

NOTES:

1. ALL DIMENSIONING AND TOLERANCING CONFORM TO ANSI Y14.5-1982.
2. DATUM PLANE $\square\text{---}\square$ LOCATED AT MOLD PARTING LINE AND COINCIDENT WITH LEAD, WHERE LEAD EXITS PLASTIC BODY AT BOTTOM OF PARTING LINE.
3. DATUMS $\square\text{---}\square$ AND $\square\text{---}\square$ TO BE DETERMINED AT CENTERLINE BETWEEN LEADS WHERE LEADS EXIT PLASTIC BODY AT DATUM PLANE $\square\text{---}\square$.
4. TO BE DETERMINED AT SEATING PLANE $\square\text{---}\square$.
5. DIMENSIONS D1 AND E1 DO NOT INCLUDE MOLD PROTRUSION, ALLOWABLE MOLD PROTRUSION IS 0.254 MM ON D1 AND E1 DIMENSIONS.
6. "N" IS THE TOTAL NUMBER OF TERMINALS.
7. THESE DIMENSIONS TO BE DETERMINED AT DATUM PLANE $\square\text{---}\square$.
8. PACKAGE TOP DIMENSIONS ARE SMALLER THAN BOTTOM DIMENSIONS AND TOP OF PACKAGE WILL NOT OVERHANG BOTTOM OF PACKAGE.
9. DIMENSION $\square$ DOES NOT INCLUDE DAMBAR PROTRUSION, ALLOWABLE DAMBAR PROTRUSION SHALL BE 0.08mm TOTAL IN EXCESS OF THE $\square$ DIMENSION AT MAXIMUM MATERIAL CONDITION. DAMBAR CANNOT BE LOCATED ON THE LOWER RADIUS OR THE FOOT.
10. CONTROLLING ALLOWING DIMENSION: MILLIMETER.
11. MAXIMUM ALLOWABLE DIE THICKNESS TO BE ASSEMBLED IN THIS PACKAGE FAMILY IS 0.38 MILLIMETERS.
12. THIS OUTLINE CONFORMS TO JEDEC PUBLICATION 95 REGISTRATION MS-026, VARIATION BEB, BEC, BED, & BEE. A1 IS DEFINED AS THE DISTANCE FROM THE SEATING PLANE TO THE LOWEST POINT OF THE PACKAGE BODY.

JEDEC VARIATION ALL DIMENSIONS IN MILLIMETERS				N P T E
S Y M B O L	MIN. NOM. MAX.			
A	MIN.	NOM.	MAX.	13
A ₁	0.05	0.05	0.15	
A ₂	1.35	1.40	1.45	
D	16.00 BSC.			4
D ₁	14.00 BSC.			7.8
E	16.00 BSC.			4
E ₁	14.00 BSC.			7.8
L	0.45	0.60	0.75	
N	0.44			
N	1.00 BSC.			
e	1.00 BSC.			9
b	0.35	0.42	0.50	
b ₁	0.35	0.40	0.45	
ccc	0.05	0.05	0.10	
ddd	0.05	0.05	0.20	

JEDEC VARIATION				ALL DIMENSIONS IN MILLIMETERS			
SYMBOL	BEB			N	D	T	E
	MIN.	NOM.	MAX.				
A			1.60	13			
A1	0.05		0.15				
A2	1.35	1.40	1.45				
D	16.00 BSC.			4			
D1	14.00 BSC.			7/8			
E	16.00 BSC.			4			
E1	14.00 BSC.			7/8			
L	0.45	0.60	0.75				
N	64						
N							
e	0.80 BSC.			9			
b	0.30	0.37	0.45				
b1	0.30	0.35	0.40				
ccc			0.10				
ddd			0.20				

JEDDEC VARIATION				ALL DIMENSIONS IN MILLIMETERS	
S Y M B O L		BEC		N O T E	
MIN.		NOM.		MAX.	
A	$\sim$	$\sim$	1.60	13	
A1	0.05	$\sim$	0.15		
A2	1.35	1.40	1.45		
D	16.00 BSC.				
D1	14.00 BSC.			7/8	
E	16.00 BSC.			4	
E1	14.00 BSC.			7/8	
L	0.45	0.60	0.75	9	
N	80				
e	0.65 BSC.				
b	0.22	0.32	0.38		
cc1	0.22	0.30	0.33		
ccc	$\sim$	$\sim$	0.10		
ddd	$\sim$	$\sim$	0.13		

*NOTE: THE 44 LEAD IS A COMPLIANT DEPOPULATION
OF THE 52 LEAD MS-026 VARIATION BEA

TITLE		PACKAGE OUTLINE, TOPP, 14 X 14 MM BDDY, 1.00/0.10 MM FORM, 1.40 MM THICK	
SIZE	DRWG. NO.	REV.	
D	32085	16	
SCALE	6/1	SHEET	2 of 3