

JEDEC
SOLID STATE PRODUCT
OUTLINES

THIS REGISTERED OUTLINE HAS BEEN PREPARED BY THE JEDEC JC-11
COMMITTEE AND REFLECTS A PRODUCT WITH ANTICIPATED WIDE USAGE IN THE
ELECTRONICS INDUSTRY; CHANGES ARE LIKELY TO OCCUR.

TITLE: VERY VERY
THIN SMALL OUTLINE
PACKAGE FAMILY, TYPE I

JEDEC 30 Package Designator
WR-PDS01/WSOP1

ISSUE:
A

DATE:
MAR. 2005

MO-259

PAGE:
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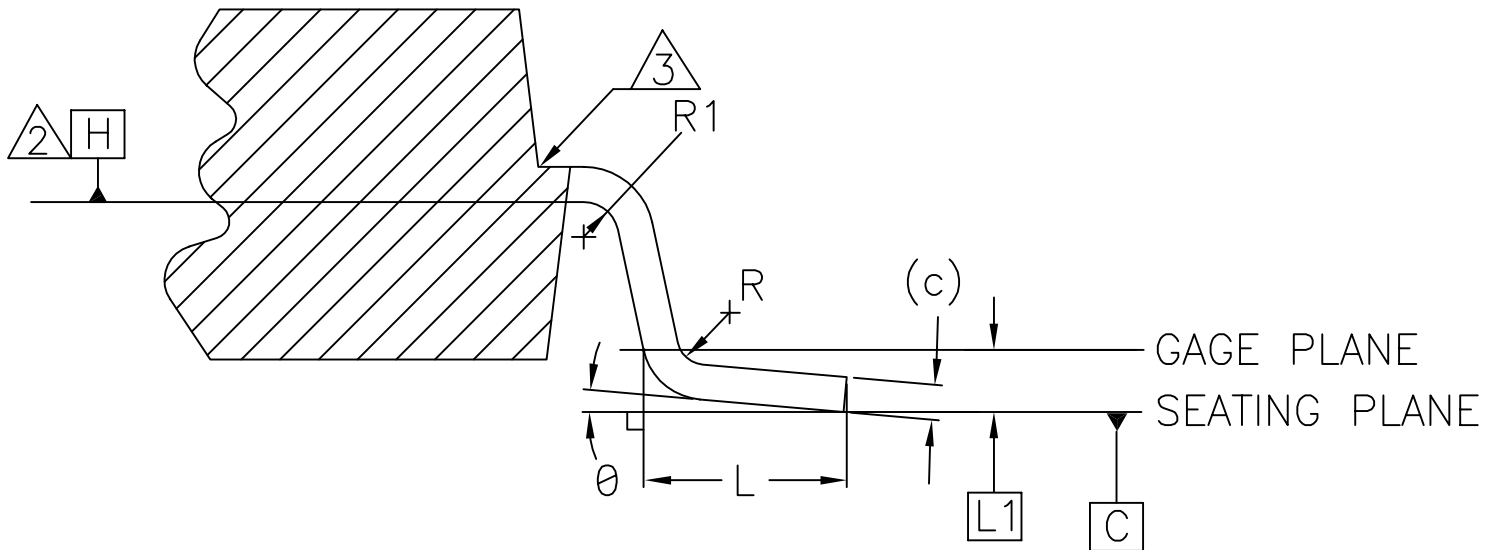
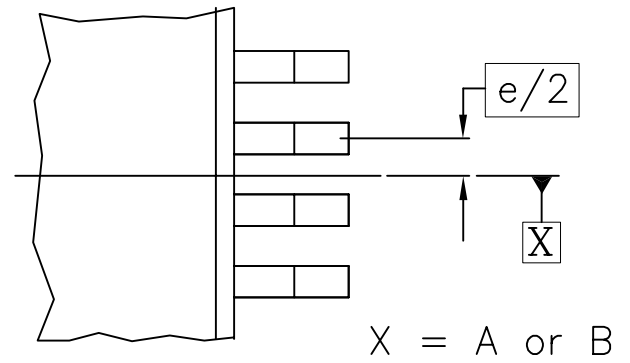
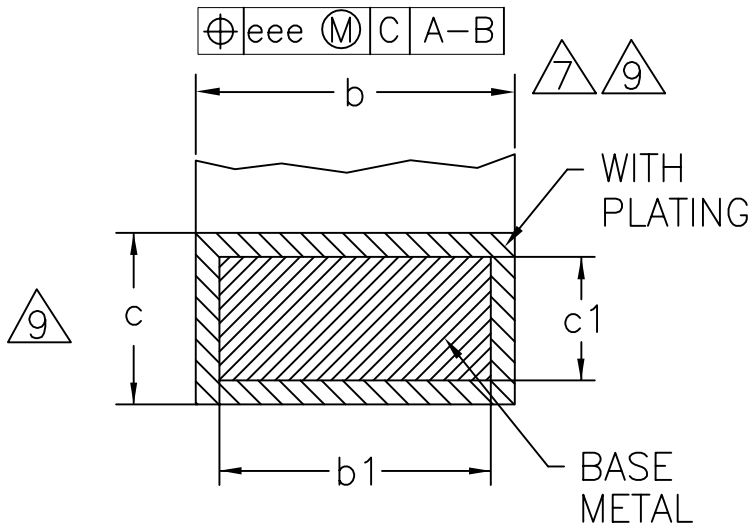


TABLE 1

SYMBOL	COMMON DIMENSIONS MILLIMETERS			NOTES
	MIN	NOM	MAX	
A	—	—	0.70	
A1	0.00	—	0.10	
A2	0.54	0.58	0.62	
b	0.15	—	0.30	7, 9
b1	0.15	0.20	0.25	9
c	0.09	—	0.18	9
c1	0.09	0.127	0.14	9
e	0.50 BASIC			
L	0.40	0.50	0.60	
L1	0.25 BASIC			
R	0.10	—	0.35	
R1	0.10	—	—	
θ	0	5°	8°	
NOTES	1,2			
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TABLE 2

TOLERANCE OF FORM AND POSITION		
SYMBOL	VALUE	NOTE
aaa	0.25	
bbb	0.10	5
ccc	0.20	5
ddd	0.10	
eee	0.08	
NOTES	1,2	
ISSUE	A	
REF	11.11–701	

TABLE 3

VARIATIONS			
ALL DIMENSIONS IN MILIMETER			
SYMBOL	AA	XX	NOTE
D	17.00 BSC	XX.XX BSC	4
D1	15.40 BSC	XX.XX BSC	5
E	12.00 BSC	XX.XX BSC	5
N	48	XX	
NOTES	1,2		
ISSUE	A		
REF	11.11–701		

NOTES:

1. ALL DIMENSIONING AND TOLERANCING CONFORMS TO ASME Y14.5M-1994. ALL DIMENSIONS ARE IN MILLIMETERS.

△2. DATUM PLANE H IS COINCIDENT WITH THE BOTTOM OF THE LEAD WHERE THE LEAD EXITS THE PACKAGE BODY. DATUMS A AND B AND DIMENSIONS D1 AND E ARE TO BE DETERMINED AT DATUM PLANE H.

△3. THIS IS AN OPTIONAL FEATURE.

△4. TO BE DETERMINED AT THE SEATING PLANE C.

△5. PROFILE TOLERANCE ZONES FOR D1 AND E DO NOT INCLUDE MOLD PROTRUSION. ALLOWABLE MOLD PROTRUSION ON E IS 0.15 mm PER SIDE AND ON D1 IS 0.25 mm PER SIDE.

△6. PIN 1 IDENTIFIER MUST BE CONTAINED WITHIN THE ZONE INDICATED. MAX. WIDTH = 1.5 mm; MAX. LENGTH = 1.5 mm. DETAILS OF THE PIN 1 IDENTIFIER IS AT THE USER'S OPTION.

△7. DIMENSION b DOES NOT INCLUDE DAMBAR PROTRUSION. ALLOWABLE DAMBAR PROTRUSION SHALL BE 0.08 mm TOTAL IN EXCESS OF THE b DIMENSION AT MAXIMUM MATERIAL CONDITIONS. DAMBARS CANNOT BE LOCATED ON THE LOWER RADIUS OF THE BEND OR THE FOOT. MINIMUM SPACE BETWEEN PROTRUSION AND AN ADJACENT LEAD TO BE 0.07 mm.

△8. EXACT SHAPE OF EACH CORNER IS OPTIONAL.

△9. THESE DIMENSIONS APPLY TO THE FLAT SECTIONS OF THE LEAD BETWEEN 0.10 mm AND 0.25 mm FROM THE LEAD TIP.

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

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