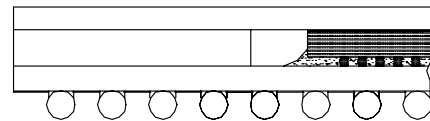


SYMBOL	MILLIMETERS			NOTE
	MIN.	NOM.	MAX.	
A	$\pm$	3.20	3.40	2
A <sub>1</sub>	0.40	0.50	0.60	
A <sub>2</sub>	$\pm$	$\pm$	2.80	
D/E	40.00 BASIC			
D <sub>1</sub> /E <sub>1</sub>	38.00 REF			
e	1.00 BASIC			
$\phi b$	0.50	0.60	0.70	
aaa	$\pm$	$\pm$	0.20	
bbb	$\pm$	$\pm$	0.25	
ddd	$\pm$	$\pm$	0.25	
eee	$\pm$	$\pm$	0.10	
M		39		



SECTION A-A  
(NOT TO SCALE)

NOTES:

1. ALL DIMENSIONS AND TOLERANCES CONFORM TO ASME Y14.5M-1994
2. SYMBOL "M" IS THE PIN MATRIX SIZE.
3. CONFORMS TO JEDEC MS-034-AAU-1 (DEPOPULATED)

## 1517-BALL FLIP CHIP BGA (FF1517)