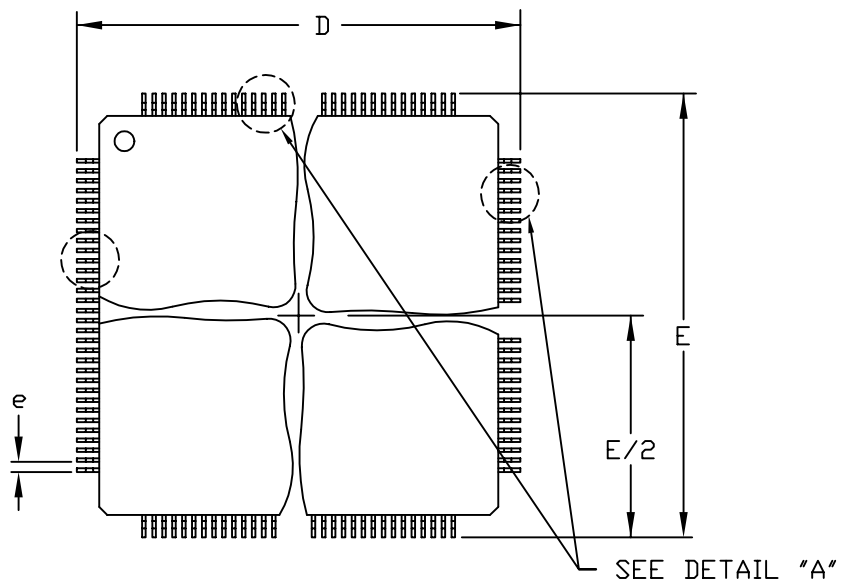
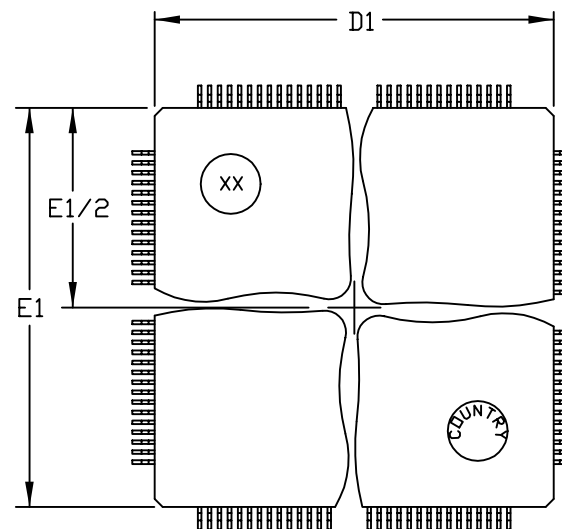


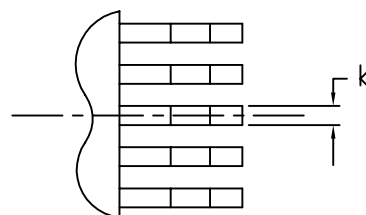
TOP VIEW



BOTTOM VIEW

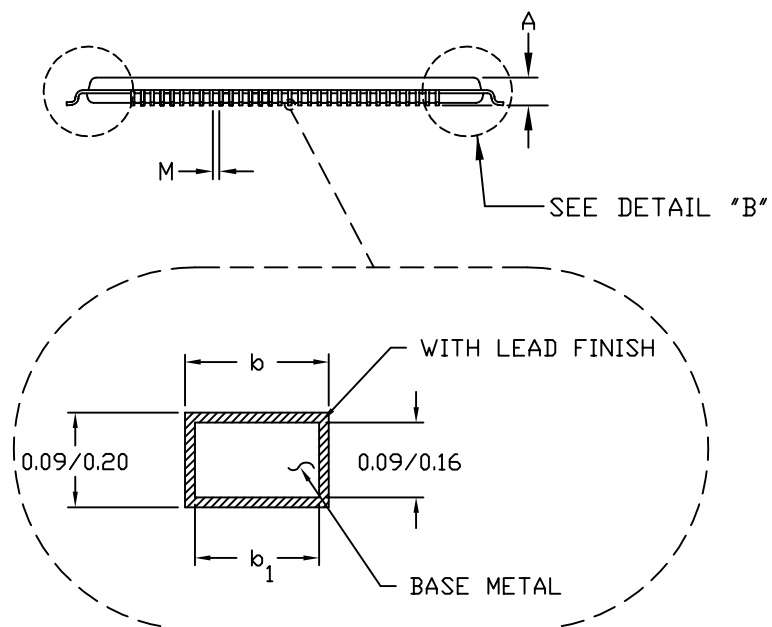
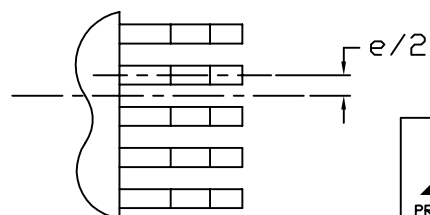


ODD LEAD SIDES



DETAIL "A"

EVEN LEAD SIDES

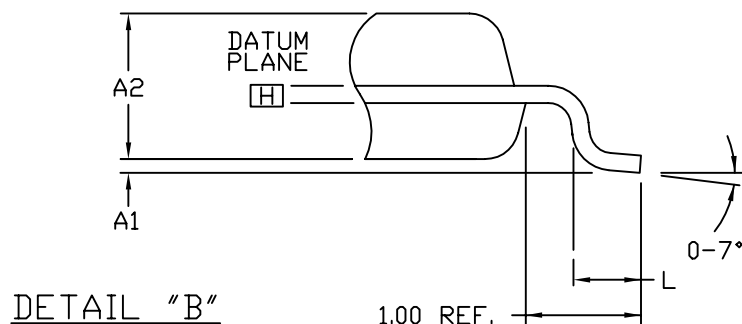


|                                       |                      |     |     |
|---------------------------------------|----------------------|-----|-----|
|                                       |                      |     |     |
| PROPRIETARY INFORMATION               |                      |     |     |
| TITLE:                                |                      |     |     |
| PKG. OUTLINE, 144L TQFP, 20x20x1.0 MM |                      |     |     |
| APPROVAL                              | DOCUMENT CONTROL NO. | REV | 1/2 |
|                                       | 21-0087              | A   |     |

## NOTES:

1. ALL DIMENSIONING AND TOLERANCING CONFORM TO ANSI Y14.5-1982.
2. DATUM PLANE  $\square$  LOCATED AT MOLD PARTING LINE AND COINCIDENT WITH LEAD, WHERE LEAD EXITS PLASTIC BODY AT BOTTOM OF PARTING LINE.
3. DIMENSIONS D1 AND E1 DO NOT INCLUDE MOLD PROTRUSION.  
ALLOWABLE MOLD PROTRUSION IS 0.254 MM ON D1 AND E1 DIMENSIONS.
4. THE TOP OF PACKAGE IS SMALLER THAN THE BOTTOM OF PACKAGE BY 0.15 MILLIMETERS.
5. DIMENSION  $b$  DOES NOT INCLUDE DAMBAR PROTRUSION.  
ALLOWABLE DAMBAR PROTRUSION SHALL BE 0.08mm TOTAL IN EXCESS OF THE  $b$  DIMENSION AT MAXIMUM MATERIAL CONDITION.
6. CONTROLLING DIMENSION: MILLIMETER.
7. THIS OUTLINE CONFORMS TO JEDEC PUBLICATION 95 REGISTRATION MO-136.
8. LEADS SHALL BE COPLANAR WITHIN .004 INCH.

| SYMBOL         | TQFP PACKAGE VARIATION        |           |
|----------------|-------------------------------|-----------|
|                | ALL DIMENSIONS IN MILLIMETERS |           |
|                | 144L, 20x20x1.0               |           |
|                | MIN.                          | MAX.      |
| A              | $\approx$                     | 1.20      |
| A <sub>1</sub> | 0.05                          | 0.15      |
| A <sub>2</sub> | 0.95                          | 1.05      |
| D              | 22.00 BSC.                    |           |
| D <sub>1</sub> | 20.00 BSC.                    |           |
| E              | 22.00 BSC.                    |           |
| E <sub>1</sub> | 20.00 BSC.                    |           |
| L              | 0.45                          | 0.75      |
| M              | 0.11                          | $\approx$ |
| N              | 144                           |           |
| e              | 0.50 BSC                      |           |
| b              | 0.17                          | 0.27      |
| b <sub>1</sub> | 0.17                          | 0.23      |



|                                       |                      |     |     |
|---------------------------------------|----------------------|-----|-----|
| <b>MAXIM</b>                          |                      |     |     |
| PROPRIETARY INFORMATION               |                      |     |     |
| TITLE:                                |                      |     |     |
| PKG. OUTLINE, 144L TQFP, 20x20x1.0 MM |                      |     |     |
| APPROVAL                              | DOCUMENT CONTROL NO. | REV |     |
|                                       | 21-0087              | A   | 2/2 |