

NOTES:

- ALL DIMENSIONING AND TOLERANCES CONFIRM TO ASME Y14.5-1994
- EXITS PLASTIC BODY AT BOTTOM OF PARTING LINE. DATUM PLANE [H] LOCATED AT MOLD PARTING LINE AND COINCIDENT WITH LEAD, WHERE LEAD
- DATUMS A-B AND D TO BE DETERMINED AT CENTERLINE BETWEEN LEADS WHERE LEADS EXIT PLASTIC BODY AT DATUM PLANE $\boxed{\mathbb{H}}$
- TO BE DETERMINED AT SEATING PLANE C
- DIMENSIONS D1 AND E1 DO NOT INCLUDE MOLD PROTRUSION.
- DIMENSION D1 AND E1 INCLUDE MOLD MISMATCH AND ARE DETERMINED AT DATUM PLANE[H] ALLOWABLE MOLD PROTRUSION IS 0.254 MM PER SIDE.
- PACKAGE TOP DIMENSIONS ARE SMALLER THAN THE BOTTOM BY 0.10 MILLIMETERS "N" IS NUMBER OF TERMINALS.
- DIMENSION 6 DOES NOT INCLUDE DAMBAR PROTRUSION. ALLOWABLE DAMBAR PROTRUSION DIMENSIONS AND TOP OF PACKAGE WILL NOT OVERHANG BOTTOM OF PACKAGE.
- SHALL BE 0.08mm TOTAL IN EXCESS OF THE 6 DIMENSION AT MAXIMUM MATERIAL CONDITION DAMABR CAN NOT BE LOCATED ON THE LOWER RADIUS OR THE FOOT.
- 9. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE. $\Delta\Omega$ THE EXPOSED PAD IS COINCIDENT WITH THE TOP OR BOTTOM SIDE OF THE PACKAGE AND NOT ALLOWED TO PROTRUDE BEYOND THAT SURFACE.
- MM FROM THE LEAD TIP.
- 12. THIS DUTLINE CONFORMS TO JEDEC PUBLICATION 95 REGISTRATION MS-026-D, VAR. BFC. BUT THE EXPOSED PAD DIMENSION WAS NOT SPECIFIED ON JEDEC.
- PACKAGE BODY.
- 14. DIMENSION D2 AND E2 REPRESENT THE SIZE OF THE EXPOSED PAD. THE ACTUAL DIMENSIONS ARE SPECIFIED ON THE BONDING DIAGRAM, AND IS DEPENDENT ON THE DIE SIZE.
- EXPOSED PAD SHALL BE COPLANAR WITH BOTTOM OF PACKAGE WITHIN 0.05.
- 16. MARKING IS FOR PACKAGE ORIENTATION REFERENCE ONLY.
- 17. LEADS SHALL BE COPLANAR WITHIN 0.08mm.
- 18. MATERIAL MUST COMPLY WITH BANNED AND RESTRICTED SUBSTANCES SPEC# 10-0131
- 19. ALL DIMENSIONS APPLY TO BOTH LEADED (-) AND POFREE (+) PKG, CODES

0.07
0.08
0.19
0.23
0.40 BSC.
176 LD
0.75
20.00 BSC.
BSC.
BSC.
BSC.
1,45
0.15
1.60
MAX.
(JEDEC VARIATION)

PACKAGE DUTLINE,

176L LQFP, 20×20×1.4mm EXPOSED PAD

DOCUMENT CONTROL NO. 21-0471