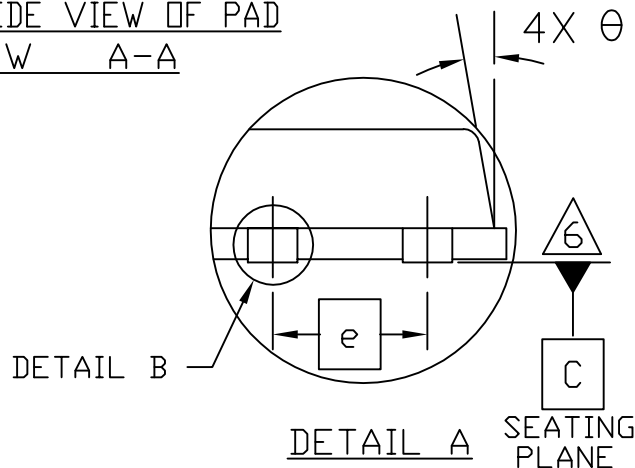
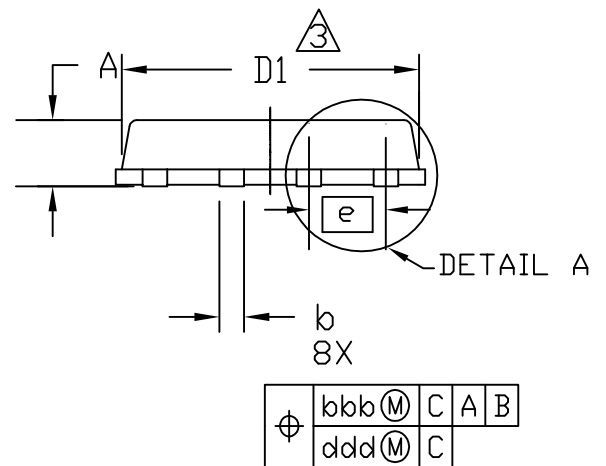
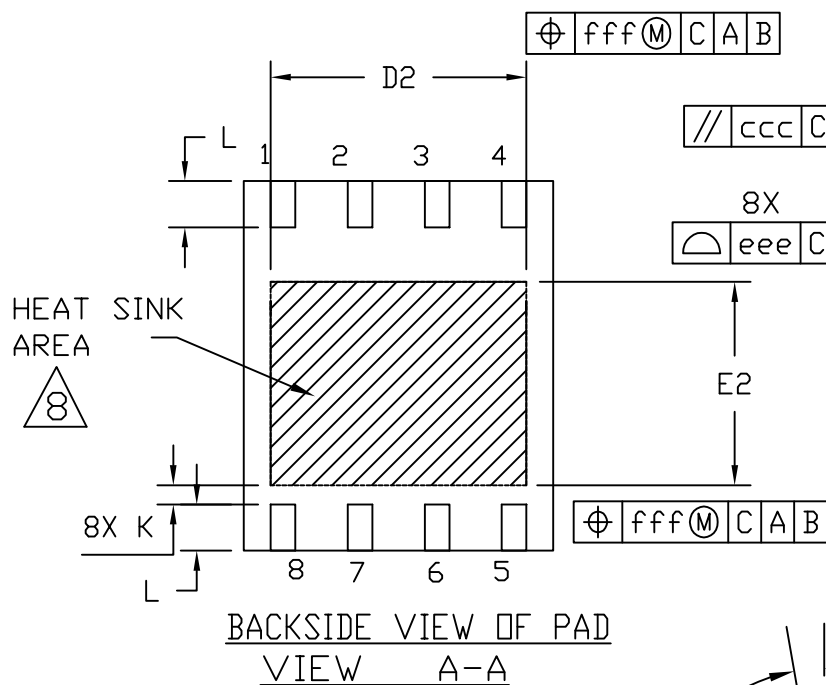
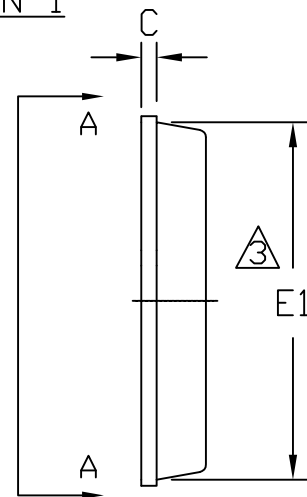
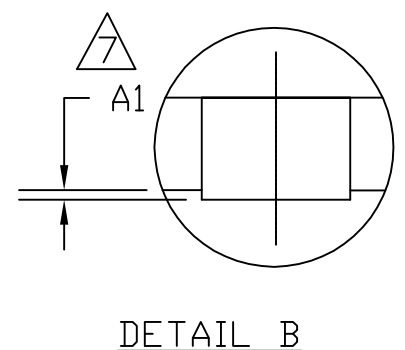


OPTION 1



END VIEW



JEDEC SOLID STATE  
PRODUCT OUTLINE  
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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.

TITLE  
THERMALLY ENHANCED 8 LEAD, 1.27 & 0.65MM  
PITCH, THIN, VERY VERY THIN AND ULTRA THIN  
PLASTIC DUAL FLAT, NO LEAD PACKAGE FAMILY

PACKAGE DESIGNATOR  
H(T,W,U)-PSON

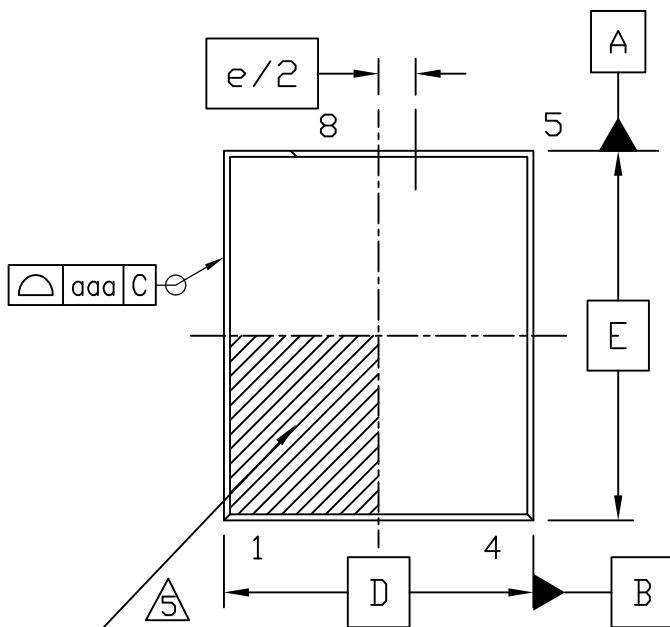
NUMBER  
MO-240

ISSUE  
C

DATE  
AUG 2012

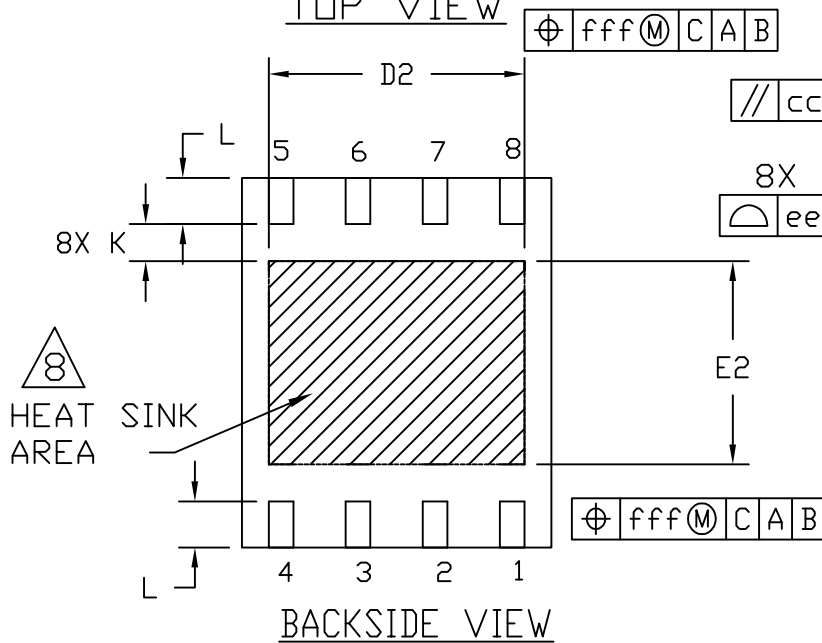
SHEET  
1 OF 5

# OPTION 2



INDEX AREA  
( $D/2 \times E/2$ )

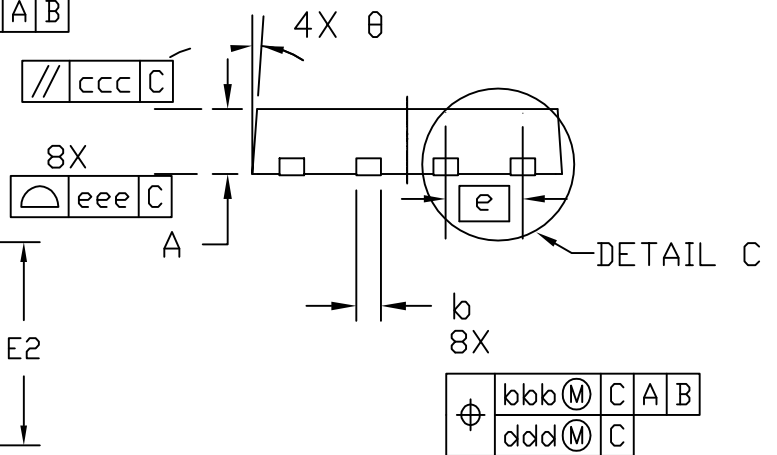
TOP VIEW



HEAT  
AREA

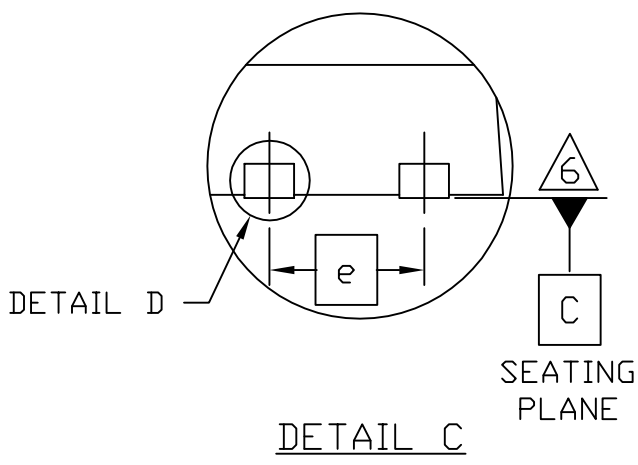
SINK

BACKSIDE VIEW



DETAIL C

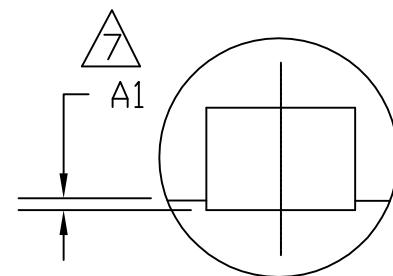
END VIEW



DETAIL D

SEATING  
PLANE

DETAIL C



DETAIL D




# COMMON DIMENSIONS




TABLE 1

TOLERANCE OF FORM AND POSITION	
aaa	0.20
bbb	0.10
ccc	0.10
ddd	0.05
eee	0.10
fff	0.10
NOTES	1,2
REF	11-815
ISSUE	B

## VARIATIONS

TABLE 2

AA				
SYMBOL	MIN	NOM	MAX	NOTES
A	0.90	1.05	1.20	
A1	0.00	–	0.05	
b	0.33	0.41	0.51	
c	0.23	0.28	0.33	
	5.15 BSC			4
D1	4.50	4.90	5.10	3
D2	0.00	–	4.22	8
	6.15 BSC			4
E1	5.50	5.80	6.10	3
E2	0.00	–	4.30	8
	1.27 BSC			
K	0.20	–	–	8
L	0.51	0.61	0.71	
θ	0°	–	12°	
OPTION	1			
REF	10-410			
ISSUE	A			

BA				
SYMBOL	MIN	NOM	MAX	NOTES
A	0.90	1.05	1.20	
A1	0.00	–	0.05	
b	0.23	0.30	0.40	
c	0.23	0.28	0.33	
	3.30 BSC			4
D1	2.70	3.05	3.20	3
D2	0.00	–	2.45	8
	3.30 BSC			4
E1	2.65	2.90	3.20	3
E2	0.00	–	1.90	8
	0.65 BSC			
K	0.20	–	–	8
L	0.30	0.43	0.56	
θ	0°	–	12°	
OPTION	1			
REF	10-410			
ISSUE	A			

# VARIATIONS

TABLE 3

CA				
SYMBOL	MIN	NOM	MAX	NOTES
A	0.70	0.75	0.80	
A1	0.00	–	0.05	
b	0.23	0.30	0.40	
c	0.15	0.20	0.25	
<span style="border: 1px solid black; padding: 0 2px;">D</span>	3.30 BSC			4
D1	2.70	3.05	3.20	3
D2	1.90	2.10	2.30	8
<span style="border: 1px solid black; padding: 0 2px;">E</span>	3.30 BSC			4
E1	2.65	2.90	3.20	3
E2	1.40	1.60	1.80	8
<span style="border: 1px solid black; padding: 0 2px;">e</span>	0.65 BSC			
K	0.20	–	–	8
L	0.30	0.43	0.56	
$\theta$	0°	–	12°	
OPTION	1			
REF	11-815			
ISSUE	B			

TABLE 4

DA				
SYMBOL	MIN	NOM	MAX	NOTES
A	0.45	0.55	0.65	
A1	0.00	–	0.05	
b	0.35	0.40	0.48	
c	–	–	–	
<span style="border: 1px solid black; padding: 0 2px;">D</span>	5.00 BSC			4
D1	–	–	–	
D2	3.80	4.00	4.20	8
<span style="border: 1px solid black; padding: 0 2px;">E</span>	6.00 BSC			4
E1	–	–	–	
E2	3.20	3.40	3.60	8
<span style="border: 1px solid black; padding: 0 2px;">e</span>	1.27 BSC			
K	0.20	–	–	8
L	0.50	0.60	0.75	
$\theta$	0°	–	4°	
OPTION	2			
REF	11-860			
ISSUE	C			

NOTES:

1. DIMENSIONING AND TOLERANCING PER ASME Y14.5-2009.

2. ALL DIMENSIONS IN MILLIMETERS.



DIMENSIONS D1 AND E1 DO NOT INCLUDE MOLD FLASH PROTRUSIONS OR GATE BURRS.



DIMENSIONS D1 AND E1 INCLUDE INTERTERMINAL FLASH OR PROTRUSION. INTERTERMINAL FLASH OR PROTRUSION SHALL NOT EXCEED 0.25 MM PER SIDE.



A VISUAL INDEX FEATURE MUST BE LOCATED WITHIN THE HATCHED AREA.



SEATING PLANE IS DEFINED BY TERMINAL TIPS ONLY.



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



SIZE AND SHAPE OF THE HEAT SINK IS OPTIONAL, BUT THERE SHOULD BE A MINIMUM DISTANCE  $K=0.20$  MM BETWEEN HEAT SINK AND LEADS AND BETWEEN TWO SEPARATE HEAT SINKS. E2 (MAX.) SHOULD NOT EXCEED  $(E-K-2L)$ . LAND PATTERN DESIGN SHOULD REFER TO INDIVIDUAL ACTUAL PACKAGE OUTLINE.

# 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: OCT 2002	ITEM NUMBER: 10-410
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CHANGE RECORD HISTORY:
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ISSUE: B	DATE: OCT 2009	ITEM NUMBER: 11-815
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LOCATION:	CHANGED FROM:	CHANGED TO:
PAGE 1	PACKAGE DESIGNATOR: HL-PDFP-N	PACKAGE DESIGNATOR: HKT,W) - PSON
PAGE 2	NO POSITIONAL TOLERANCE FOR D2 AND E2	ADDED POSITIONAL TOLERANCE BACK
PAGE 4	NO COMMON DIMENSION TABLE	ADDED COMMON DIMENSION TABLE
PAGE 4	VARIATION TABLE AA, BA BASIC DIMENSION NOT SHOWN CORRECTLY	CORRECTED FORMAT OF VARIATION AA AND BA TABLE
PAGE 5	----	ADDED VARIATION CA

ISSUE: C	DATE: AUG 2012	ITEM NUMBER: 11-860
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LOCATION:	CHANGED FROM:	CHANGED TO:
PAGE 1	PACKAGE DESIGNATOR: HKT,W) - PSON	PACKAGE DESIGNATOR: HKT,W,U) - PSON
TITLE	THERMALLY ENHANCED 8 LEAD 1.27 & 0.65MM PITCH LOW PROFILE PLASTIC DUAL FLAT, NO LEAD PACKAGE FAMILY	THERMALLY ENHANCED 8 LEAD 1.27 & 0.65MM PITCH THIN, VERY THIN AND ULTRA THIN PLASTIC DUAL FLAT, NO LEAD PACKAGE FAMILY
PAGE 1	PAGE 1 & 2	COMPILED ON PAGE 1
PAGE 2	1/2 OF INFO NOW ON PAGE 1	ADDED NEW DRAWING FOR SAWN PACKAGE OFFERING
PAGE 3 & 4	----	ADDED FOOTPRINT INFO ROW TO TABLES
PAGE 4	----	ADDED TABLE 4 - WITH 5X6 8 LEAD ULTRA THIN PACKAGE