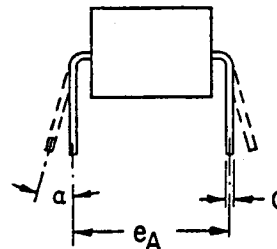
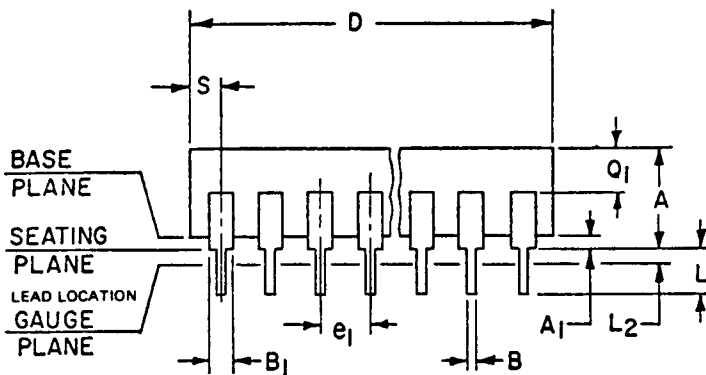
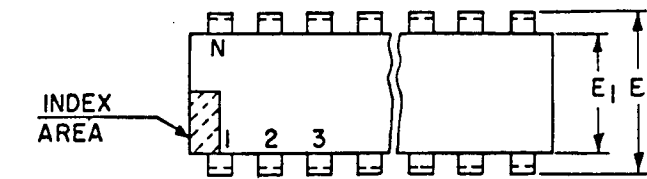


NOTES:

1. Refer to applicable symbol list.
2. Dimensioning and tolerancing per ANSI Y14.5-1973.
3. Leads within .127 radius of True Position (TP) at gauge plane with maximum material condition and unit installed.
4.  $e_1$  and  $e_A$  applies in zone  $L_2$  when unit installed.
5.  $\alpha$  applies to spread leads prior to installation.
6.  $N$  is the maximum quantity of lead positions.
7.  $N_1$  is the allowable quantity of missing leads.
8.  $E_1$  does not include mold flash.
9. Outlines on which the seating plane is coincident with the base plane ( $A_1 = 0$ ) terminal lead stand-offs are not required, and  $B_1$  may equal  $B$  along any part of the lead above the seating/base plane.
10. Controlling Dimension: INCH



VARIATIONS (ALL DIMENSIONS IN MILLIMETERS)

| SYMBOL         | AA         |       | NOTE | AB          |       | NOTE |      |      | NOTE |      |      | NOTE |
|----------------|------------|-------|------|-------------|-------|------|------|------|------|------|------|------|
|                | MIN.       | MAX.  |      | MIN.        | MAX.  |      | MIN. | MAX. |      | MIN. | MAX. |      |
| A              | 3.69       | 4.44  |      | 2.29        | 3.55  |      |      |      |      |      |      |      |
| A <sub>1</sub> | .77        | 1.27  |      | .51         | 1.65  |      |      |      |      |      |      |      |
| B              | .381       | .508  |      | .381        | .584  |      |      |      |      |      |      |      |
| B <sub>1</sub> | 1.02       | 1.27  |      | 1.12        | 1.39  |      |      |      |      |      |      |      |
| C              | .204       | .381  |      | .204        | .304  |      |      |      |      |      |      |      |
| D              | 31.50      | 32.00 |      | 31.25       | 32.25 |      |      |      |      |      |      |      |
| E              | 12.70      | 13.33 |      | 12.70       | 13.33 |      |      |      |      |      |      |      |
| E <sub>1</sub> | 9.91       | 10.41 | 8    | 11.18       | 12.19 | 8    |      |      |      |      |      |      |
| e <sub>1</sub> | 2.54 TP    |       | 3,4  | 2.54 TP     |       | 3,4  |      |      |      |      |      |      |
| e <sub>A</sub> | 12.70 TP   |       | 3,4  | 12.70 TP    |       | 3,4  |      |      |      |      |      |      |
| L              | 2.54       | 3.55  |      | 2.54        | 3.81  |      |      |      |      |      |      |      |
| L <sub>2</sub> | .00        | .76   |      | .00         | .76   |      |      |      |      |      |      |      |
| α              | 0°         | 15°   | 5    | 0°          | 15°   | 5    |      |      |      |      |      |      |
| N              | 24         |       | 6    | 24          |       | 6    |      |      |      |      |      |      |
| N <sub>1</sub> | 0          |       |      | 0           |       |      |      |      |      |      |      |      |
| Q <sub>1</sub> | 1.15       | 1.90  | 7    | 1.53        | 2.03  | 7    |      |      |      |      |      |      |
| S              | 1.66       | 2.15  |      | 1.27        | 2.54  |      |      |      |      |      |      |      |
| NOTE           | 1,2,10     |       |      | 1,2,10      |       |      |      |      |      |      |      |      |
| REF.           |            |       |      |             |       |      |      |      |      |      |      |      |
| ISSUE          | A May 1970 |       |      | C JUNE 1976 |       |      |      |      |      |      |      |      |

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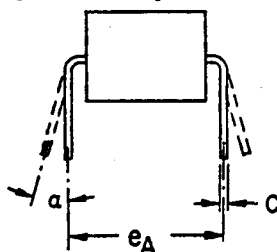
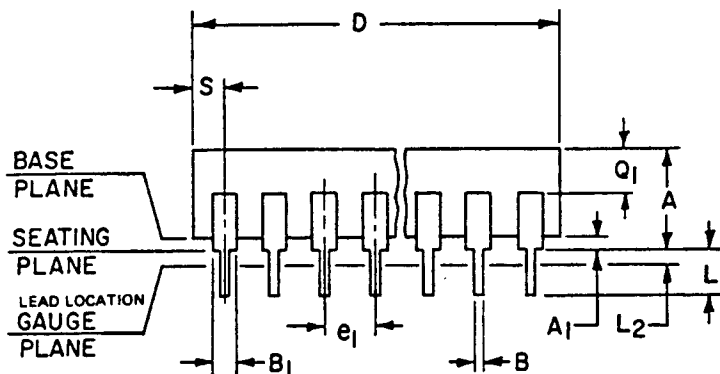
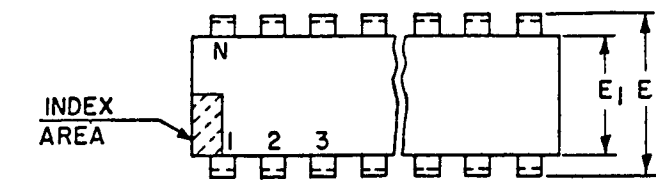
TITLE  
DUAL IN LINE (DIP) FAMILY  
12.70 Row Spacing

ISSUE  
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DATE  
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MO-024 AA-AB

## NOTES:

1. Refer to applicable symbol list.
2. Dimensioning and tolerancing per ANSI Y14.5-1973.
3. Leads within .005 radius of True Position (TP) at gauge plane with maximum material condition and unit installed.
4.  $e_1$  and  $e_A$  applies in zone  $L_2$  when unit installed.
5.  $\alpha$  applies to spread leads prior to installation.
6.  $N$  is the maximum quantity of lead positions.
7.  $N_1$  is the allowable quantity of missing leads.
8.  $E_1$  does not include mold flash.
9. Outlines on which the seating plane is coincident with the base plane ( $A_1 = 0$ ) terminal lead stand-offs are not required, and  $B_1$  may equal  $B$  along any part of the lead above the seating/base plane.
10. Controlling Dimension: INCH



## VARIATIONS (ALL DIMENSIONS IN INCHES)

| SYMBOL   | AA      |       | NOTE | AB      |       | NOTE |      |      | NOTE |      |      | NOTE |
|----------|---------|-------|------|---------|-------|------|------|------|------|------|------|------|
|          | MIN.    | MAX.  |      | MIN.    | MAX.  |      | MIN. | MAX. |      | MIN. | MAX. |      |
| A        | .145    | .175  |      | .090    | .140  |      |      |      |      |      |      |      |
| $A_1$    | .030    | .050  |      | .020    | .065  |      |      |      |      |      |      |      |
| B        | .015    | .020  |      | .015    | .023  |      |      |      |      |      |      |      |
| $B_1$    | .040    | .050  |      | .044    | .055  |      |      |      |      |      |      |      |
| C        | .008    | .015  |      | .008    | .012  |      |      |      |      |      |      |      |
| D        | 1.240   | 1.260 |      | 1.230   | 1.270 |      |      |      |      |      |      |      |
| E        | .500    | .525  |      | .500    | .525  |      |      |      |      |      |      |      |
| $E_1$    | .390    | .410  | 8    | .440    | .480  | 8    |      |      |      |      |      |      |
| $e_1$    | .100 TP |       | 3,4  | .100 TP |       | 3,4  |      |      |      |      |      |      |
| $e_A$    | .500 TP |       | 3,4  | .500 TP |       | 3,4  |      |      |      |      |      |      |
| L        | .100    | .140  |      | .100    | .150  |      |      |      |      |      |      |      |
| $L_2$    | .000    | .030  |      | .000    | .030  |      |      |      |      |      |      |      |
| $\alpha$ | 0°      | 15°   | 5    | 0°      | 15°   | 5    |      |      |      |      |      |      |
| N        | 24      |       | 6    | 24      |       | 6    |      |      |      |      |      |      |
| $N_1$    | 0       |       |      | 0       |       |      |      |      |      |      |      |      |
| $Q_1$    | .045    | .075  | 7    | .060    | .080  | 7    |      |      |      |      |      |      |
| S        | .065    | .085  |      | .050    | .100  |      |      |      |      |      |      |      |

NOTE 1,2,10

1,2,10

REF.

ISSUE A May 1970

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SOLID STATE PRODUCTS  
OUTLINES

TITLE  
DUAL IN LINE (DIP) FAMILY  
.500 Row Spacing

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