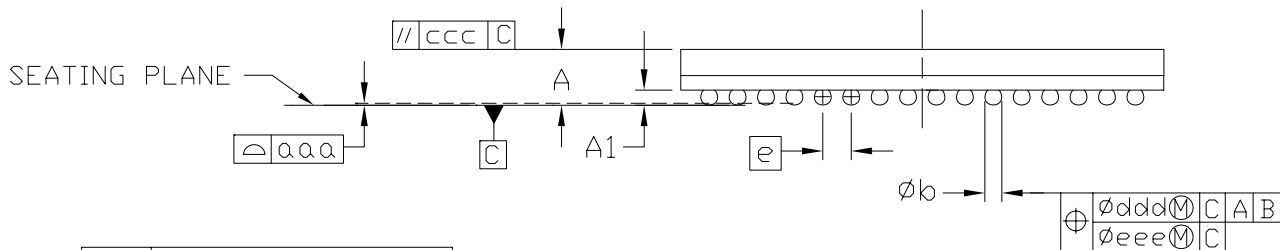
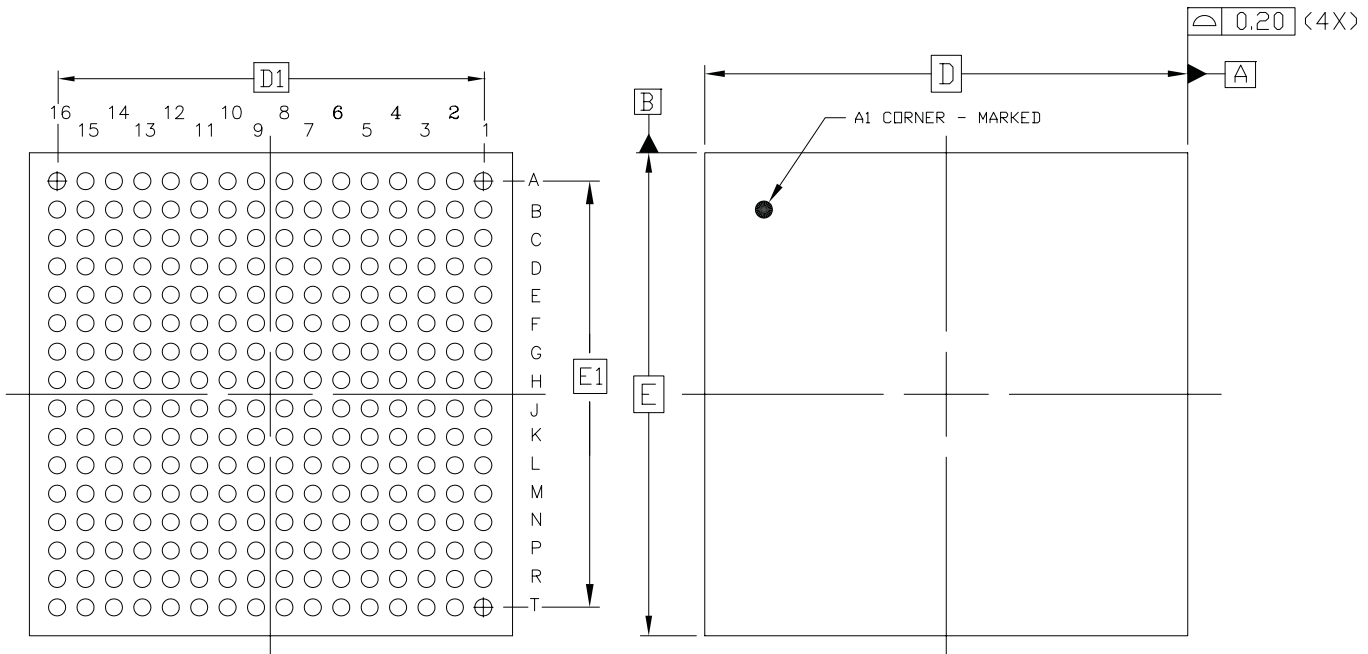


BOTTOM VIEW

TOP VIEW



FT256 - 63/37 (Sn/Pb) SOLDER BALLS
 FTG256 - Sn/4.0Ag/0.5Cu SOLDER BALLS

SYMBOL	MILLIMETERS		
	MIN.	NOM.	MAX.
A	\approx	1.40	1.55
A ₁	0.30	0.40	0.50
D/E	17.00 BSC		
D ₁ /E ₁	15.00 REF		
e	1.00 BSC		
φb	0.40	0.50	0.60
aaa	\approx	\approx	0.20
ccc	\approx	\approx	0.15
ddd	\approx	\approx	0.25
eee	\approx	\approx	0.10
M	16		

NOTES:

1. ALL DIMENSIONS AND TOLERANCES CONFORM TO ASME Y14.5M-1994.
2. SYMBOL 'M' IS THE BALL MATRIX SIZE.
3. CONFORMS TO JEDEC MS-034 AAF-1 EXCEPT FOR THE SOLDER BALL SIZE.

256-BALL FINE-PITCH THIN BGA, 1.00MM PITCH (FT256/FTG256)

Revision History

The following table shows the revision history for this document.

Date	Version	Revision
3/23/05	1.2.1	Update
10/05/07	1.3	Changed the A1 minimum dimension to 0.30mm.