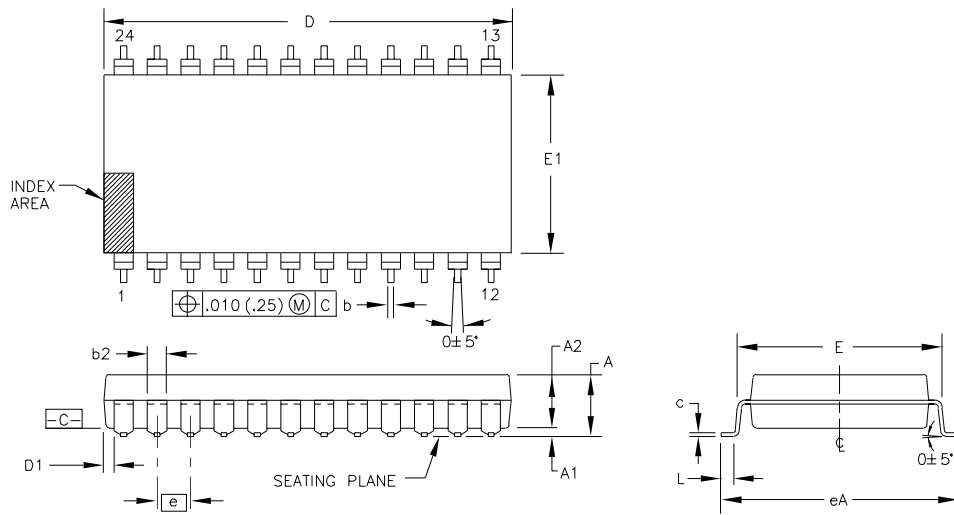


Package Number 167-4 - 24-Pin Plastic .600 Wide DIP With Gull Wing Leads



| DIM | INCHES |       | MILLIMETERS |       | N<br>OF<br>E |
|-----|--------|-------|-------------|-------|--------------|
|     | MIN.   | MAX.  | MIN.        | MAX.  |              |
| A   | --     | .250  | --          | 6.35  |              |
| A1  | .025   | --    | 0.635       | --    |              |
| A2  | .125   | .195  | 3.18        | 4.95  |              |
| b   | .014   | .022  | 0.36        | 0.56  |              |
| b2  | .030   | .070  | 0.76        | 1.78  | 5            |
| c   | .008   | .015  | 0.20        | 0.38  |              |
| D   | 1.150  | 1.290 | 29.21       | 32.77 | 3            |
| D1  | .005   | --    | 0.13        | --    | 3            |
| E   | .600   | .625  | 15.24       | 15.88 |              |
| E1  | .485   | .580  | 12.32       | 14.73 | 3            |
| e   | .100   | BASIC | 2.54        | BASIC |              |
| eA  | .690   | .730  | 17.53       | 18.54 |              |
| L   | .045   | .057  | 1.15        | 1.45  |              |
| N   | 24     |       | 24          |       | 4            |

NOTES:

1. ALL DIMENSIONS ARE IN INCHES.
2. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
3. D, D1, AND E1 DIMENSIONS FOR PLASTIC PACKAGES DO NOT INCLUDE MOLD FLASH OR PROTRUSIONS. MOLD FLASH OR PROTRUSIONS SHALL NOT EXCEED .010 (0.25mm).
4. N IS THE NUMBER OF TERMINAL POSITIONS.
5. b2 MAXIMUM DIMENSION DOES NOT INCLUDE DAMBAR PROTRUSIONS. DAMBAR PROTRUSIONS SHALL NOT EXCEED .010 (0.25mm).
6. DISTANCE BETWEEN LEADS INCLUDING DAMBAR PROTRUSIONS TO BE .005 (0.13mm) MINIMUM.

7. A VISUAL INDEX FEATURE MUST BE LOCATED WITHIN THE CROSS-HATCHED AREA.
8. FOR AUTOMATIC INSERTION, ANY RAISED IRREGULARITY ON THE TOP SURFACE (STEP, MESA, ETC.) SHALL BE SYMMETRICAL ABOUT THE LATERAL AND LONGITUDINAL PACKAGE CENTERLINES.

PACKAGE NUMBER: ZZ167-4 | REV.: A  
JEDEC NUMBER: NONE

## **IMPORTANT NOTICE**

Texas Instruments and its subsidiaries (TI) reserve the right to make changes to their products or to discontinue any product or service without notice, and advise customers to obtain the latest version of relevant information to verify, before placing orders, that information being relied on is current and complete. All products are sold subject to the terms and conditions of sale supplied at the time of order acknowledgment, including those pertaining to warranty, patent infringement, and limitation of liability.

TI warrants performance of its semiconductor products to the specifications applicable at the time of sale in accordance with TI's standard warranty. Testing and other quality control techniques are utilized to the extent TI deems necessary to support this warranty. Specific testing of all parameters of each device is not necessarily performed, except those mandated by government requirements.

Customers are responsible for their applications using TI components.

In order to minimize risks associated with the customer's applications, adequate design and operating safeguards must be provided by the customer to minimize inherent or procedural hazards.

TI assumes no liability for applications assistance or customer product design. TI does not warrant or represent that any license, either express or implied, is granted under any patent right, copyright, mask work right, or other intellectual property right of TI covering or relating to any combination, machine, or process in which such semiconductor products or services might be or are used. TI's publication of information regarding any third party's products or services does not constitute TI's approval, warranty or endorsement thereof.