

SEE FIGURE 1, PAGE2
FOR BOTTOM VIEWS DEFINING
EXPOSED-PAD & NON-EXPOSED PAD VARIATIONS

JEDEC
SOLID STATE
PRODUCT OUTLINES

THIS REGISTERED OUTLINE HAS BEEN PREPARED BY THE JEDEC JC-11 COMMITTEE
AND REFLECTS A PRODUCT WITH ANTICIPATED USAGE IN THE ELECTRONICS
INDUSTRY. CHANGES ARE LIKELY TO OCCUR.

THIN PROFILE, 3 LEAD
PLASTIC SMALL OUTLINE,
SURFACE MOUNT

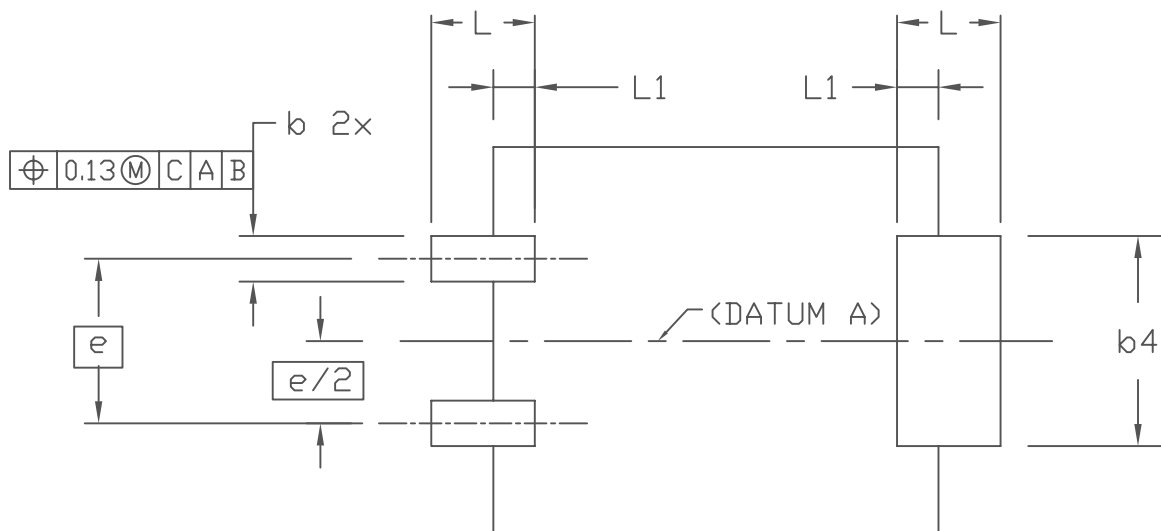
PACKAGE DESIGNATOR
T-PSOF-3

ISSUE
B

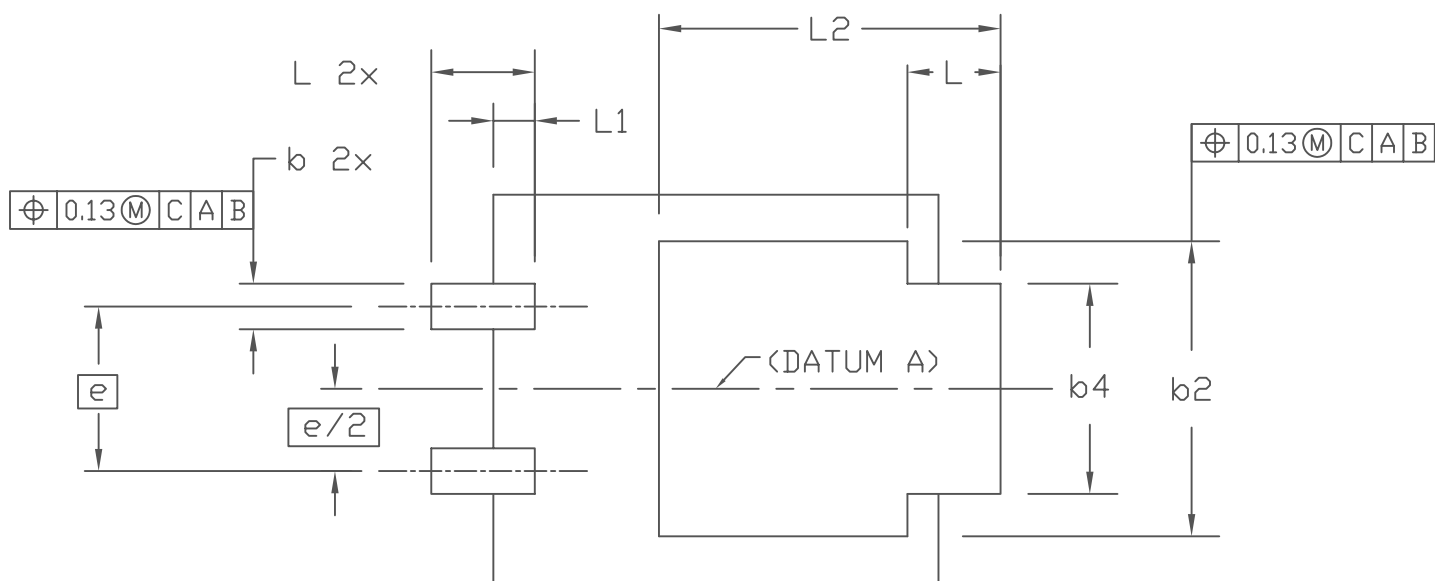
DATE
NOV 06

TOP-278

SHEET
1 OF 7

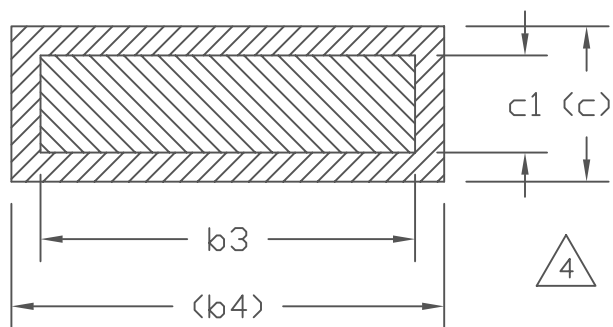


Standard Version
(VARIATIONS AA, AB & AC)

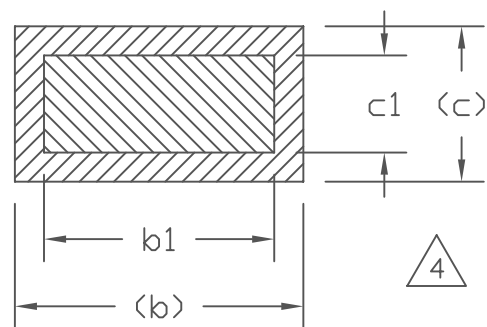


Exposed Pad
(VARIATIONS BA, BB, BC)

FIGURE 1



Section A-A



Section B-B

	VARIATIONS - STANDARD														
	AA					AB					AC				
	Min	Nom	Max	Note		Min	Nom	Max	Note		Min	Nom	Max	Note	
A	0.90	1.00	1.10			0.90	1.00	1.10			0.90	1.00	1.10		
b	0.35	—	0.65	4		0.55	—	0.85	4		0.25	—	0.55	4	
b1	0.35	—	0.55	4		0.55	—	0.75	4		0.25	—	0.45	4	
b3	1.95	—	2.10	4		2.90	—	3.10	4		1.25	—	1.55	4	
b4	1.95	2.05	2.20	4		2.90	3.00	3.20	4		1.25	1.50	1.65	4	
c	0.15	—	0.40	4		0.15	—	0.40	4		0.15	—	0.40	4	
c1	0.15	0.20	0.30	4		0.15	0.20	0.30	4		0.15	0.20	0.30	4	
D	3.30	3.75	3.95	3		5.55	5.65	6.25	3		2.25	2.80	2.95	3	
E	5.10	5.50	5.60			7.75	7.90	8.15			4.80	5.20	5.60		
E1	4.05	4.30	4.60	3		6.60	6.70	7.15	3		3.95	4.15	4.60	3	
L	0.75	1.00	1.50			0.75	1.15	1.50			0.75	1.00	1.50		
L1	0.00	---	---			0.00	---	---			0.00	---	---		
<div>e</div>		1.60 BSC					2.35 BSC					1.15 BSC			
Note															
Ref.	10-441					10-441					10-441				
Issue	B					B					B				
JEDEC SOLID STATE PRODUCT OUTLINES			THIN PROFILE, 3 LEAD PLASTIC SMALL OUTLINE, SURFACE MOUNT					ISSUE B		DATE NOV 06		TOP-278		SHEET 4 OF 7	

	VARIATIONS - EXPOSED PAD												
	BA					BB					BC		
	Min	Nom	Max	Note		Min	Nom	Max	Note	Min	Nom	Max	Note
A	0.90	1.00	1.10			0.90	1.00	1.10		0.90	1.00	1.10	
b	0.35	–	0.65	4		0.55	–	0.85	4	0.25	–	0.55	4
b1	0.35	–	0.55	4		0.55	–	0.75	4	0.25	–	0.45	4
b2	2.50	2.85	3.20			4.15	4.65	5.15		1.55	1.90	2.25	
b3	1.95	–	2.10	4		2.90	–	3.10	4	1.25	–	1.55	4
b4	1.95	2.05	2.20	4		2.90	3.00	3.20	4	1.25	1.50	1.65	4
c	0.15	–	0.40	4		0.15	–	0.40	4	0.15	–	0.40	4
c1	0.15	0.20	0.30	4		0.15	0.20	0.30	4	0.15	0.20	0.30	4
D	3.30	3.75	3.95	3		5.55	5.65	6.25	3	2.25	2.80	2.95	3
E	5.10	5.50	5.60			7.75	7.90	8.15		4.80	5.20	5.60	
E1	4.05	4.30	4.60	3		6.60	6.70	7.15	3	3.95	4.15	4.60	3
L	0.75	1.00	1.50			0.75	1.15	1.50		0.75	1.00	1.50	
L1	0.00	---	---			0.00	---	---		0.00	---	---	
L2	3.00	3.20	3.40			5.05	5.55	6.05		2.30	2.70	3.10	
<div>e</div>		1.60 BSC					2.35 BSC				1.15 BSC		
Note													
Ref.	10-441					10-441				10-441			
Issue	B					B				B			
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NOTES:

1 - Dimensioning and Tolerancing per ASME Y14.5M-1994

2 - All dimensions in millimeters

△3 - Dimensions D and E1 do not include mold flash
Mold flash shall not exceed 0.13mm per side

△4 - Dimensions b1, b3 & c1 apply to base metal only
Dimensions b, b4 and c apply to plated leads

5 - STMicroelectronics Inc. has applied for patents that may apply to this registration. If these patents or later patents resulting from related applications do apply, this company intends to comply with the JEDEC patent policy.

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Change Record

If the change involves any words added or deleted (excluding deletion of accidentally repeated words), the change is to be included below. Punctuation changes may or may not be included.

Initial Issue: A	Date: May 2006	JC 11 Item Number :10-438

Change Record History

Issue: B	Date : NOV 2006	Item Number: 11.10-441
Location	Changed from:	Changed to:
Page 2		Moved Callout for Basic Dim "e/2" because alignment of leaders with other Dims leaders caused confusion. Changed Centr Line of small lead in Exposed Pad variation to proper line style.
Pages 4 & 5: All Variations		Reversed values between "b3" & "b4" to correct error in original release.

Issue:	Date :	Item Number
Location	Changed from:	Changed to:

Issue:	Date :	Item Number
Location	Changed from:	Changed to: