## NOTES:

1. ALL DIMENSIONS AND TOLERANCES CONFORM TO ASME Y14.5M-1994.
2. DATUM PLANE [H] LOCATED AT MOLD PARTING LINE AND COINCIDENT WITH LEAD, WHERE LEAD EXITS PLASTIC BODY AT BOTTOM OF PARTING LINE.
3. DATUMS [A-B] AND [D] TO BE DETERMINED AT DATUM PLANE [H].
4. TO BE DETERMINED AT SEATING PLANE [C].
5. DIMENSIONS D1 AND E1 DO NOT INCLUDE MOLD PROTRUSION. ALLOWABLE MOLD PROTRUSION IS 0.25mm PER SIDE. DIMENSIONS D1 AND E1 DO INCLUDE MOLD MISMATCH AND ARE DETERMINED AT DATUM PLANE [H].
6. "N" IS THE TOTAL NUMBER OF TERMINALS.
7. PACKAGE TOP DIMENSIONS ARE SMALLER THAN BOTTOM DIMENSIONS BY 0.20 MILLIMETERS, AND TOP OF PACKAGE WILL NOT OVERHANG BOTTOM OF PACKAGE.
8. DIMENSION b DOES NOT INCLUDE DAMBAR PROTRUSION. THE DAMBAR PROTRUSION(S) SHALL NOT CAUSE THE LEAD WIDTH TO EXCEED b MAXIMUM BY MORE THAN 0.08mm/.003". DAMBAR CANNOT BE LOCATED ON THE LOWER RADIUS OR THE FOOT
9. THESE DIMENSIONS APPLY TO THE FLAT SECTION OF THE LEAD BETWEEN 0.10 mm AND 0.25 mm FROM THE LEAD TIP.
10. CONTROLLING DIMENSION: MILLIMETER.
11. A1 IS DEFINED AS THE DISTANCE FROM THE SEATING PLANE TO THE LOWEST POINT OF THE PACKAGE BODY.
12. MAXIMUM ALLOWABLE DIE THICKNESS TO BE ASSEMBLED IN THIS PKG. FAMILY IS 0.51 MILLIMETERS.
13. THIS DRAWING CONFORMS TO JEDEC REGISTERED OUTLINE MS-022, VARIATION BA, BB, BC.

### VARIATIONS
DIMENSIONS IN MILLIMETERS

| SYMBOL | (BA) | | | (BB) | | | (BC) | | | NOTE |
|---|---|---|---|---|---|---|---|---|---|---|
| | MIN. | NOM. | MAX. | MIN. | NOM. | MAX. | MIN. | NOM. | MAX. | |
| A | | 2.15 | 2.35 | | 2.15 | 2.35 | | 2.15 | 2.35 | |
| $A_1$ | 0.10 | 0.15 | 0.25 | 0.10 | 0.15 | 0.25 | 0.10 | 0.15 | 0.25 | 11 |
| $A_2$ | 1.95 | 2.00 | 2.10 | 1.95 | 2.00 | 2.10 | 1.95 | 2.00 | 2.10 | |
| D | 17.20 BSC. | | | 17.20 BSC. | | | 17.20 BSC. | | | 4 |
| $D_1$ | 14.00 BSC. | | | 14.00 BSC. | | | 14.00 BSC. | | | 5 |
| $D_2$ | 12.00 REF. | | | 12.00 REF. | | | 12.35 REF. | | | |
| E | 17.20 BSC. | | | 17.20 BSC. | | | 17.20 BSC. | | | 4 |
| $E_1$ | 14.00 BSC. | | | 14.00 BSC. | | | 14.00 BSC. | | | 5 |
| $E_2$ | 12.00 REF. | | | 12.00 REF. | | | 12.35 REF. | | | |
| L | 0.73 | 0.88 | 1.03 | 0.73 | 0.88 | 1.03 | 0.73 | 0.88 | 1.03 | |
| N | 52 | | | 64 | | | | 80 | | 6 |
| e | 1.00 BSC. | | | 0.80 BSC. | | | 0.65 BSC. | | | |
| b | 0.35 | | 0.50 | 0.30 | | 0.45 | 0.22 | | 0.38 | |
| $b_1$ | 0.35 | 0.40 | 0.45 | 0.30 | 0.35 | 0.40 | 0.22 | 0.30 | 0.33 | |
| aaa | | 0.20 | | | 0.20 | | | 0.13 | | |

* VARIATION BA IS DESIGNED BUT NOT TOOLED *

| SIZE | DWG. NO. | REV. |
|---|---|---|
| B | 35922 | 01 |
| SCALE 3/1 | | SHEET 2 of 2 |