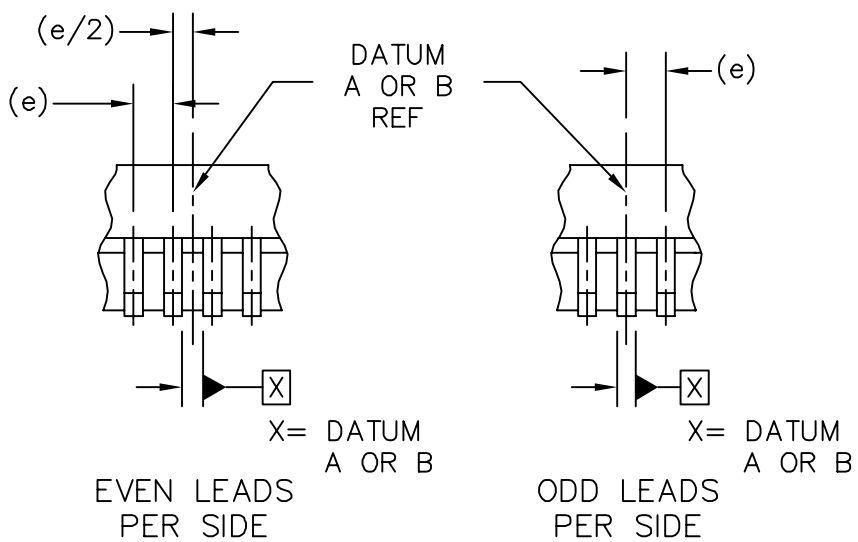
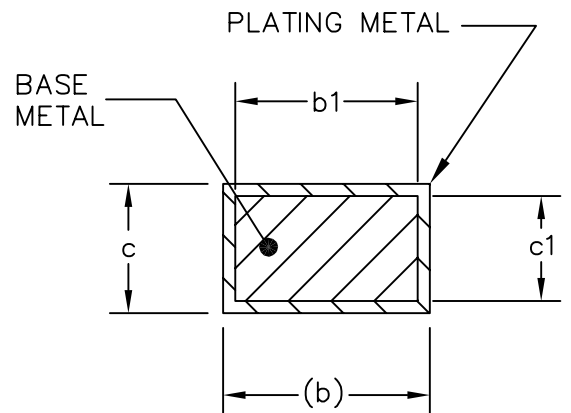


BOTTOM VIEW
THERMALLY ENHANCED VARIATIONS



VIEW E



SECTION D-D



JEDEC SOLID
STATE PRODUCT
OUTLINE

TITLE
PLASTIC SMALL OUTLINE,
SOIC WIDE BODY,
7.5 BODY WIDTH, 0.65 PITCH

ISSUE
A

DATE
JULY
07

MO-286

SHEET
2 OF 5

TABLE 1

SUMMARY TABLE				
VARIATION	PACKAGE SIZE	LEAD PITCH	N	THERMAL PAD
AA	7.50 X 11.00	0.65	32	NO
AB	7.50 X 17.90	0.65	54	NO
BA	7.50 X 11.00	0.65	32	BOTTOM
BB	7.50 X 17.90	0.65	54	BOTTOM
CA	7.50 X 11.00	0.65	32	TOP
CB	7.50 X 17.90	0.65	54	TOP

TABLE 2

COMMON DIMENSIONS				
SYMBOL	MIN	NOM	MAX	NOTES
A2	2.20	---	2.50	
b	0.22	---	0.38	7, 8
b1	0.22	---	0.33	
c	0.15	---	0.30	7
c1	0.15	---	0.26	
E	10.30 BSC			
E1	7.40	7.50	7.60	
e	0.65 BSC			
L	0.50	---	0.90	
L1	(1.40)			
θ	0°	4°	8°	
$\theta 1$	3°	9°	15°	
$\theta 2$	0°	---	---	
R1	0.07	---	---	
NOTES	1, 2			
REF	11-771			
ISSUE	A			

TABLE 3

TOLERANCES OF FORM AND POSITION	
aaa	0.30
bbb	0.13
ccc	0.10
ddd	0.30
NOTES	1, 2
REF	11-771
ISSUE	A

TABLE 4

VARIATION TABLE											
SYMBOL VARIATION	N	A	A1	D			D1	E2	NOTE	REF	ISSUE
		MAX	MIN	MAX	MIN	NOM	MAX	MIN	MIN		
AA	32	2.80	0.10	0.30	10.80	11.00	11.20	---	---	1,2	11-771 A
AB	54	2.80	0.10	0.30	17.70	17.90	18.10	---	---	1,2	11-771 A
BA	32	2.65	0.00	0.15	10.80	11.00	11.20	2.50	2.50	1,2	11-771 A
BB	54	2.65	0.00	0.15	17.70	17.90	18.10	2.50	2.50	1,2	11-771 A
CA	32	2.65	0.00	0.15	10.80	11.00	11.20	2.50	2.50	1,2	11-771 A
CB	54	2.65	0.00	0.15	17.70	17.90	18.10	2.50	2.50	1,2	11-771 A
NOTE					3, 4			10	10		

NOTES:

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

2. DIMENSIONS ARE IN MILLIMETERS, ANGLES ARE IN DEGREES. .

3. 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 PLANE H.

4. THE PACKAGE TOP MAY BE SMALLER THAN THE PACKAGE BOTTOM. DIMENSIONS D AND E1 ARE DETERMINED AT THE OUTER MOST 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.

5. DATUMS A AND B TO BE DETERMINED AT DATUM PLANE H.

6. TERMINAL NUMBERS ARE SHOWN FOR REFERENCE ONLY.

7. THE DIMENSIONS APPLY TO THE FLAT SECTION OF THE LEAD BETWEEN 0.10 mm TO 0.30 mm FROM THE LEAD TIP.

8. 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.

9. DETAILS OF THE PIN 1 INDEX ARE OPTIONAL, BUT MUST BE LOCATED WITHIN THE ZONE INDICATED. THE SIZE OF THE ZONE IS 0.25 X D BY 0.75 X E1.

10. THERMALLY ENHANCED VARIATIONS ARE DESIGNATED WITH EITHER THE INITIAL LETTER B OR C. Bx VARIATIONS HAVE THE EXPOSED PAD ON THE BOTTOM SIDE OF THE PACKAGE AND Cx VARIATIONS HAVE THE EXPOSED PAD ON THE TOP SIDE OF THE PACKAGE.

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

JEDEC SOLID STATE PRODUCT OUTLINE	TITLE PLASTIC SMALL OUTLINE, WIDE BODY SOIC, 7.5 BODY WIDTH, 0.65 PITCH	ISSUE A	DATE JULY 07	MO-286	SHEET 4 OF 5
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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: JULY 07	Item: 11-771
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Revision History:

Issue:	Date:	Item:
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Location	Change from:	Change to:

Issue:	Date:	Item:
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Location	Change from:	Change to:

Issue:	Date:	Item:
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Location	Change from:	Change to:

JEDEC SOLID STATE PRODUCT OUTLINE	TITLE PLASTIC SMALL OUTLINE, WIDE BODY SOIC, 7.5 BODY WIDTH, 0.65 PITCH	ISSUE A	DATE JULY 07	MO-286	SHEET 5 OF 5
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