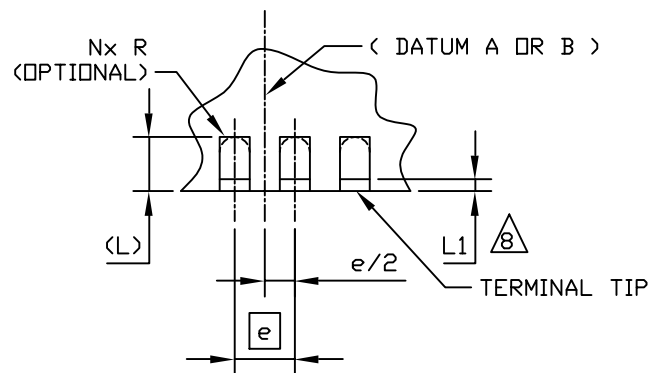


ODD TERMINAL PER SIDE



EVEN TERMINAL PER SIDE

DETAIL A

TABLE 1

COMMON DIMENSIONS							
	V: VERY THIN			W: VERY VERY THIN			
SYMBOL	MIN	NOM	MAX	MIN	NOM	MAX	NOTES
A	0.80	0.90	1.00	0.70	0.75	0.80	
A1	0.00	0.02	0.05	0.00	0.02	0.05	
A3	-	0.20 REF	-	-	0.20 REF	-	
b	0.18	0.25	0.30	0.18	0.25	0.30	5
L1	0.00	-	0.15	0.00	-	0.15	8
θ	0	-	12	0	-	12	
k	0.20	-	-	0.20	-	-	
R	b MIN/2	-	-	b MIN/2	-	-	
REF.	11.11-662						
NOTES	1,2						
ISSUE	B						

TABLE 2

TOLERANCE OF FORM AND POSITION		
SYMBOL		NOTES
aaa	0.15	
bbb	0.10	
ccc	0.10	
ddd	0.05	
eee	0.08	7
REF.	11-644	
NOTES	1,2	
ISSUE	A	

TABLE 3

		[e] = 0.50 PITCH						
VARIATIONS		VAA	VAB	VAC	VBA	VBB	VBC	NOTE
SYMBOL		WAA	WAB	WAC	—	—	—	
D BSC		3.00	3.50	4.50	3.50	4.00	4.50	
E BSC		2.50	2.50	2.50	3.50	3.50	3.50	
D2 MAX		1.65	2.15	3.15	2.15	2.65	3.15	
E2 MAX		1.15	1.15	1.15	2.15	2.15	2.15	
e BSC		0.50	0.50	0.50	0.50	0.50	0.50	
e1 BSC		0.50	0.50	0.50	1.50	1.50	1.50	10
L	MIN	0.30	0.30	0.30	0.30	0.30	0.30	
	NOM	0.40	0.40	0.40	0.40	0.40	0.40	
	MAX	0.50	0.50	0.50	0.50	0.50	0.50	
N		14	16	20	14	16	20	3
ND		5	6	8	5	6	8	6
NE		2	2	2	2	2	2	6
NOTES		1,2						
REF.		11.11-662						
ISSUE		B						

NOTES:

1. ALL DIMENSIONING AND TOLERANCING CONFORM TO ASME Y14.5M-1994.

2. ALL DIMENSIONS ARE IN MILLIMETERS (ANGLES IN DEGREES).

3. N IS THE MAX NUMBER OF TERMINALS.

4. THE TERMINAL #1 IDENTIFIER SHALL CONFORM TO JEDEC PUBLICATION 95, SECTION 4.3, SPP-012. TERMINAL NUMBERING IS DERIVED FROM DUAL INLINE CONVENTION BY MOVING THE CORNER TERMINALS FROM THE LONG SIDE TO THE SHORT SIDE. THIS RESULTS IN SMALLER BODY SIZE AND OPTIMIZED WIRING IN THE PACKAGE, WITHOUT LOOSING DUAL IN LINE BOARD MOUNTING CHARACTERISTICS. DETAILS OF TERMINAL #1 IDENTIFIER ARE OPTIONAL, BUT MUST BE LOCATED WITHIN THE ZONE INDICATED.
THE TERMINAL #1 IDENTIFIER MAY BE EITHER A MOLD OR MARKED FEATURE.

5. DIMENSION b APPLIES TO METALIZED TERMINAL AND IS MEASURED BETWEEN 0,15mm AND 0,30mm FROM THE TERMINAL TIP. IF THE TERMINAL HAS THE OPTIONAL RADIUS ON THE OTHER END OF THE TERMINAL, THE DIMENSION b SHOULD NOT BE MEASURED IN THAT RADIUS AREA.

6. ND AND NE REFER TO THE NUMBER OF TERMINALS ON EACH D AND E SIDE RESPECTIVELY. NE SHALL ALWAYS BE 2.

7. UNILATERAL COPLANARITY ZONE APPLIES TO THE EXPOSED HEAT SINK SLUG AS WELL AS THE TERMINALS.

8. DEPENDING ON THE METHOD OF LEAD TERMINATION AT THE EDGE OF THE PACKAGE, A MAXIMUM 0.15 mm PULL BACK (L1) MAYBE PRESENT.
L MINUS L1 TO BE EQUAL TO OR GREATER THAN 0.30 mm.

9. VARIATION AA IS SHOWN FOR ILLUSTRATION ONLY.

10. e1 SHALL ONLY BE A MULTIPLE OF THE PITCH e.

JEDEC SOLID STATE PRODUCT OUTLINES	TITLE DUAL COMPATIBLE THERMALLY ENHANCED PLASTIC VERY THIN AND VERY VERY THIN FINE PITCH QUAD FLAT NO LEAD PACKAGE FAMILIES	ISSUE B	DATE August 2003	MO-241	SHEET 4 of 4
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