, Min Qty = 100, So Total Qty Required = 70 + max (35, 100) = 70 + 100 = 170
- **0201 size:** 50% extra subject to a minimum of 50 pcs extra
 - Extra components Qty should be greater of 50 pcs or 50% of the required Quantity

e.g. for 0201 size components, If Required Qty = 70, 50% extra = 35, Min Qty = 50, So Total Qty Required = 70 + max (35, 50) = 70 + 50 = 120
- **0402 size:** 25% extra subject to a minimum of 20 extra
 - Extra components should be greater of 20 or 25% of the required Quantity
- **0603 size:** 15% extra subject to a minimum of 20 extra
 - Extra components should be greater of 20 or 15% of the required Quantity
- **0805 size:** 10% extra subject to a minimum of 10 extra
 - Extra components Qty should be greater of 10 or 10% of the required Quantity
- **1206 size or larger:** 10% extra subject to a minimum of 5 extra
 - Extra components Qty should be greater of 5 or 10% of the required Quantity

Active Devices:

- **Component Width 0.6mm or smaller:** 20% extra subject to a minimum of 20 extra
 - Extra components should be greater of 20 or 20% of the required Quantity
- **Component Width 0.6 - 1mm:** 10% extra - subject to a minimum of 10 extra
 - Extra components Qty should be greater of 10 or 10% of the required Quantity
- **Component Width 1 - 1.6mm:** 10% extra subject to a minimum of 5 extra
 - Extra components Qty should be greater of 5 or 10% of the required Quantity
- **Component Width 1.6 - 2mm:** 5% extra subject to a minimum of 5 extra
 - Extra components Qty should be greater of 5 or 5% of the required Quantity
- **Component Width Larger than 2mm:** 5% extra subject to a minimum of 2 extra
 - Extra components Qty should be greater of 2 or 5% of the required Quantity

3. **All Thru-hole (DIP) ICs must be supplied in trays or tubes or continuous tapes**

Thru-Hole Devices:

- **Small Devices:** 5% extra subject to a minimum of 2 extra
 - Extra components should be greater of 2 or 5% of the required Quantity
- **Other Devices:** 2% extra subject to a minimum of 1 extra
 - Extra components should be greater of 1 or 2% of the required Quantity

Hardware (screws, nuts, washers, etc.):

- **Hardware costing less than \$.50:** 10% extra subject to a minimum of 5 extra
 - **Hardware costing \$.50 - \$2.00:** 5% extra subject to a minimum of 2 extra
 - **Hardware costing more than \$2.00:** 2% extra subject to a minimum of 1 extra
4. Insufficient attrition will be construed as parts shortage.
 5. All consigned parts must be shipped to us in a properly kitted form (each line item of BOM in a separate bag, properly marked for identifying the component unambiguously).
 6. Kits for multiple jobs must be in separate bags identified by appropriate assembly order number.
 7. All parts must be shipped to **306 Potrero Ave. Sunnyvale, CA 94085**. Components must be received by **1:00 PM PST**. Work will begin the following day for any board received after the cut-off time.
 8. All shipments must include Order Number or Quote Number.

***All extra components subject to an additional minimum fee.**