



SYMBOL	MILLIMETERS			NOTE
	MIN.	NOM.	MAX.	
A	1.57	1.67	1.80	2
A ₁	0.30	0.38	0.45	
D/E	19.00 BSC			
D_1/E_1	16.80 BSC			
e	0.80 BSC			
ϕb	0.40	0.50	0.55	
aaa	\sim	\sim	0.20	
ccc	\sim	\sim	0.20	
ddd	\sim	\sim	0.15	
eee	\sim	\sim	0.08	
M	22			

NOTES:

1. ALL DIMENSIONS AND TOLERANCES CONFORM TO ANSI Y14.5M-1994.
2. SYMBOL 'M' IS THE BALL MATRIX SIZE.
3. CONFORMS TO JEDEC MO-275-PPAA-2.

Figure 1: 484-BALL LAMINATE CHIP SCALE BGA, 0.80mm PITCH (CS484/CSG484)

Revision History

The following table shows the revision history for this document.

Date	Version	Revision
4/02/2007	1.0	Initial Xilinx release.
9/12/2018	1.1	Updated Figure 1 . Revised A to add min and nom values. Revised aaa_{MAX} from 0.12 and ccc_{MAX} from 0.10.