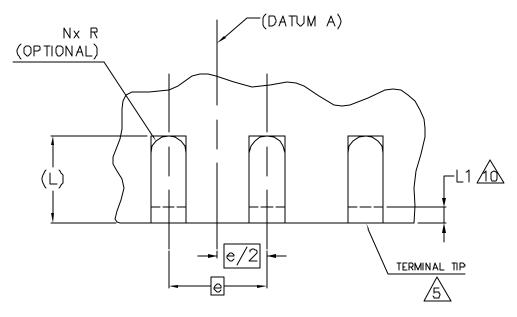
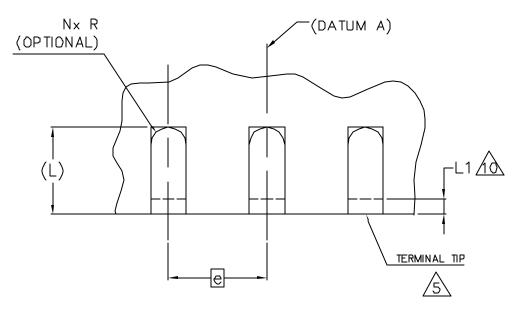


## **DETAIL A**



EVEN TERMINAL/SIDE



ODD TERMINAL/SIDE

JEDEC SOLID STATE PRODUCT OUTLINES	HIGH PROFILE PLASTIC THERMALLY ENHANCED ENLARGED PITCH DUAL FLAT NO LEAD PACKAGE	ISSUE A	DATE SEP 03	MO-245	SHEET 2 OF 7
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TABLE 1

	VARIATION DESIGNATORS											
FIRST DIGIT CODE SECOND DIGIT CODE		IGIT CODE	THIRD DIGIT CODE		FOURTH DIGIT CODE							
OVERALL .	HEIGHT	BODY LENGTH		BODY V	WIDTH	TERMINA	L PITCH					
А	LETTER CODE	D	LETTER CDDE	E	LETTER CDDE	е	LETTER CODE					
2.20 MAX	Α	5.00	Α	5.00	А	2.50	Α					
1.95 MAX	В	6.00	В	6.00	В	1,75	В					
		9.00	С	9.00	С	1.25	С					
		10.50	D	10.50	D							

EXAMPLE : A 16 TERMINAL P-HPDFN WHICH IS 10.5mm LONG (DIMENSION D) BY 9mm WIDE (DIMENSION E) AND A 1.25mm PITCH WILL BE VARIATION ADCC.

TABLE 2

TOLERANCE OF FORM & POSITION								
SYMBOL	ALL PITCHES							
aaa	0.15							
bbb	0.10							
CCC	0.10							
ddd	0.05							
eee	0.08							
NOTES	1, 2							
REF	11-638							
ISSUE	А							

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TABLE 3

COMMON DIMENSIONS										
	A:	VERY T	HICK	E	3: THIC	K				
SYMBOL	MIN	NOM	MAX	MIN	NOM	MAX	NOTES			
Α	2.00	2.10	2.20	1.75	1.85	1.95				
A1	0	0.02	0,05	0	0.02	0.05				
А3	_	0.50 REF	-	_	0.25 REF	ı				
L1	_	_	0.15	_	_	0.15				
k	0,50	_	_	0.50	_	-				
R	b MIN/2	_	-	ь МІМ/2	_	-				
NOTES			1,	2						
ISSUE			/	4						

TABLE 4

F								
LEAD WIDTH								
b								
е	MIN	NOM	MAX					
2.50	0.50	1.00	2.00					
1.75	0.50	0.80	1,25					
1.25	0.40	0.50	0.60					
NOTES		1, 2						
REF		11-638						
ISSUE		А						

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					i I

TABLE 5

SUMMARY TABLE										
BODY SIZE	LEAD PITCH	LEAD COUNT	VERY THICK	THICK						
5.00 x 5.00	1.25	6	AAAC	BAAC						
6.00 x 5.00	1.25	8	ABAC	BBAC						
6.00 x 6.00	1.25	8	ABBC	BBBC						
9.00 x 9.00	1.25	12	ACCC	BCCC						
9.00 x 9.00	1.75	10	ABBB	BBBB						
	1.25	16	ADDC	BDDC						
10.50 x 10.50	1.75	12	ADDB	BDDB						
	2.50	8	ADDA	BDDA						

TABLE 6

TABLE									
	e = 2.50  mm								
V	ARIATION	ADDA				NOTE			
SYMBOL		BDDA				NOTE			
D B	SC	10.5							
E B	SC	10.5							
	MIN	8.50							
D2	NOM	_							
	MAX	9.50							
	MIN	5.50							
E2	NOM	_							
	MAX	6.50							
	MIN	0.80							
L	NOM	1.00							
	MAX	1.20							
N		8				3			
NOTES		1, 2							
REF		11-638							
ISSUE		А							

JEDEC SOLID STATE PRODUCT OUTLINES	HIGH PROFILE PLASTIC THERMALLY ENHANCED ENLARGED PITCH DUAL FLAT NO LEAD PACKAGE	ISSUE A	DATE SEP 03	MO-245	SHEET 5 OF 7

TABLE 7

	<b>e</b> = 1.75 mm								
VARI <i>A</i>	NOITA	ABBB	ADDB		NATE				
SYMBOL		BBBB	BDDB		NOTE				
D BS	SC )	9.00	10.50						
E BS	SC SC	9.00	10.50						
	MIN	7.00	8.50						
D2	NOM	_	_						
	MAX	8.00	9.50						
	MIN	5.00	5.50						
E2	NOM	_	1						
	MAX	6.00	6.50						
	MIN	0.60	0.80						
L	NOM	0.80	1.00						
	MAX	1.00	1.20						
N		10	12		3				
NOTES		1, 2	1, 2						
REF		11-638	11-638						
ISSUE		Α	Α						

TABLE 8

e = 1.25  mm										
VAR	IATION	AAAC	ABAC	ABBC	ACCC	ADDC	NOTE			
SYMBOL	/	BAAC	BBAC	BBBC	BCCC	BDDC	NOTE			
D BS	SC	5.00	6.00	6.00	9,00	10.5				
E BS	SC	5.00	5.00	6.00	9,00	10.5				
	MIN	3.00	4.00	4.00	7,00	8.50				
D2	NOM		_	_	_	_				
	MAX	4.00	5.00	5.00	8.00	9.50				
	MIN	2.00	2.00	3.00	5,00	5.50				
E2	NOM	1	I	1	1	_				
	MAX	2.40	2.40	3.40	6,00	6,50				
	MIN	0.40	0.40	0.40	0.60	0.80				
L	NOM	0.60	0.60	0.60	0.80	1.00				
	MAX	0.80	0.80	0.80	1,00	1,20				
N		6	8	8	12	16	3			
NOTES		1, 2	1, 2	1, 2	1, 2	1, 2				
REF		11-638	11-638	11-638	11-638	11-638				
ISSUE		Α	А	А	Α	А				

JEDEC SOLID STATE PRODUCT OUTLINES	HIGH PROFILE PLASTIC THERMALLY ENHANCED ENLARGED PITCH DUAL FLAT NO LEAD PACKAGE	ISSUE A	DATE SEP 03	MO-245	SHEET 6 OF 7

## NOTES;

- 1. DIMENSIONS & TOLERANCING CONFIRM TO ASME Y14.5M-1994.
- 2. ALL DIMENSIONS ARE MILLIMETERS. ANGLES ARE IN DEGREES.
- 3. N IS THE MAXIMUM NUMBER OF TERMINALS.



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.



DIMENSION 6 APPLIES TO METALLIZED TERMINAL AND IS MEASURED BETWEEN 0.15 mm AND 0.30 mm FROM TERMINAL TIP. IF THE TERMINAL HAS THE OPTIONAL RADIUS ON THE OTHER END OF THE TERMINAL, THE DIMENSION 6 SHOULD NOT BE MEASURED IN THAT RADIUS AREA.

6. DEPOPULATION IS POSSIBLE IN A SYMMETRICAL FASHION.



SAWN SINGULATION METHOD IS USED.

8. FOR A COMPLETE SET OF DIMENSIONS FOR EACH VARIATION, SEE THE INDIVIDUAL VARIATION AND THE COMMON DIMENSIONS AND TOLERANCE ON PAGES 3 AND 4.



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



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

JEDEC			
SOLID	STATE		
PRODUCT	OUTLINES		