NOTES:

1. ALL DIMENSIONING AND TOLERANCING CONFORM TO ANSI Y14.5-1982.
2. DATUM PLANE -H- LOCATED AT MOLD PARTING LINE AND COINCIDENT WITH LEAD, WHERE LEAD EXITS PLASTIC BODY AT BOTTOM OF PARTING LINE.
3. DATUMS A-B AND -D- TO BE DETERMINED AT CENTERLINE BETWEEN LEADS WHERE LEADS EXIT PLASTIC BODY AT DATUM PLANE -H- .
4. TO BE DETERMINED AT SEATING PLANE -C- .
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 -H- .
8. PACKAGE TOP DIMENSIONS ARE SMALLER THAN BOTTOM DIMENSIONS AND TOP OF PACKAGE WILL NOT OVERHANG BOTTOM OF PACKAGE.
9. DIMENSION b DOES NOT INCLUDE DAMBAR PROTRUSION. ALLOWABLE DAMBAR PROTRUSION SHALL BE 0.08mm TOTAL IN EXCESS OF THE b DIMENSION AT MAXIMUM MATERIAL CONDITION. DAMBAR CANNOT BE LOCATED ON THE LOWER RADIUS OR THE FOOT.
10. CONTROLLING 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.
13. A1 IS DEFINED AS THE DISTANCE FROM THE SEATING PLANE TO THE LOWEST POINT OF THE PACKAGE BODY.

SYMBOL	JEDEC VARIATION ALL DIMENSIONS IN MILLIMETERS			
				NOTE
	MIN.	NOM.	MAX.	
A			1.60	
A_1	0.05		0.15	13
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		*44		
e		1.00 BSC.		
b	0.35	0.42	0.50	9
b1	0.35	0.40	0.45	
ccc			0.10	
ddd			0.20	

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

SYMBOL	JEDEC VARIATION ALL DIMENSIONS IN MILLIMETERS			
	BEB			NOTE
	MIN.	NOM.	MAX.	
A			1.60	
A_1	0.05		0.15	13
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		64		
e		0.80 BSC.		
b	0.30	0.37	0.45	9
b1	0.30	0.35	0.40	
ccc			0.10	
ddd			0.20	

SYMBOL	JEDEC VARIATION ALL DIMENSIONS IN MILLIMETERS			
	BEC			NOTE
	MIN.	NOM.	MAX.	
A			1.60	
A_1	0.05		0.15	13
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		80		
e		0.65 BSC.		
b	0.22	0.32	0.38	9
b1	0.22	0.30	0.33	
ccc			0.10	
ddd			0.13	

TITLE: PACKAGE OUTLINE, TQFP, 14 X 14 MM BODY, 1.00/0.10 MM FORM, 1.40 MM THICK		
SIZE: D	DWG. NO.: 32085	REV.: 16
SCALE: 6/1		SHEET: 2 of 3