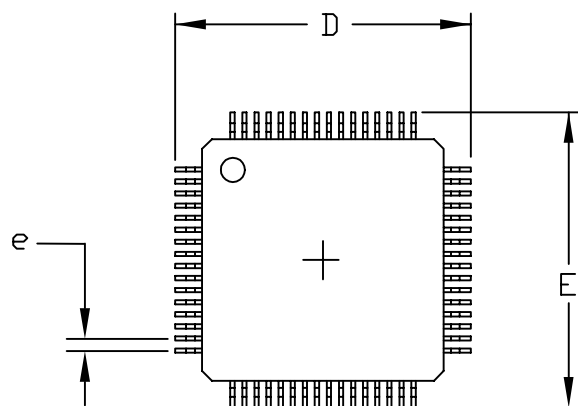
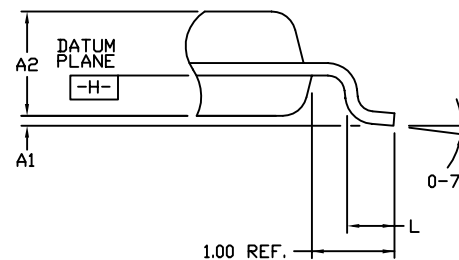
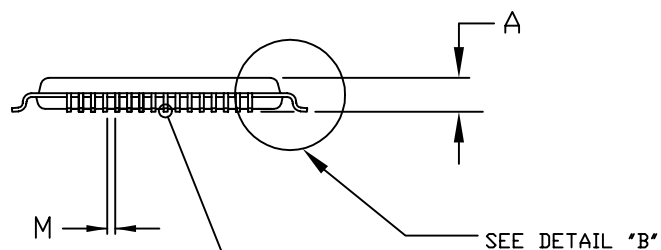
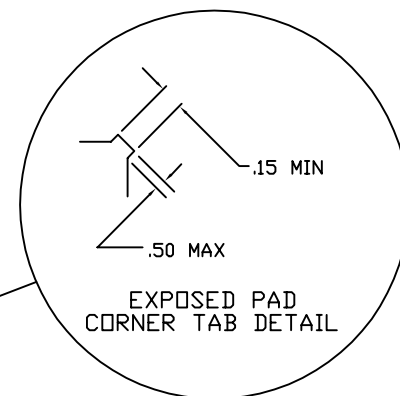
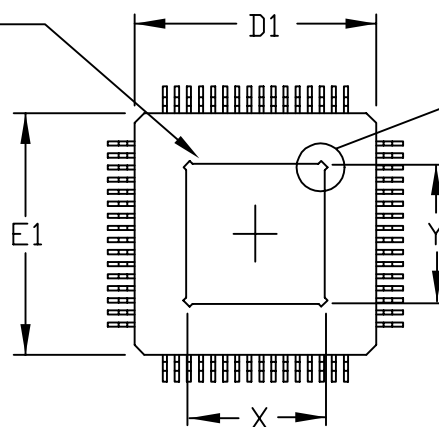


TOP VIEW



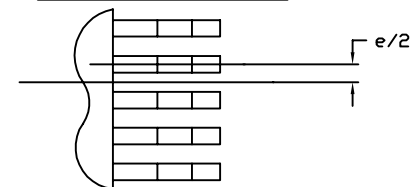
BOTTOM VIEW

EXPOSED PAD
(Note 10)

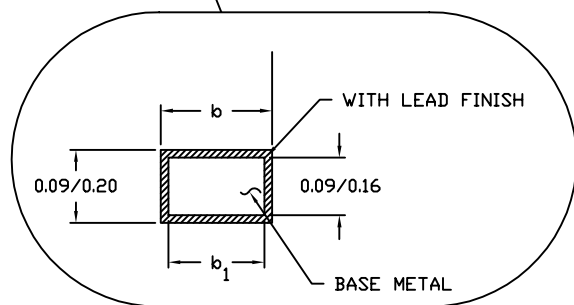


DETAIL "B"

EVEN LEAD SIDES



DETAIL "A"



PROPRIETARY INFORMATION			
TITLE: PACKAGE OUTLINE, 32/48L, 7x7x1.0 MM TQFP WITH EP OPTION			
APPROVAL	DOCUMENT CONTROL NO.	REV	1/2
	21-0065	E	

NOTES:

1. ALL DIMENSIONS AND TOLERANCING CONFORM TO ANSI Y14.5-1982.
2. DATUM PLANE -H- IS 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 0.08 MM 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, VARIATIONS AC AND AE.
8. LEADS SHALL BE COPLANAR WITHIN .004 INCH.
9. EXPOSED DIE PAD SHALL BE COPLANAR WITH BOTTOM OF PACKAGE WITHIN 2 MILS (.05 MM).
10. DIMENSIONS X & Y APPLY TO EXPOSED PAD (EP) VERSIONS ONLY. SEE INDIVIDUAL PRODUCT DATASHEET TO DETERMINE IF A PRODUCT USES EXPOSED PAD PACKAGE.

S Y M B O L	JEDEC VARIATION ALL DIMENSIONS IN MILLIMETERS					
	AC			AE		
	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.
A	<i>xx</i>	<i>xx</i>	1.20	<i>xx</i>	<i>xx</i>	1.20
A ₁	0.05	0.10	0.15	0.05	0.10	0.15
A ₂	0.95	1.00	1.05	0.95	1.00	1.05
D	9.00 BSC.			9.00 BSC.		
D ₁	7.00 BSC.			7.00 BSC.		
E	9.00 BSC.			9.00 BSC.		
E ₁	7.00 BSC.			7.00 BSC.		
L	0.45	0.60	0.75	0.45	0.60	0.75
M	0.15	<i>xx</i>	<i>xx</i>	0.14	<i>xx</i>	<i>xx</i>
N	32			48		
e	0.80 BSC.			0.50 BSC.		
b	0.30	0.37	0.45	0.17	0.22	0.27
b ₁	0.30	0.35	0.40	0.17	0.20	0.23
*X	3.20	3.50	3.80	3.70	4.00	4.30
*Y	3.20	3.50	3.80	3.70	4.00	4.30

* EXPOSED PAD
(Note 10)

			
PROPRIETARY INFORMATION			
TITLE: PACKAGE OUTLINE,			
32/48L, 7x7x1.0 MM TQFP WITH EP OPTION			
APPROVAL	DOCUMENT CONTROL NO.	REV	2/2
	21-0065	E	