



SYMBOL	MILLIMETERS			NOTE
	MIN.	NOM.	MAX.	
A	$\text{H}$	3.25	3.50	
A <sub>1</sub>	0.50	0.60	0.70	
A <sub>2</sub>	$\text{H}$	$\text{H}$	2.80	
A <sub>3</sub>	0.20	$\text{H}$	$\text{H}$	
D/E	40.00 BSC			
D <sub>1</sub> /E <sub>1</sub>	38.10 REF.			
e	1.27 BSC			
$\phi_b$	0.60	0.75	0.90	
a.a.a	$\text{H}$	$\text{H}$	0.20	
b.b.b	$\text{H}$	$\text{H}$	0.25	
c.c.c	$\text{H}$	$\text{H}$	0.15	
d.d.d	$\text{H}$	$\text{H}$	0.30	
M	31			

**NOTES:**

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

## 957-BALL FLIP CHIP BGA (BF957)