

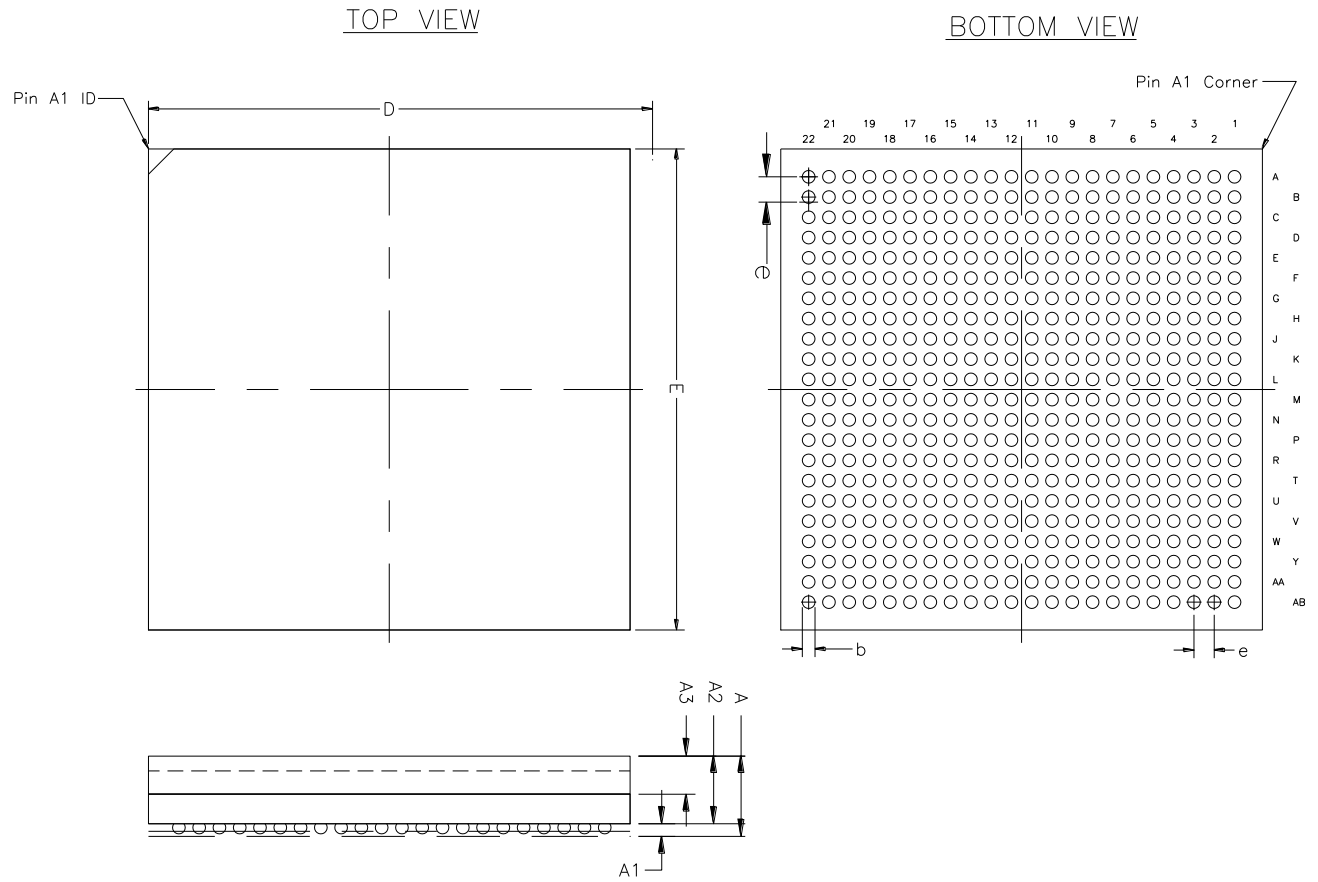
04R-00484-01

484-Pin Ultra FineLine Ball-Grid Array (UBGA) - Flip Chip – Channel Lid - A: 3.25

- All dimensions and tolerances conform to ASME Y14.5M – 1994.
- Controlling dimension is in millimeters.
- Pin A1 may be indicated by an ID dot, or a special feature, in its proximity on package surface.

Package Information	
Description	Specification
Ordering Code Reference	U
Package Acronym	UBGA
Substrate Material	BT
Solder ball composition	Pb-free: Sn:3Ag:0.5Cu (Typ.)
JEDEC Outline Reference	MO-308 Variation: AAG-2
Lead Coplanarity	0.008 inch (0.20 mm)
Weight	3.5 g (Typ.)
Moisture Sensitivity Level	Printed on moisture barrier bag

Package Outline Dimension Table			
Symbol	Millimeters		
	Min.	Nom.	Max.
A	2.85	3.05	3.25
A1	0.35	0.40	0.45
A2	2.40	2.65	2.90
A3	1.45	1.50	1.55
D	19.00 BSC		
E	19.00 BSC		
b	0.45	0.50	0.55
e	0.80 BSC		

Package Outline

Document Revision History

Table 1 shows the revision history for this document.

Table 1. Document Revision History

Date	Version	Changes
November 2014	1.0	Initial Release
August 2016	2.0	Correct typo at Package Information Table at page 1 as below:- a) Ordering Code Reference: from "F" to "U" b) Package Acronym: from "FBGA" to "UBGA"



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