



SURFACE MOUNT SOLUTIONS

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K I T T I N G R E Q U I R E M E N T S

In order to better serve our customers we have come up with some helpful guidelines for kitting surface mount components. These recommendations are important and have a direct relationship with meeting schedule and quoted price.

PARTS:

- Full reels work best.
- If full reels are not provided, please add 2% for all passive components to allow for machine loss. (For 0402 caps and resistors add 4%).
- Taped components, if cut, must be at least 5 inches long to load in feeder.
- If parts are loose they must be hand placed, adding extra time and cost to assembly.
- Tape feeder holes must be located on the left side of the reel.
- The reel should be labeled with the customer part number and complete part description, including value.
- IC's work better when on tape and reel than lanes or tubes, but it is not a major problem.
- All IC tubes should also be identified with customer part number and all parts should be facing the same direction.
- When handling loose IC's use care and make sure you are grounded, static charge may damage components.
- Tray components should all be facing the same way.
- All components with leads should be undamaged.

BOARDS:

- Boards and panels should have fiducials.
- Boards should be silk screened showing reference designators and polarity.
- Boards should not have components within .080 inches of the edge.
- If board size is less than 3 x 4 inches, please consider panelizing.
- Panels would ideally be approximately 8 x 10 inches.
- If double sided, it is best to put passive components on the bottom.

DATA:

- Gerber data is required to produce stencil. (Panelize data for panelized boards).
- CAD data is required for machine programming.
- BOM for current build is required for assembly.
- Complete audit sheet with all shortages listed is required for assembly.
- Sample board is always helpful.

Please let us know if we can be of further assistance in board layout and kitting.