

THIS TABLE FOR 0.65mm PITCH

COMMON DIMENSIONS									
MIN.		MAX.		VARIATIONS		MIN.		MAX.	
A	0.05	0.10	1.0	AA/AA1	2.50	3.00	3.00	3.00	8
A	0.05	0.09	0.15	AB1/AB1-1	4.50	5.00	5.00	5.00	14
AA	0.05	0.09	0.95	AB/AB1	4.50	5.00	5.00	5.00	14
AB	0.19	0.26	0.50	AB/AB1	4.50	5.00	5.00	5.00	14
B	0.19	0.22	0.25	5	AD/AD1	7.20	7.80	7.80	24
B1	0.19	0.22	0.25	AE/AE1	9.60	9.70	9.80	9.80	28
BB	0.09	0.10	0.20						
C	0.09	0.127	0.16						
C1	0.09	0.127	0.16						
E	4.30	4.40	4.50	3.9					
E	0.60	0.60	0.60	3.9					
E	0.60	0.60	0.60	3.9					
L	0.50	0.60	0.70						
R	0.09	-	-						
R1	0.09	-	-						
N	SEE VARIATIONS	7							
D1	D1-0.10	D1	D1+0.10	13					
E2	E2-0.10	E2	E2+0.10	13					
0	0	0	8						
CS	0.05								
DD	0.20								

THIS TABLE FOR 0.50mm PITCH

COMMON DIMENSIONS									
MIN.		MAX.		VARIATIONS		MIN.		MAX.	
A	0.05	0.10	1.0	BC1/BC1-1	7.70	7.80	7.90	7.90	30
AA	0.05	0.09	0.95	BD1/BD1-1	9.50	9.70	9.80	9.80	34
BB	0.076	0.076	0.27	5					
B	0.17	0.20	0.23						
B1	0.17	0.20	0.23						
BB	0.09	0.09	0.20						
C1	0.09	0.127	0.16						
D	4.30	4.40	4.50	3.9					
E	0.60	0.60	0.60	3.9					
E	0.60	0.60	0.60	3.9					
L	0.50	0.60	0.70						
R	0.09	-	-						
R1	0.09	-	-						
N	SEE VARIATIONS	7							
D1	D1-0.10	D1	D1+0.10	13					
E2	E2-0.10	E2	E2+0.10	13					
0	0	0	8						
CS	0.05								
DD	0.20								

THIS TABLE FOR 0.40mm PITCH

COMMON DIMENSIONS									
MIN.		MAX.		VARIATIONS		MIN.		MAX.	
A	0.05	0.10	1.0	CD/CD1	9.60	9.70	9.80	9.80	48
AA	0.05	0.09	0.95	DE/DE1	11.20	11.30	11.40	11.40	56
BB	0.076	0.076	0.23	5					
B	0.13	0.16	0.19						
B1	0.13	0.16	0.19						
BB	0.09	0.17	0.20						
C1	0.09	0.127	0.16						
D	4.30	4.40	4.50	3.9					
E	0.60	0.60	0.60	3.9					
E	0.60	0.60	0.60	3.9					
L	0.50	0.60	0.70						
R	0.09	-	-						
R1	0.09	-	-						
N	SEE VARIATIONS	7							
D1	D1-0.10	D1	D1+0.10	13					
E2	E2-0.10	E2	E2+0.10	13					
0	0	0	8						
CS	0.05								
DD	0.20								

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NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS (ANGLES IN DEGREES).
2. DIMENSIONING & TOLERANCES PER ASME. Y14.5M-1994.
3. DIMENSION 'D' DOES NOT INCLUDE MOLD FLASH, PROTRUSIONS OR GATE BURRS. MOLD FLASH, PROTRUSIONS OR GATE BURRS SHALL NOT EXCEED 0.15 PER SIDE.
4. DIMENSION 'E1' DOES NOT INCLUDE INTERLEAD FLASH OR PROTRUSION SHALL NOT EXCEED 0.25 PER SIDE.
5. DIMENSION 'b' DOES NOT INCLUDE DAMBAR PROTRUSION. ALLOWABLE DAMBAR PROTRUSIONS SHALL BE 0.07mm TOTAL IN EXCESS OF THE 'b' DIMENSION AT MAXIMUM MATERIAL CONDITION. DAMBAR CANNOT BE LOCATED ON THE LOWER RADIUS OF THE FOOT. MINIMUM SPACE BETWEEN PROTRUSION AND ADJACENT LEAD SHOULD BE 0.08mm FOR 0.65mm PITCH, 0.08mm FOR 0.50mm PITCH AND 0.07mm FOR 0.40mm PITCH PACKAGES.
6. 'N' IS THE MAXIMUM NUMBER OF TERMINAL POSITIONS FOR THE SPECIFIED PACKAGE LENGTH.
7. TERMINAL NUMBERS ARE SHOWN FOR REFERENCE ONLY.
8. DATUMS A AND B TO BE DETERMINED AT DATUM PLANE H.
9. DIMENSIONS 'D' AND 'E1' TO BE DETERMINED AT DATUM PLANE H.
10. THIS DIMENSION APPLIES ONLY TO VARIATIONS WITH AN EVEN NUMBER OF LEADS PER SIDE. FOR VARIATIONS WITH AN ODD NUMBER OF LEADS PER SIDE, THE 'CENTER' LEAD MUST BE COINCIDENT WITH THE PACKAGE CENTERLINE, DATUM A.
11. CROSS SECTION B-B TO BE DETERMINED AT 0.10 TO 0.25mm FROM THE LEAD TIP.
12. THIS PART IS COMPLIANT WITH JEDEC SPECIFICATION MO-153 VARIATIONS AA/AA1, AB1/AB1-1, AB/AB1, AC/AC1, AD/AD1, AE/AE1, MD-194 VARIATION AF/AF1.
13. DIMENSIONS 'D1' AND 'E2' ARE THERMALLY ENHANCED VARIATIONS. END USER SHOULD VERIFY AVAILABLE SIZE OF EXPOSED PAD FOR SPECIFIC DEVICE APPLICATION. 'D1' AND 'E2' DIMENSIONS DO NOT INCLUDE MOLD FLASH. THE LOWEST POINT ON THE PACKAGE BODY.
14. A1 IS DEFINED AS THE VERTICAL CLEARANCE FROM THE SEATING PLANE TO DIE THICKNESS ALLOWABLE. IS 0.279+0.0127.
15. DIE THICKNESS ALLOWABLE. IS 0.406mm.



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PACKAGE OUTLINE:
4.40mm BDDY, TSSOP/ePAD TSSOPSEE PAGE 1
38118
09FORM NO. AMP-JT-Z10M0
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001-0000-3817
7.2
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