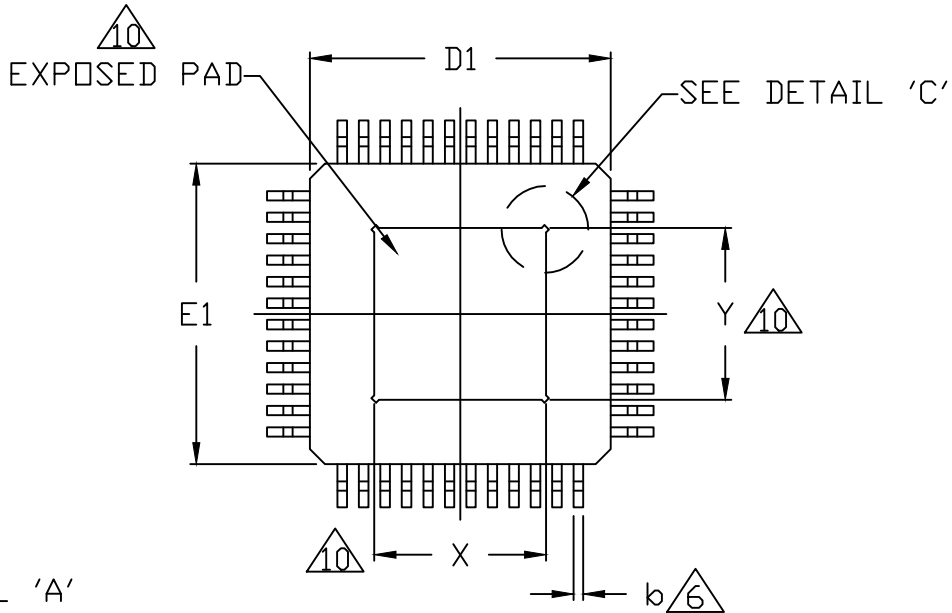
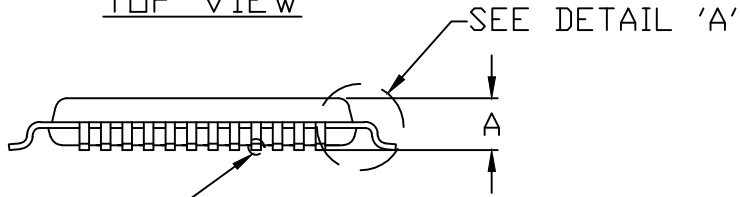


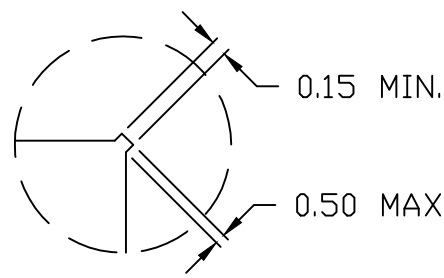
TOP VIEW



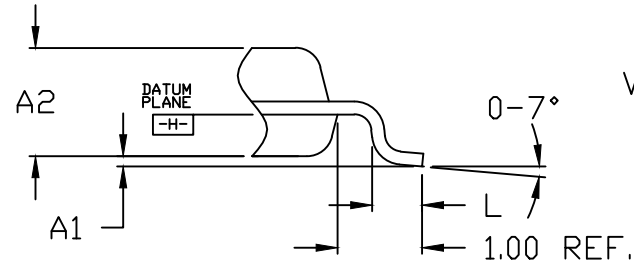
BOTTOM VIEW



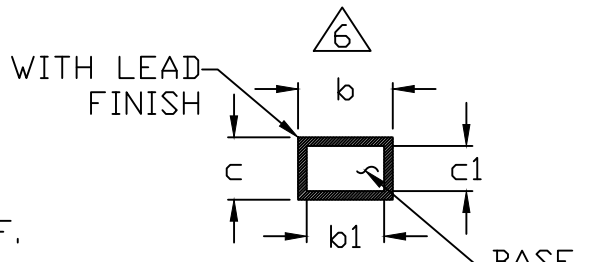
SIDE VIEW



DETAIL 'C'
EXPOSED PAD
CORNER TAB DETAIL



DETAIL 'A'



DETAIL 'B'



TITLE:
PACKAGE OUTLINE,
48L TQFP, 7x7x1.0mm EP OPTION

APPROVAL
KAI LIU

DOCUMENT CONTROL NO.
21-0065

REV. K 1/2

-DRAWING NOT TO SCALE-

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
2. ALL DIMENSIONS AND TOLERANCING CONFORM TO ANSI Y14.5-1982
3. DATUM PLANE \square IS LOCATED AT MOLD PARTING LINE AND COINCIDENT WITH LEAD, WHERE LEAD EXITS PLASTIC BODY AT BOTTOM OF PARTING LINE.
4. DIMENSIONS D1 AND E1 DO NOT INCLUDE MOLD PROTRUSION. ALLOWABLE MOLD PROTRUSION IS 0.25 MM PER SIDE.
5. THE TOP OF PACKAGE IS SMALLER THAN THE BOTTOM OF PACKAGE BY 0.15 MILLIMETERS.
6. 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.
7. THIS OUTLINE CONFORMS TO JEDEC PUBLICATION 95 REGISTRATION MS-026, VARIATION ABA-HD.
8. LEADS SHALL BE COPLANAR WITHIN 0.10 MM.
9. EXPOSED DIE PAD SHALL BE COPLANAR WITH BOTTOM OF PACKAGE WITHIN 2 MILS (0.05 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.
11. MARKING IS FOR PACKAGE ORIENTATION REFERENCE ONLY.
12. MATERIAL MUST BE COMPLIANT WITH MAXIM SPECIFICATION 10-0131 FOR SUBSTANCE CONTENT, MUST BE Eu ROHS COMPLIANT WITHOUT EXEMPTION AND PB-FREE.
13. ALL DIMENSIONS APPLY TO BOTH LEADED (-) AND PbFREE (+) PKG. CODES.

SYMBOL	JEDEC VARIATION		
	ABC-HD		
	MIN.	NOM.	MAX.
A	0.05	0.10	1.20
A ₁	0.05	0.10	0.15
A ₂	0.95	1.00	1.05
D	8.90	9.00	9.10
D ₁	6.90	7.00	7.10
E	8.90	9.00	9.10
E ₁	6.90	7.00	7.10
L	0.45	0.60	0.75
N	48		
e	0.50 BSC.		
b	0.17	0.22	0.27
b ₁	0.17	0.20	0.23
c	0.09	--	0.20
c ₁	0.09	--	0.16

PKG. CODE	EXPOSED PAD VARIATIONS					
	X			Y		
	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.
C48E+7	3.70	4.00	4.30	3.70	4.00	4.30
C48E+8	4.70	5.00	5.30	4.70	5.00	5.30
C48E+8C	4.70	5.00	5.30	4.70	5.00	5.30
C48E+10	3.70	4.00	4.30	3.70	4.00	4.30
C48MKE+1	4.70	5.00	5.30	4.70	5.00	5.30



TITLE:
PACKAGE OUTLINE,
48L TQFP, 7x7x1.0mm EP OPTION

APPROVAL
KAI LIU

DOCUMENT CONTROL NO.
21-0065

REV. K 2/2

-DRAWING NOT TO SCALE-