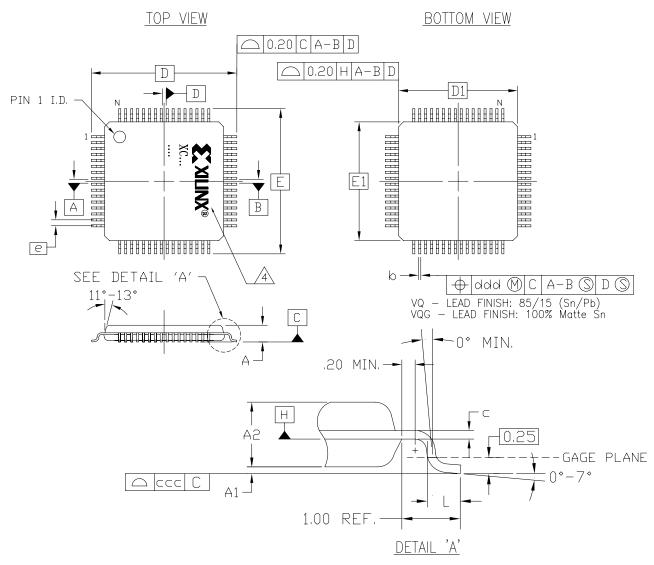
## VQFP (VQ64/VQG64) Package



VQ/VQG44								
SYMBO	MILLIMETERS							
B	MIN.	NDW.	MAX.					
Α	~	~~	1.20					
A <sub>1</sub>	0.05	~~	0.15					
Αz	0.95	1.00	1.05					
D/E	12.00 BSC							
D <sub>1</sub> /E <sub>1</sub>	10.00 BSC							
b	0.30	0.37	0.45					
c	0.09	~~	0.20					
е	0.80 BSC.							
L	0.45	0.60	0.75					
ccc	~	*	0.10					
ddd	~	~~	0.20					
N	44							
REF.	JEDEC MS-026-ACB							

VQ/VQG64				VQ/VQG100			
MILLIMETERS				MILLIMETERS			
MIN.	N□M.	MAX.		MIN.	N□M.	MAX.	
~~	~	1.20		X	~~	1.20	
0.05	0.10	0.15		0.05	0.10	0.15	
0.95	1.00	1.05		0.95	1.00	1.05	
12.00 BSC.				16.00 BSC.			
10.00 BSC.				14.00 BSC.			
0.17	0.22	0.27		0.17	0.22	0.27	
0.09	~~	0.20		0.09	~~	0.20	
0.50 BSC.				0.50 BSC.			
0.45	0.60	0.75		0.45	0.60	0.75	
~	~~	0.08		X	~~	0.08	
~~	~~	0.08		X	*	0.08	
64				100			
JEDEC MS-026-ACD				JEDEC MS-026-AED			

## NOTES:

- ALL DIMENSIONS AND TOLERANCES CONFORM TO ANSI Y14.5M-1994.
- 2. DIMENSIONS "D1" AND "E1" DO NOT INCLUDE MOLD PROTRUSIONS. ALLOWABLE MOLD PROTRUSIONS SHALL NOT EXCEED 0.25mm PER SIDE.
- 3. THE TOP OF THE PACKAGE MAY BE SMALLER THAN THE BOTTOM OF THE PACKAGE BY 0.15mm.
- MARK ORIENTATION WITH RESPECT TO PIN-1 I.D.

  IF 2 OR MORE CIRCLES EXIST ON TOP OF THE
  PACKAGE, USE THE SMALLEST CIRCLE AS PIN-1 I.D.

44, 64, and 100-PIN PLASTIC VERY THIN QFP (VQ44/VQG44, VQ64/VQG64, and VQ100/VQG100)

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