





FIGURE 2

JEDEC SOLID STATE PRODUCT OUTLINES	TITLE LOW PROFILE, EXPOSED PAD PLASTIC SMALL OUTLINE FAMILY, 3.90 mm BODY WIDTH	ISSUE A	DATE MAY06	MO-272	SHEET 2 OF 6
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S Y M B O L	COMMON DIMENSIONS			N O T E
	MIN	NOM	MAX	
A	—	—	1.70	
A1	0.00	—	0.10	10
A2	1.10	—	1.65	
c	0.17	—	0.25	7
c1	0.17	0.20	0.23	7
D	4.90 BASIC			3,4
E	6.00 BASIC			
E1	3.90 BASIC			3,4
L	0.40	0.60	0.85	
L1	1.00 REF			
L2	0.25 BASIC			
R	0.07	—	—	
R1	0.07	—	—	
h	0.25	—	0.50	9
θ	0°	—	8°	
θ1	5°	—	15°	
θ2	0°	—	—	
NOTE	1,2			
REF	11–737			
ISSUE	A			

S Y M B O L	TOLERANCES OF FORM AND POSITION	N O T E
aaa	0.20	
bbb	0.20	
ccc	See Variations	
ddd	See Variations	
eee	0.10	
fff	0.20	
ggg	0.150	
NOTE	1,2	
REF	11–737	
ISSUE	A	

VARIATION TABLE

VARIATION ► SYMBOL ▼		AA	BA	CA	DA	NOTES
b	MIN	0.31	0.30	0.25	0.200	
	NOM	---	---	---	---	7,8
	MAX	0.51	0.50	0.40	0.300	
b1	MIN	0.28	0.35	0.25	0.200	
	NOM	0.40	0.40	0.30	0.250	7,8
	MAX	0.48	0.45	0.35	0.280	
D1	MIN	3.00	3.00	3.00	3.00	
	NOM	---	---	---	---	
	MAX	4.00	4.00	4.00	4.00	
E2	MIN	2.00	2.00	2.00	2.00	
	NOM	---	---	---	---	
	MAX	3.00	3.00	3.00	3.00	
	e	1.00 BSC.	0.80 BSC.	0.65 BSC.	0.50 BSC.	
N		10	12	14	16	6
TOLERANCES OF FORM AND POSITION						
ccc		0.10	0.10	0.10	0.08	
ddd		0.20	0.20	0.12	0.08	
NOTES						
REF		11-737				
ISSUE		A				

NOTES:

1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994.

2. DIMENSIONS IN MILLIMETERS ( ANGLES IN DEGREES)



DIMENSION D DOES NOT INCLUDE MOLD FLASH, PROTRUSIONS OR GATE BURRS. MOLD FLASH, PROTRUSIONS OR GATE BURRS SHALL NOT EXCEED 0.15 mm PER END. DIMENSION E1 DOES NOT INCLUDE INTERLEAD FLASH OR PROTRUSION. INTERLEAD FLASH OR PROTRUSION SHALL NOT EXCEED 0.25 mm PER SIDE. D AND E1 DIMENSIONS ARE DETERMINED AT DATUM H



THE PACKAGE TOP MAY BE SMALLER THAN THE PACKAGE BOTTOM. DIMENSIONS D AND E1 ARE DETERMINED AT THE OUTERMOST EXTREMES OF THE PLASTIC BODY EXCLUSIVE OF MOLD FLASH, TIE BAR BURRS, GATE BURRS AND INTERLEAD FLASH, BUT INCLUDING ANY MISMATCH BETWEEN THE TOP AND BOTTOM OF THE PLASTIC BODY.



DATUMS A & B TO BE DETERMINED AT DATUM H.

6 "N" IS THE MAXIMUM NUMBER OF TERMINAL POSITIONS FOR THE SPECIFIED PACKAGE LENGTH.



THE DIMENSIONS APPLY TO THE FLAT SECTION OF THE LEAD BETWEEN 0.10 TO 0.25 mm FROM THE LEAD TIP.



DIMENSION 'b' DOES NOT INCLUDE DAMBAR PROTRUSION. ALLOWABLE DAMBAR PROTRUSION SHALL BE 0.10 mm TOTAL IN EXCESS OF THE "b" DIMENSION AT MAXIMUM MATERIAL CONDITION. THE DAMBAR CANNOT BE LOCATED ON THE LOWER RADIUS OF THE FOOT.



THIS CHAMFER FEATURE IS OPTIONAL. IF IT IS NOT PRESENT, THEN A PIN 1 IDENTIFIER MUST BE LOCATED WITHIN THE INDEX AREA INDICATED



'A1' IS DEFINED AS THE VERTICAL DISTANCE FROM THE SEATING PLANE TO THE LOWEST POINT ON THE PACKAGE BODY.



'D1' AND 'E2' MINIMUM DIMENSIONS OF THERMALLY ENHANCED TYPES ARE VARIABLES DEPENDING ON DEVICE FUNCTION (DIE PADDLE SIZE). END USER SHOULD VERIFY ACTUAL SIZE OF EXPOSED THERMAL PAD FOR SPECIFIC DEVICE APPLICATION. THE THERMAL VARIATIONS IN THIS REGISTRATION ARE IN COMPLIANCE WITH JEP95, SECTION 3, SPP-022.

12 A COMPANY HAS ISSUED PATENTS THAT MAY APPLY TO THIS REGISTRATION. IF THE CURRENT ISSUED PATENTS OR LATER PATENTS DO APPLY, THIS COMPANY INTENDS TO COMPLY WITH THE JEDEC PATENT POLICY. REFERENCE PATENTS ARE AS FOLLOWS:

STMicroelectronics Inc.: European Patent # EP1557881

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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.

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### Change Record History

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