



Sierra Components, Inc.

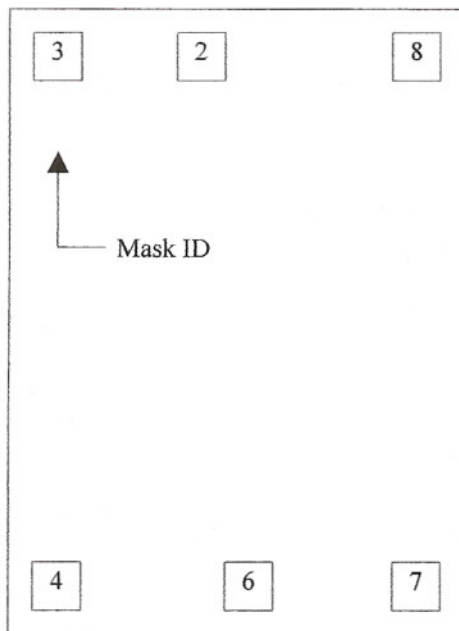
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PAD FUNCTION

- 1 NC
- 2 V_{INV}
- 3 $V_{NON-INV}$
- 4 $-V_{CC}$
- 5 NC
- 6 V_{OUT}
- 7 $+V_{CC}$
- 8 R_P

NC = NO CONNECT

45 mils



31 mils

NOTE:

Chip back may be connected to $-V_{CC}$ or left floating.

The information given is believed to be correct at the time of issue.

Please verify your requirements prior to commencement of any assembly process, as no liability for omission or error can be accepted.

Chip back potential is the level at which bulk silicon is maintained either by bond pad connection or in some cases the potential to which the chip back must be connected if stated above.

Pad positions shall obey the following rules:

1. Pad functions shall not change sequence and shall agree with the above definitions.
2. No pad function shall move by more than 1mm from the position shown.
3. No pad function shall move from a corner, and another move into that corner, even if the above constraints are met.

Note: 1 mil = 0.001inch

<u>APPROVED</u> D Markham DATE: 16/05/01	CLC505ALC NATIONAL SEMICONDUCTOR	<u>DIE INFORMATION</u> DIMENSIONS (Mils): 31 x 45 x 14 BOND PADS (Mils): 4 x 4 min MASK. REF: 96 GEOMETRY: BACK POTENTIAL: $-V_{CC}$ (SEE NOTE)
<u>SERIAL NUMBER.</u> 005221		<u>METALLISATION</u> TOP: Au BACK: Si