

-DRAWING NOT TO SCALE-

|   |                                 |           |     |
|---|---------------------------------|-----------|-----|
| <b>MAXIM</b>  |                                 |           |     |
| TITLE:<br>PACKAGE OUTLINE,<br>TSSOP 4.4mm BODY, EXPOSED PAD |                                 |           |     |
| APPROVAL  | DOCUMENT CONTROL NO.<br>21-0108 | REV.<br>K | 1/2 |

| SYMBOL | COMMON DIMENSIONS |       |                |        |
|--------|-------------------|-------|----------------|--------|
|        | MILLIMETERS       |       | INCHES         |        |
|        | MIN.              | MAX.  | MIN.           | MAX.   |
| A      | --                | 1.10  | --             | 0.043  |
| A1     | 0.05              | 0.15  | 0.002          | 0.006  |
| A2     | 0.85              | 0.95  | 0.033          | 0.037  |
| b      | 0.19              | 0.30  | 0.007          | 0.012  |
| b1     | 0.19              | 0.25  | 0.007          | 0.010  |
| c      | 0.090             | 0.20  | 0.004          | 0.008  |
| c1     | 0.090             | 0.135 | 0.004          | 0.0053 |
| D      | SEE VARIATIONS    |       | SEE VARIATIONS |        |
| E      | 4.30              | 4.50  | 0.169          | 0.177  |
| e      | 0.65 BSC          |       | 0.026 BSC      |        |
| H      | 6.25              | 6.50  | 0.246          | 0.256  |
| L      | 0.50              | 0.70  | 0.020          | 0.028  |
| N      | SEE VARIATIONS    |       | SEE VARIATIONS |        |
| Y      | 2.60              | 3.10  | 0.102          | 0.122  |
| α      | 0°                | 8°    | 0°             | 8°     |


| JEDEC MO-153 | N  | Pkg.Code |   | VARIATIONS  |      |        |       |
|--------------|----|----------|---|-------------|------|--------|-------|
|              |    |          |   | MILLIMETERS |      | INCHES |       |
|              |    |          |   | MIN.        | MAX. | MIN.   | MAX.  |
| ABT-1        | 14 | U14E-3   | D | 4.90        | 5.10 | 0.193  | 0.201 |
|              |    |          | X | 2.80        | 3.10 | 0.110  | 0.122 |
| ABT          | 16 | U16E-3   | D | 4.90        | 5.10 | 0.193  | 0.201 |
|              |    |          | X | 2.60        | 3.10 | 0.102  | 0.122 |
| ACT          | 20 | U20E-1   | D | 6.40        | 6.60 | 0.252  | 0.260 |
|              |    |          | X | 3.80        | 4.20 | 0.150  | 0.165 |
| ACT          | 20 | U20E-4   | D | 6.40        | 6.60 | 0.252  | 0.260 |
|              |    |          | X | 4.50        | 4.90 | 0.177  | 0.193 |
| AET          | 28 | U28E-4   | D | 9.60        | 9.80 | 0.378  | 0.386 |
|              |    |          | X | 5.20        | 5.60 | 0.205  | 0.221 |
| AET          | 28 | U28E-5   | D | 9.60        | 9.80 | 0.378  | 0.386 |
|              |    |          | X | 6.50        | 6.90 | 0.256  | 0.272 |
| AET          | 28 | U28ME-1  | D | 9.60        | 9.80 | 0.378  | 0.386 |
|              |    |          | X | 6.50        | 6.90 | 0.256  | 0.272 |

| JEDEC MO-153 | N  | Pkg.Code |   | VARIATIONS  |      |        |       |
|--------------|----|----------|---|-------------|------|--------|-------|
|              |    |          |   | MILLIMETERS |      | INCHES |       |
|              |    |          |   | MIN.        | MAX. | MIN.   | MAX.  |
| ADT          | 24 | U24E-1   | D | 7.70        | 7.90 | 0.303  | 0.311 |
|              |    |          | X | 4.44        | 4.64 | 0.175  | 0.183 |
|              |    |          | Y | 2.64        | 2.84 | 0.104  | 0.112 |

NOTES:

1. DIMENSIONS D AND E DO NOT INCLUDE FLASH.
2. MOLD FLASH OR PROTRUSIONS NOT TO EXCEED 0.15mm PER SIDE.
3. CONTROLLING DIMENSION: MILLIMETERS.
4. MEETS JEDEC OUTLINE MO-153, SEE JEDEC VARIATIONS TABLE.
5. "N" REFERS TO NUMBER OF LEADS.
6. EXPOSED PAD FLUSH WITH BOTTOM OF PACKAGE WITHIN .002".
7. THE LEAD TIPS MUST LIE WITHIN A SPECIFIED ZONE. THIS TOLERANCE ZONE IS DEFINED BY TWO PARALLEL PLANES. ONE PLANE IS THE SEATING PLANE, DATUM [-C-]; THE OTHER PLANE IS AT THE SPECIFIED DISTANCE FROM [-C-] IN THE DIRECTION INDICATED.
8. MARKING SHOWN IS FOR PACKAGE ORIENTATION REFERENCE ONLY.
9. NUMBER OF LEADS SHOWN ARE FOR REFERENCE ONLY.
10. ALL DIMENSIONS APPLY TO BOTH LEADED (-) AND PbfREE (+) PKG. CODES.

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|   |                      |      |     |
|---|----------------------|------|-----|
|  |                      |      |     |
| TITLE:<br>PACKAGE OUTLINE,<br>TSSOP 4.4mm BODY, EXPOSED PAD                           |                      |      |     |
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